



ANDRÉ CHARETTE

PROFESSOR OF CHEMISTRY

CONTACT

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CANADA

CAREER HIGHLIGHTS

- 54 *h*-index
- 210 publications
- 300 invited talks
- 162 graduates



RESEARCH PROFILE

Research in the Charette group lies primarily in the development of new methods for the stereoselective synthesis of organic compounds and natural products. More particularly, we have devised conceptually novel and practical approaches to the design of catalysts and reactions for the synthesis of cyclopropanes, heterocyclic derivatives and greener functional group transformations, which can find many applications in the pharmaceutical industry.

WORK EXPERIENCE

- 2015-2016 – Laboratoire COBRA, INSA-Rouen, Rouen, France
Holder, Labex Synorg Chair
- 2014-Present – Université de Montréal, Montreal, QC
Chair, Department of Chemistry
- 2014-Present – Université de Montréal, Montreal, QC
Co-director, NSERC CREATE Program in Continuous Flow Science
- 2009-Present – Université de Montréal, Montreal, QC
Co-director, FRQNT Centre in Green Chemistry and Catalysis
- 2005-Present – Université de Montréal, Montreal, QC
Holder, Canada Research Chair in Stereoselective Synthesis of Bioactive Molecules
- 2000-2010 – Université de Montréal, Montreal, QC
Holder NSERC/Merck Frosst/Boehringer Ingelheim Industrial Chair in Stereoselective Drug Synthesis
- 2007-2010 – SoluPhase Inc., Montreal, QC
Chief Scientific Officer
- 1998-Present – Université de Montréal, Montreal, QC
Full Professor
- 1994-1998 – Université de Montréal, Montreal, QC
Associate Professor, NSERC University Research Fellow
- 1992-1994 – Université de Montréal, Montreal, QC
Assistant Professor, NSERC University Research Fellow
- 1989-1992 – Université Laval, Québec City, QC
Assistant Professor, NSERC University Research Fellow

EDUCATION

- 1987-1989 Harvard University, Cambridge, MA
Postdoctoral Appointment (David A. Evans)
- 1985-1987 University of Rochester, Rochester, NY
Ph.D. in Organic Chemistry (Robert K. Boeckman Jr.)
- 1983-1985 University of Rochester, Rochester, NY
M.Sc. in Organic Chemistry (Robert K. Boeckman Jr.)
- 1980-1983 Université de Montréal, Montreal, QC
B.Sc. in Chemistry

HONORS AND AWARDS

- 2015 Labex Synorg Chair, **Université de Rouen**
- 2015 Doctorate Honoris Causa, **INSA-Rouen**
- 2010 Honorary membership, **Israel Chemical Society**
- 2009 Alfred Bader Award, **Canadian Society for Chemistry**
- 2009 Short-Term Invited Fellowship for Research in Japan, **Japan Society for the Promotion of Science**
- 2008 Prix Marie-Victorin, **Government of Québec**
- 2007 Arthur C. Cope Scholar Award, **American Chemical Society**
- 2007 Fellow of the Royal Society of Canada: The Academies of Arts, Humanities and Sciences of Canada
- 2006 Urgel Archambault Award, **Association francophone pour le savoir**
- 2006 R. U. Lemieux Award, **Canadian Society for Chemistry**
- 2003-2005 Enantioselective Synthetic Chemistry Research Grants Program, **Canadian Society for Chemistry**
- 2002 Rutherford Memorial Medal in Chemistry, **Royal Society of Canada**
- 2002 Young Explorers Prize: Canada's Top 20 Researchers <40, **Canadian Institute for Advanced Research**
- 2000-2002 E. W. R. Steacie Memorial Fellowship, **NSERC**
- 1999-2001 Astra Pharma Research Fellowship Program, **Astra Pharma**
- 1998 Fellow, **Chemical Institute of Canada**
- 1998-1999 Academic Development Program Award, **Chemistry Council of Merck Research Laboratories, USA**
- 1998 Merck Frosst Centre for Therapeutic Research Award, **Canadian Society for Chemistry**
- 1996-1998 Alfred P. Sloan Research Fellowship, **Alfred P. Sloan Foundation, USA**
- 1994-1996 Eli Lilly Grantee Award, **Eli Lilly, USA**
- 1991-1993 Young Investigator Award for Organic Chemistry, **BioMega/Boehringer Ingelheim Canada**
- 1992-1997 University Research Fellow, **Université de Montréal, NSERC**
- 1989-1992 University Research Fellow, **Université Laval, NSERC**
- 1987-1989 Postdoctoral Fellow, **Harvard University, NSERC**
- 1983-1987 Sherman Clarke Fellow, **University of Rochester**

REFEREED PUBLICATIONS

2017

213. Lévesque, É.; Bechara, W. S.; Constantineau-Forget, L.; Pelletier, G.; Rachel, N. M.; Pelletier, J. N.; Charette, A. B. General C–H Arylation Strategy for the Synthesis of Tunable Visible Light Emitting High Stokes Shift Benzo[a]imidazo[2,1,5-c,d]indolizine Fluorophores. *J. Org. Chem.* **2017**, *82*, [Accepted](#).
212. Benoit, G.; Charette, A. B. Diastereoselective Borocyclopropanation of Allylic Ethers Using a Boromethylzinc Carbenoid. *J. Am. Chem. Soc.* **2017**, *139*, 1364-1367.
211. Bos, M.; Poisson, T.; Pannecoucke, X.; Charette, A. B.; Jubault, P. Recent Progress Toward the Synthesis of Trifluoromethyl and Difluoromethyl-Substituted Cyclopropanes. *Chem. Eur. J.* **2017**, *23*, [ASAP](#).
▼ [Joint contribution with the Jubault Group \(INSA-Rouen, France\)](#)
210. Lévesque, É.; Laporte, S. T.; Charette, A. B. Continuous Flow Synthesis and Purification of Aryldiazomethanes via Hydrazone Fragmentation. *Angew. Chem., Int. Ed.* **2017**, *56*, 837-841.

2016

209. Ladd, C. L.; Charette, A. B. Access to Cyclopropyl-Fused Azacycles via a Palladium-Catalyzed Direct Alkenylation Strategy. *Org. Lett.* **2016**, *18*, 6046-6049.
▼ [Featured in ACS Editor's Choice as Open Access Article](#)
208. Aspin, S. J.; Taillemaud, S.; Cyr, P.; Charette, A. B. 9-Silafluorenyl Dichlorides as Chemically Ligating Coupling Agents and Their Application in Peptide Synthesis. *Angew. Chem., Int. Ed.* **2016**, *55*, 13833-13837.
▼ [Selected as "Hot Paper" by editorial office](#)

▼ [Work highlighted in ChemViews Magazine \(Noteworthy Article of October 25, 2016\)](#)

207. Régnier, S.; Bechara, W. S.; Charette, A. B. Expedient Synthesis of 3-Aminoimidazo[1,2-a]azines from α -Aminopyridynyl Amides. *J. Org. Chem.* **2016**, *81*, 10348-10356.
▼ [Invited Contribution in the Special Issue on Heterocycles](#)
206. Pons, A.; Poisson, T.; Pannecoucke, X.; Charette, A. B.; Jubault, P. Synthesis and Applications of Fluorocyclopropanes. *Synthesis* **2016**, *48*, 4060-4071.
▼ [Joint contribution with the Jubault Group \(INSA-Rouen, France\)](#)
205. Rullière, P.; Cyr, P.; Charette, A. B. Difluorocarbene Addition to Alkenes and Alkynes in Continuous Flow. *Org. Lett.* **2016**, *18*, 1988-1991.
▼ [Highlighted in ChemInform \(2016, 47, 39-038\) by editorial office](#)
204. Austad, B. C.; Hague, A. B.; White, P.; Peluso, S.; Nair, S. J.; Depew, K. M.; Grogan, M. J.; Charette, A. B.; Yu, L.-C.; Lory, C. D.; Grenier, L.; Lesarbeau, A.; Lane, B. S.; Lombardy, R.; Benhke, M. L.; Koney, N.; Porter, J. R.; Campbell, M. J.; Ferguson, J.; Xiong, J.; Helble, J. C.; Foley, M. A.; Adams, J.; Castro, A. C.; Tremblay, M. R. Development of a Multi Kilogram-Scale, Tandem Cyclopropanation Ring-Expansion Reaction En Route to Hedgehog Antagonist IPI-926. *Org. Process Res. Dev.* **2016**, *20*, 786-798.
▼ [Selected as Synfacts of the Month \(2016, 12, 657\) by editorial office](#)
203. Pons, A.; Ivashkin, P.; Lemonnier, G.; Poisson, T.; Charette, A. B.; Jubault, P.; Pannecoucke, X. Catalytic Enantioselective Synthesis of Halo-Cyclopropanes. *Chem. Eur. J.* **2016**, *22*, 6239-6242.
▼ [Highlighted in Synfacts \(2016, 12, 707\) by editorial office for its important insights](#)
▼ [Joint contribution with the Jubault Group \(INSA-Rouen, France\)](#)
202. Ladd, C. L.; Belouin, A. V.; Charette, A. B. Additive-Free Intramolecular Direct sp^3 Functionalization of Cyclopropyl α -Amino Acid Derivatives. *J. Org. Chem.* **2016**, *81*, 256-264.
▼ [Highlighted in Org. Process Res. Dev. \(2016, 20, 583-593\)](#)
▼ [Highlighted in ChemInform \(2016, 47, 20-160\) by editorial office](#)

_____ 2015 _____

201. Taillemaud, S.; Diercxsens, N.; Gagnon, A.; Charette, A. B. Mechanism-Driven Elaboration of an Enantioselective Bromocyclopropanation Reaction of Allylic Alcohols. *Angew. Chem., Int. Ed.* **2015**, *54*, 14108-14112.
▼ [Selected as Synfacts of the Month \(2015, 11, 1305\) by editorial office](#)
200. Navuluri, C.; Charette, A. B. Diastereoselective Fluorocyclopropanation of Chiral Allylic Alcohols Using an α -Fluoroiodomethylzinc Carbenoid. *Org. Lett.* **2015**, *17*, 4288-4291.
199. Cyr, P.; Régnier, S.; Bechara, W. S.; Charette, A. B. Rapid Access to 3-Aminoindazoles from Tertiary Amides. *Org. Lett.* **2015**, *17*, 3386-3389.
198. Zimbron, J. M.; Dauphinais, M.; Charette, A. B. Noyori-Ikariya Catalyst Supported on Tetraarylphosphonium Salt for Asymmetric Transfer Hydrogenation in Water. *Green Chem.* **2015**, *17*, 3255-3259.
197. Pons, A.; Beucher, H.; Ivashkin, P.; Lemonnier, G.; Poisson, T.; Charette, A. B.; Jubault, P.; Pannecoucke, X. Rhodium-Catalyzed Cyclopropanation of Fluorinated Olefins: A Straightforward Route to Highly Functionalized Fluorocyclopropanes. *Org. Lett.* **2015**, *17*, 1790-1793.
▼ [Work highlighted in Chem. Eng. News \(2015, 93, 37\) by editorial office](#)
▼ [Joint contribution with the Jubault Group \(INSA-Rouen, France\)](#)
196. Bechara, W. S.; Khazhieva, I. S.; Rodriguez, E.; Charette, A. B. One-Pot Synthesis of 3,4,5-Trisubstituted 1,2,4-Triazoles via the Addition of Hydrazides to Activated Secondary Amides. *Org. Lett.* **2015**, *17*, 1184-1187.
195. Sustac Roman, D.; Poiret, V.; Pelletier, G.; Charette, A. B. Transition Metal-Catalyzed Direct C-H Arylation of Imidazo[1,5-a]azines. *Eur. J. Org. Chem.* **2015**, *2015*, 67-71.

_____ 2014 _____

194. Pelletier, G.; Constantineau-Forget, L.; Charette, A. B. Directed Functionalization of 1,2-Dihydropyridines: Stereoselective Synthesis of 2,6-Disubstituted Piperidines. *Chem. Commun.* **2014**, *50*, 6883-6885.
193. Cyr, P.; Charette, A. B. Continuous Flow Hydroxylation of Aryl Iodides Promoted by Copper Tubing. *Synlett* **2014**, 1409-1412.
192. Lévesque, É.; Goudreau, S. R.; Charette, A. B. Improved Zinc-Catalyzed Simmons-Smith Reaction: Access to Various 1,2,3-Trisubstituted Cyclopropanes. *Org. Lett.* **2014**, *16*, 1490-1493.
▼ [Highlighted in *Synfacts* \(2014, 10, 626\) by editorial office](#)

2013

191. Sustac Roman, D.; Charette, A. B. C–H Functionalization of Cyclopropanes: A Practical Approach Employing a Picolinamide Auxiliary. *Org. Lett.* **2013**, *15*, 4394-4397.
▼ [Rated in the Top 20 of most read *Org. Lett.* papers in September 2013](#)
190. Beaulieu, L.-P. B.; Schneider, J. S.; Charette, A. B. Highly Enantioselective Simmons-Smith Fluorocyclopropanation of Allylic Alcohols via the Halogen Scrambling Strategy of Zinc Carbenoids. *J. Am. Chem. Soc.* **2013**, *135*, 7819-7822.
▼ [Highlighted in *Synfacts* \(2013, 9, 876\) by editorial office](#)
189. Pelletier, G.; Charette, A. B. Triflic Anhydride-Mediated Synthesis of Imidazo[1,5-a]azines. *Org. Lett.* **2013**, *15*, 2290-2293.
188. Ladd, C. L.; Sustac Roman, D.; Charette, A. B. Palladium-Catalyzed Ring-Opening of Cyclopropyl Benzamides: Synthesis of Benzo[c]azepine-1-ones via a C(sp³)-H Functionalization. *Tetrahedron* **2013**, *69*, 4479-4487.
▼ [Highlighted in *ChemInform* \(2013, 44, 41-174\) by editorial office](#)
▼ [Invited Contribution in the *Tetrahedron* Symposium-In-Print issue on Metal-Catalyzed C–H Bond Functionalization](#)
187. Ladd, C. L.; Sustac Roman, D.; Charette, A. B. Silver-Promoted, Palladium-Catalyzed Direct Arylation of Cyclopropanes: Facile Access to Spiro 3,3'-Cyclopropyl Oxindoles. *Org. Lett.* **2013**, *15*, 1350-1353.
▼ [Highlighted in *Synfacts* \(2013, 9, 661\) by editorial office](#)
▼ [Highlighted in *ChemInform* \(2013, 44, 30-132\) by editorial office](#)
186. Mousseau, J. J.; Charette, A. B. Direct Functionalization Processes: A Journey from Palladium, to Copper, to Iron, to Nickel, to Metal-Free Coupling Reactions. *Acc. Chem. Res.* **2013**, *46*, 412-427.
▼ [Rated in the Top 5 of most read *Acc. Chem. Res.* papers during November-December 2012](#)
185. Lindsay, V. N. G.; Fiset, D.; Gritsch, P. J.; Azzi, S.; Charette, A. B. Stereoselective Rh₂(IBAZ)₄-Catalyzed Cyclopropanation of Alkenes, Alkynes and Allenes: Asymmetric Synthesis of Di-Acceptor Cyclopropylphosphonates and Alkylidenecyclopropanes. *J. Am. Chem. Soc.* **2013**, *135*, 1463-1470.

2012

184. Beaulieu, L.-P. B.; Zimmer, L. E.; Gagnon, A.; Charette, A. B. Highly Enantioselective Synthesis of 1,2,3-Substituted Cyclopropanes Using α -Iodo- and α -Chloromethylzinc Carbenoids. *Chem. Eur. J.* **2012**, *18*, 14784-14791.
183. Pelletier, G.; Lie, S.; Mousseau, J. J.; Charette, A. B. One-Pot Synthesis of 1-Iodoalkynes and Trisubstituted Alkenes. *Org. Lett.* **2012**, *14*, 5464-5467.
▼ [Rated in the Top 20 of most read *Org. Lett.* papers during November 2012](#)
▼ [Highlighted in *Synfacts* \(2013, 9, 201\) by editorial office](#)
182. Beaulieu, L.-P. B.; Sustac Roman, D.; Vallée, F.; Charette, A. B. Nickel(0)/NaHMDS Adduct-Catalyzed Intramolecular Alkylation of Unactivated Arenes via a Homolytic Aromatic Substitution Mechanism. *Chem. Commun.* **2012**, *48*, 8249-8251.
181. Lemonnier, G.; Charette, A. B. Grob Fragmentation of 2-Azabicyclo[2.2.2]oct-7-ene: A Versatile Tool for the Rapid Stereoselective Synthesis of Polysubstituted Piperidines. *J. Org. Chem.* **2012**, *77*, 5832-5837.

▼ **Rated in the Top 20 of most read *J. Org. Chem.* papers during June 2012**

▼ **Highlighted in *Org. Proc. Res. Dev.* (2012, 16, 1574) by editorial office**

180. Fiset, D.; Charette, A. B. Microwave-Assisted Hydrolysis: Efficient Synthesis of α -Substituted Cysteines on Multi-gram Scale. *RSC Adv.* **2012**, *2*, 5502-5505.
179. Lindsay, V. N. G.; Charette, A. B. Design and Synthesis of Chiral Heteroleptic Rh(II)-Carboxylate Catalysts: Experimental Investigations of the Halogen Bond Rigidification Effects in Asymmetric Cyclopropanation Reactions. *ACS Catal.* **2012**, *2*, 1221-1225.
178. Bull, J. A.; Mousseau, J. J.; Pelletier, G.; Charette, A. B. Synthesis of Pyridine and Dihydropyridine Derivatives by Regio- and Stereoselective Addition to *N*-Activated Pyridines. *Chem. Rev.* **2012**, *112*, 2642-2713.
177. Bechara, W. S.; Pelletier, G.; Charette, A. B. Controlled and Chemoselective Synthesis of Ketones and Ketimines via the Addition of Organometallic Reagents to Secondary Amides. *Nature Chem.* **2012**, *4*, 228-234.
- ▼ **Selected as *Synfacts of the Month* (2012, 8, 541) by editorial office**
- ▼ **Listed in the 50 most read articles in *Nature Chem.* in early 2012**
176. Moreau, B.; Alberico, D.; Lindsay, V. N. G.; Charette, A. B. Catalytic Asymmetric Synthesis of Nitrocyclopropane Carboxylates. *Tetrahedron* **2012**, *68*, 3487-3496.
- ▼ **Invited Contribution in the *Tetrahedron Symposium-In-Print* issue on *New Trends in Enantioselective Catalysis with Copper(I)***

_____ 2011 _____

175. Mousseau, J. J.; Bull, J. A.; Ladd, C. L.; Fortier, A.; Sustac Roman, D.; Charette, A. B. Synthesis of 2- and 2,3-Substituted Pyrazolo[1,5-*a*]pyridines: Scope and Mechanistic Considerations of a Domino Direct Alkynylation and Cyclization of *N*-Iminopyridinium Ylides Using Alkenyl Bromides, Alkenyl Iodides, and Alkynes. *J. Org. Chem.* **2011**, *76*, 8243-8261.
- ▼ **Rated in the Top 20 of most read *J. Org. Chem.* papers during October 2011**
174. Jarvis, S. B. D.; Charette, A. B. Synthesis of Enantiopure Substituted Piperidines via an Aziridinium Ring Expansion. *Org. Lett.* **2011**, *13*, 3830-3833.
- ▼ **Highlighted in *Synfacts* (2011, 10, 1062) by editorial office**
173. Lebel, H.; Davi, M.; Roy, M.-N.; Zeghida, W.; Charette, A. B. Olefination Reactions Using Tetraarylphosphonium (TAP)-Supported Phosphorus Ylides. *Synthesis* **2011**, 2275-2280.
172. Barbe, G.; Fiset, D.; Charette, A. B. Asymmetric Total Synthesis of (+)-Luciduline: Toward a General Approach to Related Lycopodium Alkaloids. *J. Org. Chem.* **2011**, *76*, 5354-5362.
- ▼ **Rated in the Top 5 of most read *JOC* papers during September 2011**
171. Lindsay, V. N. G.; Nicolas, C.; Charette, A. B. Asymmetric Rh(II)-Catalyzed Cyclopropanation of Alkenes with Diaceptor Diazo Compounds: the *p*-Methoxyphenyl Ketone as a General Stereoselectivity Controlling Group. *J. Am. Chem. Soc.* **2011**, *133*, 8972-8981.
170. Sustac Roman, D.; Takahashi, Y.; Charette, A. B. Potassium *tert*-Butoxide Promoted Intramolecular Arylation via a Radical Pathway. *Org. Lett.* **2011**, *13*, 3242-3245.
- ▼ **Quoted as "Breakthrough Discovery" in *Chem. Sci.* (2014, 5, 476) by authors**

_____ 2010 _____

169. Lemonnier, G.; Charette, A. B. Stereoselective Synthesis of 2,3,6-Trisubstituted Tetrahydropyridines via Tf₂O Mediated Grob Fragmentation: Access to Indolizidines (-)-209I and (-)-223J. *J. Org. Chem.* **2010**, *75*, 7465-7467.
- ▼ **Highlighted in *Synfacts* (2011, 2, 129) by editorial office**

168. Mousseau, J. J.; Vallée, F.; Lorion, M. M.; Charette, A. B. Umpolung Direct Arylation Reactions: Facile Process Requiring Only Catalytic Palladium and Sub-Stoichiometric Amount of Silver Salts. *J. Am. Chem. Soc.* **2010**, *132*, 14412-14414.
167. Pelletier, G.; Bechara, W. S.; Charette, A. B. Controlled and Chemoselective Reduction of Secondary Amides. *J. Am. Chem. Soc.* **2010**, *132*, 12817-12819.
▼ **Rated in the Top 20 of most read *J. Am. Chem. Soc.* papers based on a 12-month ratio during 2010-2011**
166. Beaulieu, L.-P. B.; Delvos, L. B.; Charette, A. B. Dual Role of Silanol Groups in Cyclopropanation and Hiyama-Denmark Cross-Coupling Reactions. *Org. Lett.* **2010**, *12*, 1348-1351.
165. Lemire, A.; Charette, A. B. Stereoselective Syntheses of L-Pipecolic Acid and (2*S*,3*S*)-3-Hydroxypipecolic Acid From a Chiral *N*-Imino-2-Phenyl-1,2-Dihydropyridine Intermediate. *J. Org. Chem.* **2010**, *75*, 2077-2080.
164. Bull, J. A.; Mousseau, J. J.; Charette, A. B. Preparation of (*E*)-(2-Iodovinyl)benzene from Benzyl Bromide and Diiodomethane [*E*- β -Styryl Iodide]. *Org. Synth.* **2010**, *87*, 170-177.
163. Goudreau, S. R.; Marcoux, D.; Charette, A. B. Synthesis of Dimethyl 2-Phenylcyclopropane-1,1-Dicarboxylate Using an Iodonium Ylide. *Org. Synth.* **2010**, *87*, 115-125.
▼ **Selected as "Featured Article" by editorial office**
162. Voituriez, A.; Zimmer, L. E.; Charette, A. B. Preparation of a Storable Zinc Carbenoid Species and Its Application in Cyclopropanation, Chain Extension and [2,3]-Sigmatropic Rearrangement Reactions. *J. Org. Chem.* **2010**, *75*, 1244-1250.
▼ **Highlighted in *Synfacts* (2010, 5, 585) by editorial office**
161. Bull, J. A.; Charette, A. B. Intramolecular Simmons-Smith Cyclopropanation. Studies Into the Reactivity of Alkyl-Substituted Zinc Carbenoids, Effect of Directing Groups and Synthesis of Bicyclo[n.1.0]alkanes. *J. Am. Chem. Soc.* **2010**, *132*, 1895-1902.
160. Vallée, F.; Mousseau, J. J.; Charette, A. B. Iron-Catalyzed Direct Arylation: Mild Aryl and Heteroaryl Functionalization. *J. Am. Chem. Soc.* **2010**, *132*, 1514-1516.
▼ **Highlighted in *Synfacts* (2010, 5, 579) by editorial office**
159. Marcoux, D.; Lindsay, V. N. G.; Charette, A. B. Use of Achiral Additives to Increase the Stereoselectivity in Rh(II)-Catalyzed Cyclopropanations. *Chem. Commun.* **2010**, *46*, 910-912.
▼ **Invited contribution in the web-based issue on Selective Catalysis for Organic Synthesis**
158. Vanier, S. F.; Larouche, G.; Wurz, R. P.; Charette, A. B. Formal Synthesis of Belactosin A and Hormaomycin via a Diastereoselective Intramolecular Cyclopropanation of α -Nitro Diazoesters. *Org. Lett.* **2010**, *12*, 672-675.
157. Cérat, P.; Gritsch, P. J.; Goudreau, S. R.; Charette, A. B. Synthesis of Enantioenriched Allenes from 1,1-Cyclopropanediester. *Org. Lett.* **2010**, *12*, 564-567.
▼ **Highlighted in *Synfacts* (2010, 5, 558) by editorial office**
156. Mousseau, J. J.; Fortier, A.; Charette, A. B. Synthesis of 2-Substituted Pyrazolo[1,5-*a*]pyridines Through Cascade Direct Alkenylation/Cyclization Reactions. *Org. Lett.* **2010**, *12*, 516-519.
155. Mousseau, J. J.; Bull, J. A.; Charette, A. B. Copper-Catalyzed Direct Alkenylation of *N*-Iminopyridinium Ylides. *Angew. Chem., Int. Ed.* **2010**, *49*, 1115-1118.
▼ **In memory of Prof. Keith Fagnou**
154. Goudreau, S. R.; Charette, A. B. Defying Ring Strain: New Approaches to Cyclopropanes. *Angew. Chem., Int. Ed.* **2010**, *49*, 486-488.
▼ **Invited contribution as a "Highlight" Paper**

2009

153. Lemire, A.; Côté, A.; Janes, M. K.; Charette, A. B. Synthesis and Application of Diorganozinc Reagents: Beyond Diethylzinc. *Aldrichim. Acta* **2009**, *42*, 71-83.

152. Marcoux, D.; Goudreau, S. R.; Charette, A. B. *trans*-Directing Ability of the Amide Group: Enabling the Enantiocontrol in the Synthesis of 1,1-Dicarboxy Cyclopropanes. Reaction Development, Scope, and Synthetic Applications. *J. Org. Chem.* **2009**, *74*, 8939-8955.
▼ Selected as "Featured Article" by editorial office
151. Lindsay, V. N. G.; Lin, W.; Charette, A. B. Experimental Evidence for the All-Up Reactive Conformation of Chiral Rhodium(III) Carboxylate Catalysts: Enantioselective Synthesis of *cis*-Cyclopropane α -Amino Acids. *J. Am. Chem. Soc.* **2009**, *131*, 16383-16385.
▼ Highlighted in *Synfacts* (2010, 2, 198) by editorial office
150. Roy, M.-N.; Poupon, J.-C.; Charette, A. B. Tetraarylphosphonium Salts as Soluble Supports for Oxidative Catalysts and Reagents. *J. Org. Chem.* **2009**, *74*, 8510-8515.
▼ Selected as "Featured Article" by editorial office
149. Beaulieu, L.-P. B.; Zimmer, L. E.; Charette, A. B. Enantio- and Diastereoselective Iodocyclopropanation of Allylic Alcohols by Using a Substituted Zinc Carbenoid. *Chem. Eur. J.* **2009**, *15*, 11829-11832.
148. Goudreau, S. R.; Charette, A. B. In Situ Generation of Zinc Carbenoids from Diazo Compounds and Zinc Salts: Asymmetric Synthesis of 1,2,3-Substituted Cyclopropanes. *J. Am. Chem. Soc.* **2009**, *131*, 15633-15635.
▼ Highlighted in *Synfacts* (2010, 2, 199) by editorial office
147. Zimmer, L. E.; Charette, A. B. Enantioselective Synthesis of 1,2,3-Trisubstituted Cyclopropanes Using *gem*-Dizinc Reagents. *J. Am. Chem. Soc.* **2009**, *131*, 15624-15626.
▼ Highlighted in *Synfacts* (2010, 2, 199) by editorial office
146. Barbe, G.; Pelletier, G.; Charette, A. B. Intramolecular Pyridine Activation – Dearomatization Reaction: Highly Stereoselective Synthesis of Polysubstituted Indolizidines and Quinolizidines. *Org. Lett.* **2009**, *11*, 3398-3401.
145. Bonnaventure, I.; Charette, A. B. Stereoselective Synthesis of *N*-Heterocycles: Application of the Asymmetric Cu-Catalyzed Addition of Et₂Zn to Functionalized Alkyl and Aryl Imines. *Tetrahedron* **2009**, *65*, 4968-4976.
▼ Invited contribution in the print issue of the *Tetrahedron Young Investigator Award Symposium* featuring Prof. Michael Krische
144. Marcoux, D.; Azzi, S.; Charette, A. B. TfNH₂ as Achiral Hydrogen-Bond Donor Additive to Enhance the Selectivity of a Transition Metal Catalyzed Reaction. Highly Enantio- and Diastereoselective Rhodium-Catalyzed Cyclopropanation of Alkenes Using α -Cyano Diazoacetamide. *J. Am. Chem. Soc.* **2009**, *131*, 6970-6972.
▼ Highlighted in *Synfacts* (2009, 8, 882) by editorial office
143. Goudreau, S. R.; Marcoux, D.; Charette, A. B. General Method for the Synthesis of Phenyliodonium Ylides from Malonate Esters: Easy Access to 1,1-Cyclopropane Diesters. *J. Org. Chem.* **2009**, *74*, 470-473.
- _____ 2008 _____
142. Marcoux, D.; Charette, A. B. Nickel-Catalyzed Synthesis of Phosphonium Salts from Aryl Halides and Triphenylphosphine. *Adv. Synth. Catal.* **2008**, *350*, 2967-2974.
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- Loupy, A.; Tchoubar, B. Salt Effects in Organic and Organometallic Chemistry. *J. Am. Chem. Soc.* **1993**, *115*, 3397.

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- Charette, A. B.; Côté, A. Methods for Preparing Diorganozinc Compounds. Published on November 13, 2008 (WO 2008134890).
- Austad, B.; Behnke, M. L.; Castro, A. C.; Charette, A. B.; Grogan, M. J.; Janardanannair, S.; Lescarbeau, A.; Peluso, S.; Tremblay, M. R. Cyclopamine Analogs. Published on July 10, 2008 (WO2008083248).
- Charette, A. B.; Poupon, J.-C.; Boezio, A. A. Phosphonium Salt Derivatives and Their Use as Solubility Controlling Auxiliaries. Published on October 20, 2005 (WO 2005097812).

INVITED PROFESSORSHIPS

Université Claude Bernard Lyon 1, Lyon, France – **Mar. 2013**

JSPS Fellowship, Japan – **Feb. 2009**

IRCOF-INSA, Université de Rouen, Mont Saint-Aignan, France – **Oct./Nov. 2008**

Université Louis Pasteur, Strasbourg, France – **May 2005**

Université Pierre et Marie Curie, Paris, France – **Apr. 2001**

Beijing Medical University, Beijing, China – **Oct. 2000**

INVITED LECTURES

▼ Total to date: 300

- 2018** 22nd International Conference on Organic Synthesis (ICOS-22), Florence, Italy, **Sep. 16-21.**
- 2017** 46th IUPAC World Chemistry Congress, São Paulo, Brazil, **Jul. 9-14.**
100th Canadian Chemistry Conference and Exhibition, Toronto, ON, **May 28-Jun. 1.**
- 2016** 20th Sigma-Aldrich Symposium, Blankenberge, Belgium, **Dec. 8-9.**
Univ. of Glasgow, Glasgow, Scotland, UK, **Dec. 6.**
Flow Chemistry Congress, Miami, FL, **Nov. 2-3.**
Univ. Wien, Vienna, Austria, **Oct. 28.**
Univ. of Alberta (Ayer Lecturer), Edmonton, AB, **Oct. 3.**
Univ. de Reims, Reims, France, **Jul. 13.**
Univ. de Rouen, Rouen, France, **Jul. 11.**
Univ. de Caen, Caen, France, **Jul. 1.**
13th Anglo-Normand Colloquium on Organic Chemistry (ANORCO 13), Rouen, France, **Apr. 24-27.**
Purdue Univ. (33rd Herbert C. Brown Lectures in Organic Chemistry), West Lafayette, IN, **Apr. 15.**
Journée de printemps, Organic Chemistry Division, French Chemical Society, Orsay, France, **Mar. 22.**
Univ. de Cergy Pontoise, Cergy Pointoise, Neuville-sur-Oise, France, **Feb. 22.**
INSA-Rouen, Rouen, France, **Feb. 19.**
- 2015** Pacifichem, Honolulu, HI, **Dec. 15-20.**
INSA-Rouen, France, **Oct. 9.**
Univ. de Genève, Geneva, Switzerland, **Oct. 1.**
25th International Society of Heterocyclic Chemistry (ISHC) Congress, Santa Barbara, CA, **Aug. 23-28.**
Janssen R&D, Val de Reuil, France, **Jul. 1.**
INSA-Rouen, Rouen, France, **Jun. 30.**
Oril Industrie (Servier), Bolbec, France, **Jun. 29.**
98th Canadian Chemistry Conference and Exhibition, Ottawa, ON, **Jun. 13-17.**
G3 de la francophonie, Univ. libre de Bruxelles, Brussels, Belgium, **May 22.**
Univ. d'Orléans, Orléans, France, **May 20.**
Univ. de Rouen, Rouen, France, **Apr. 3.**
- 2014** Univ. of Toronto, Toronto, ON, **Dec. 4.**
2nd International Symposium on C–H Activation, Rennes, France, **Jun. 30-Jul. 3.**
97th Canadian Chemistry Conference and Exhibition, Vancouver, BC, **Jun. 1-5.**
Univ. du Québec à Montréal (UQAM), Montreal, QC, **Mar. 13.**
Pfizer, Groton, CT, **Jan. 30.**
- 2013** Université de Montréal, Montréal, QC, **Dec. 18.**
ACS North East Regional Meeting (NERM), New Haven, CT, **Oct. 23-26.**
2nd Canada-China Green Chemistry and Catalysis Workshop, McGill Univ., Montreal, QC, **Sep. 5-6.**
Université de Bordeaux 1, Bordeaux, France, **Jun. 26.**
Mini-Symposium on Green Chemistry, Univ. Federal do Paraná, Curitiba, Brazil, **May 15.**
Mini-Symposium on Green Chemistry, Univ. Estadual de Campinas, Campinas, Brazil, **May 13.**
Bayer S.A.S., Lyon, France, **Apr. 4.**
Novartis Pharma AG, Basel, Switzerland, **Mar. 26.**
Univ. Claude Bernard Lyon 1, Lyon, France, **Mar. 14, Mar. 21, Mar. 28.**
Univ. d'Orléans, Orléans, France, **Mar. 19.**
Univ. de Rouen, Rouen, France, **Mar. 18.**
Aix Marseille Univ., Marseille, France, **Mar. 15.**
- 2012** Univ. Geneva, Geneva, Switzerland, **Dec. 14.**
École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland, **Dec. 13.**
Gilead Sciences, Foster City, CA, **Oct. 11.**

Theravance, South San Francisco, CA, **Oct. 10.**
Groupe d'Études en Chimie Organique (GECO-53), Sévrier, France, **Aug. 26-31.**
Balticum Organicum Syntheticum 2012 (BOS-2012), Tallinn, Estonia, **Jul. 1-4.**
Cegep Bois-de-Boulogne, Montreal, QC, **Feb. 3.**

- 2011** Alphora Research, Mississauga, ON, **Nov. 11.**
60th Gordon Research Conference on Natural Products, Bryant Univ., Smithfield, RI, **Jul. 24-29.**
Lundbeck Research USA Inc., Paramus, NJ, **Jun. 16.**
94th Canadian Chemistry Conference and Exhibition, Montreal, QC, **Jun. 5-9.**
Collège Ahunstic, Montreal, QC, **Mar. 31.**
Queen's Univ., Kingston, ON, **Feb. 9.**
- 2010** Pacifichem, Honolulu, HI, **Dec. 15-20.**
Galderma R&D, Sofia-Antipolis, Biot, France, **Nov. 19.**
Johnson & Johnson PRD, San Diego, CA, **Oct. 21.**
First China Canada Bilateral Symposium on Catalysis, Kunming, China, **Oct. 7-11.**
Massachusetts Institute of Technology (Bristol-Myers Squibb Lecturer), Cambridge, MA, **Mar. 25.**
239th ACS Meeting, San Francisco, CA, **Mar. 21-24.**
Schulich Symposium on New Concepts in Organic Synthesis, Haifa, Israel, **Jan. 24.**
Tel Aviv Univ., Tel Aviv, Israel, **Jan. 20.**
Weizmann Institute of Science, Rehovot, Israel, **Jan. 19.**
Technion-Israel Institute of Technology, Haifa, Israel, **Jan. 18.**
- 2009** Sepracor, Marlborough, MA, **Sep. 28.**
Univ. of Waterloo, Waterloo, ON, **Aug. 20.**
OMCOS-15, Glasgow, Scotland, UK, **Jul. 26-30.**
Univ. de Sherbrooke, Sherbrooke, QC, **Jul. 6.**
92nd Canadian Chemistry Conference and Exhibition, Hamilton, ON, **May 30-Jun. 3.**
Merck, Rahway, NJ, **May 27.**
Modern Synthetic Methods & Chiral USA Conference, Chicago, IL, **May 11-13.**
Univ. of Victoria, Victoria, BC, **Mar. 26.**
Simon Fraser Univ., Burnaby, BC, **Mar. 25.**
Univ. of British Columbia, Vancouver, BC, **Mar. 24.**
Pittcon Conference & Expo, Chicago, IL, **Mar. 8-13.**
Univ. of Tokyo, Tokyo, Japan, **Feb. 13.**
Tokyo Institute of Technology, Tokyo, Japan, **Feb. 12.**
Hokkaido Univ., Hokkaido, Japan, **Feb. 9.**
Kumamoto Univ., Kumamoto, Japan, **Feb. 6.**
Kyushu Univ., Kyushu, Japan, **Feb. 5.**
Osaka Univ., Osaka, Japan, **Feb. 4.**
Kyoto Univ. (Katsura Campus), Kyoto, Japan, **Feb. 3.**
Kyoto Univ., Kyoto, Japan, **Feb. 2.**
- 2008** Univ. de Rennes, Rennes, France, **Dec. 5.**
Institut de recherche Servier, Suresnes, France, **Dec. 4.**
IRCOF-INSA de Rouen, Mont Saint-Aignan, France, **Nov. 28, Dec. 3**
Boston Univ., Boston, MA, **Nov. 3.**
ACS ProSpectives Conference, Philadelphia, PA, **Oct. 26-28.**
Univ. München, Munich, Germany, **Oct. 21.**
Univ. de Caen, Caen, France, **Oct. 17.**
Janssen-Cilag, Val-de-Reuil, France, **Oct. 16.**
Univ. Pierre et Marie Curie, Paris VI, Paris, France, **Oct. 13.**
IRCOF-INSA de Rouen, Mont Saint-Aignan, France, **Oct. 9-10.**
Pfizer, Groton, CT, **Oct. 1.**

- Indiana Univ.-Purdue Univ. Indianapolis, Indianapolis, IN, **Sep. 24.**
20th International Symposium on Chirality (ISCD-20), Geneva, Switzerland, **Jul. 6-9.**
ACS North East Regional Meeting (NERM), Burlington, VT, **Jun. 29-Jul. 2.**
GlaxoSmithKline, Verona, Italy, **Jun. 16.**
Amgen, Cambridge, MA, **Jun. 6.**
91st Canadian Chemistry Conference and Exhibition, Edmonton, AB, **May 24-28.**
9th Organic Workshop for Leading Young Canadian Chemists, Hinton, AB, **May 21-24.**
Hoffmann-La Roche, Nutley, NJ, **May 15.**
- 2007** Xenon Pharmaceuticals, Burnaby, BC, **Oct. 23.**
First International Conference on SFC, Pittsburgh, PA, **Sep. 23-25.**
234th ACS Meeting, Boston, MA, **Aug. 19-23.**
OMCOS-14, Nara, Japan, **Aug. 2-6.**
AstraZeneca R&D Montréal, St-Laurent, QC, **Jun. 20.**
Synthesis Day, Ottawa, ON, **Jun. 18.**
Bristol-Myers Squibb, New Brunswick, NJ, **Jun. 14.**
8th Symposium on Carbanion Chemistry, Univ. Wisconsin, Madison, WI, **Jun. 6-10.**
90th Canadian Chemistry Conference and Exhibition, Winnipeg, MB, **May 26-30.**
Amgen, Thousand Oaks, CA, **May 11.**
Univ. of California-Santa Barbara, CA, **May 10.**
Univ. of Toronto, ON, **Feb. 21.**
GlaxoSmithKline, King of Prussia, PA, **Jan. 12.**
- 2006** Univ. Laval, Quebec City, QC, **Dec. 15.**
Merck & Co., West Point, PA, **Nov. 7.**
Univ. of Saskatchewan, Saskatoon, SK, **Oct. 3.**
Genentech, San Francisco, CA, **Sep. 15.**
Gordon Research Conference on Stereochemistry, Salve Regina College, Newport, RI, **Jun. 18-23.**
89th Canadian Chemistry Conference and Exhibition, Halifax, NS, **May 27-31.**
74^e Congrès de l'ACFAS, Montreal, QC, **May 15-19.**
Univ. of Rochester (Kende Distinguished Lectures), Rochester, NY, **Feb. 27-Mar. 2.**
- 2005** Pacifichem, Honolulu, HI, **Dec. 15-20.**
University College London, London, United Kingdom, **Dec. 6.**
Univ. of Cambridge, Cambridge, United Kingdom, **Dec. 5.**
GlaxoSmithKline (Stevenage, Harlow, Tonbridge research sites), United Kingdom, **Dec. 1-2.**
McGill Univ., Montreal, QC, **Nov. 29.**
Univ. Reims, Reims, France, **Oct. 28.**
Univ. Nancy, Nancy, France, **Oct. 26.**
Univ. Strasbourg, Strasbourg, France, **Oct. 21.**
Univ. Mulhouse, Mulhouse, France, **Oct. 20.**
IRCOF-INSA de Rouen, Mont-Saint-Aignan, France, **Oct. 18.**
Merck Symposium, UC Irvine, CA, **Sep. 17.**
230th ACS National Meeting, Washington, DC, **Aug. 28-Sep. 1.**
Gilead Sciences, Foster City, CA, **Jun. 16.**
88th Canadian Chemistry Conference and Exhibition, Saskatoon, SK, **May 28-Jun. 1.**
Infinity Pharmaceuticals, Cambridge, MA, **Apr. 25.**
Boston College, Boston, MA, **Apr. 5.**
Univ. at Buffalo (State Univ. of New York), Buffalo, NY, **Jan. 26.**
Univ. of Pennsylvania, Philadelphia, PA, **Jan. 24.**
- 2004** Dalhousie Univ., Halifax, NS, **Dec. 3.**
Boehringer Ingelheim Pharma GmbH, Biberach, Germany, **Nov. 22.**
Univ. Strasbourg, Strasbourg, **Nov. 19.**
Univ. Basel, Basel, Switzerland, **Nov. 17.**

Georg-August-Univ. Göttingen, Göttingen, Germany, **Nov. 14.**
ACS North East Regional Meeting (NERM), Rochester, NY, **Nov. 1-2.**
3rd International Boehringer Ingelheim Chemistry Meeting, Mont-Tremblant, QC, **Oct. 18-20.**
Univ. of Alberta, Edmonton, AB, **Sep. 27.**
26th Gulf Coast Conference, Pensacola, FL, **Sep. 9-11.**
IUPAC 15th International Conference on Organic Synthesis (ICOS-15), Nagoya, Japan, **Aug. 1-6.**
Univ. of Tokyo, Tokyo, Japan, **Jul. 8.**
Osaka Prefecture Univ., Osaka, Japan, **Jul. 7.**
Nara Institute of Science and Technology (NAIST), Nara, Japan, **Jul. 6.**
ISIS 2004, Hyogo, Japan, **Jul. 4-5.**
Univ. of Calgary, Calgary, AB, **Jun. 29.**
Boehringer Ingelheim Pharma, Biberach, Germany, **Jun. 15.**
French-American Chemical Society Symposium (FACS X), Charleston, SC, **Jun. 6-10.**
North Jersey ACS Spring Symposium, Rutgers Univ., New Brunswick, NJ, **May 27.**
Univ. of Illinois at Urbana-Champaign (Bristol-Myers Squibb Lecturer), Urbana, IL, **Apr. 22.**
California Institute of Technology, Pasadena, CA, **Mar. 3.**
Johnson & Johnson Pharmaceuticals, Raritan, NJ, **Feb. 6.**

2003 Queen's Univ., Kingston, ON, **Nov. 28.**

Utrecht Univ., Utrecht, The Netherlands, **Oct. 23-24.**

Paul Walden 3rd Symposium on Organic Chemistry, Riga, Latvia, **Oct. 13-14.**

Gordon Conference on Organic Reactions & Processes, Bristol, RI, **Jul. 20-25.**

Serono Reproductive Biology Institute, Rockland, MA, **Jun. 10.**

2002 COST D12 Workshop, Arcachon, France, **Sep. 25-30.**

Prestigious Novartis Chemistry Lectureships in Europe (Horsham, Vienna, Basel), **Sep. 20-25.**

Boehringer Ingelheim, Vienna, Austria, **Aug. 23.**

Syngenta, Basel, Switzerland, **Aug. 22.**

Schering-Plough Research Institute, Kenilworth, NJ, **Jun. 20.**

Gordon Conference on Stereochemistry, Salve Regina Univ., Newport, RI, **Jun. 9-14.**

AnorMED, Langley, BC, **Jun. 6.**

85th Canadian Chemistry Conference and Exhibition, Vancouver, BC, **Jun. 1-6.**

223rd ACS National Meeting, Orlando, FL, **Apr. 7-11.**

Univ. de Nice Sophia Antipolis, Nice, France, **Apr. 4-5.**

Sepracor/IBC 3rd International Symposium on New Synthetic Methods, Naples, FL, **Mar. 11-13.**

ETH Hönggerberg, Zurich, Switzerland, **Jan. 30.**

Univ. Tübingen, Germany, **Jan. 22.**

Univ. Stuttgart, Germany, **Jan. 21.**

2001 Forum Innovation, ADRIQ, Montreal, QC, **Nov. 22.**

Univ. of Ottawa, ON, **Nov. 16.**

Merck, Rahway, NJ, **Nov. 7.**

DSM Research, Geleen, The Netherlands, **Sep. 11.**

GECO 42, Batz-sur-Mer, France, **Sep. 2-7.**

9th Brazilian Meeting on Organic Synthesis, Curitiba, Brazil, **Aug. 20-24.**

Aventis, Bridgewater, NJ, **Jun. 20.**

École Polytechnique, Palaiseau, France, **Apr. 27.**

Ludwig Maximilians Univ., Munich, Germany, **Apr. 23.**

ICSN, Gif-sur-Yvette, France, **Apr. 5.**

Univ. d'Orsay, France, **Apr. 3.**

Univ. Pierre et Marie Curie, Paris VI, Paris, France, **Apr. 2.**

Colorado State Univ. (Roche Lecturer), Fort Collins, CO, **Mar. 19.**

Roche, Nutley, NJ, **Feb. 8.**

Univ. of Victoria (Merck Frosst Lecturer), Victoria, BC, **Jan. 18.**

- 2000** Pacifichem, Honolulu, HI, **Dec. 14-19.**
Wyeth-Ayerst, Pearl River, NY, **Nov. 10.**
Medical Univ. of Beijing, China, **Oct. 16-26.**
Boehringer Ingelheim Pharma, Biberach, Germany, **Sep. 26.**
Miscellaneous Plenary Lectures in Switzerland (5), **Sep. 17-22.**
AstraZeneca R&D Montréal, St-Laurent, QC, **Aug. 2.**
Boehringer Ingelheim, Ridgefield, CT, **Jul. 25.**
Boehringer Ingelheim, Laval, QC, **Jun. 13.**
83rd Canadian Chemistry Conference and Exhibition, Calgary, AB, **May 27-31.**
Ohio State Univ. (Hoechst Marion Roussel Lecturer), Columbus, OH, **May 25.**
National Natural Science Foundation of China, Beijing, China, **May 11-22.**
35th Euchem Conference on Stereochemistry, Bürgenstock, Switzerland, **Apr. 29-May 5.**
Pharmacia-Upjohn, Kalamazoo, MI, **Apr. 2.**
Univ. of Minnesota, Rochester, MN, **Mar. 24.**
Univ. of North Dakota, Grand Forks, ND, **Mar. 23.**
Montana State Univ., Bozeman, MT, **Mar. 10.**
- 1999** Merck, West Point, PA, **Nov. 18.**
Yale Univ., New Haven, CT, **Nov. 17.**
McGill Univ., Montreal, QC, **Nov. 5.**
Univ. of Rochester, Rochester, NY, **Oct. 22.**
Emory Univ., Atlanta, GA, **Oct. 20.**
Purdue Univ., West Lafayette, IN, **Oct. 5.**
Indiana Univ., Bloomington, IN, **Oct. 4.**
BP Amoco Chemicals, Suburry, England, **Jul. 1.**
Bio-Méga/BIR, Laval, QC, **Jun. 17.**
82nd Canadian Chemistry Conference and Exhibition, Toronto, ON, **Jun. 2.**
BP Amoco Chemicals, Chicago, IL, **May 20.**
67^e Congrès de l'ACFAS, Ottawa, ON, **May 10.**
SISOUM, Univ. de Montréal, Montreal, QC, **Apr. 15.**
Sepracor, Marlborough, MA, **Mar. 29.**
Tanabe Research Laboratories, San Diego, CA, **Mar. 5.**
- 1998** Harvard Univ., Cambridge, MA, **Nov. 30.**
York Univ., North York, ON, **Nov. 19.**
8th Symposium on the Latest Trends in Organic Synthesis, Gainesville, FL, **Oct. 28-Nov. 1.**
Univ. of Toronto, Toronto, ON, **Sep. 18.**
Univ. Louis Pasteur, Strasbourg, France, **Sep. 11.**
Belgium Organic Synthesis Symposium, Louvain-la-Neuve, Belgium, **Jul. 5-8.**
81st Canadian Chemistry Conference and Exhibition, Whistler, BC, **May 31-Jun. 4.**
Syntex/Roche Symposium in Organic Synthesis, Colorado Univ., Boulder, CO, **May 20.**
66^e Congrès de l'ACFAS, Quebec City, QC, **May 12.**
Bio-Méga/BIR, Laval, QC, **May 5.**
Bristol-Myers Squibb, Princeton, NJ, **Mar. 16.**
Univ. of California, Irvine, CA, **Mar. 4.**
Ligand Pharmaceuticals, San Diego, CA, **Mar. 3.**
Merck Frosst, Kirkland, QC, **Jan. 26.**
7th IUPAC Symposium on the Chemistry of Natural Products, Karachi, Pakistan, **Dec. 28-Jan. 2.**
- 1997** Entretiens Jacques Cartier, Lyon, France, **Dec. 8-11.**
Univ. de Namur, Namur, Belgium, **Dec. 5.**
Univ. Libre de Bruxelles, Bruxelles, Belgium, **Dec. 4.**
École Polytechnique, Palaiseau, France, **Dec. 3.**
Société Française de Chimie, Paris, France, **Dec. 2.**

- 5th Chemical Congress of North America, Cancùn, Mexico, **Nov. 11-15**.
Boehringer Ingelheim, Ridgefield, CT, **Sep. 18**.
80th Canadian Chemistry Conference and Exhibition, Waterloo, ON, **Jun. 8**.
Univ. Pierre et Marie Curie, Paris, France, **May 20**.
Miscellaneous Lectures in Switzerland (Lausanne, Geneva, Fribourg, Neuchâtel), **May 2-12**.
Merck, Rahway, NJ, **Apr. 24**.
- 1996** Rohm & Haas, Spring House, PA, **Dec. 5**.
Simon Fraser Univ., Burnaby, BC, **Oct. 23**.
Pfizer, Groton, CT, **Oct. 11**.
Gordon Research Conference on Heterocycles, Holderness, NH, **Jul. 7-12**.
Dartmouth College, Hanover, NH, **May 29**.
64^e Congrès de l'ACFAS, Montreal, QC, **May 13-17**.
Abbott Symposium on Asymmetric Synthesis, Chicago, IL, **Apr. 29**.
Eli Lilly Symposium, Indianapolis, IN, **Mar. 4-5**.
- 1995** Pacifichem, Honolulu, HI, **Dec. 17-22**.
Gordon Research Conference on Natural Products, New England College, Henniker, NH, **Jul. 2-8**.
78th Canadian Chemistry Conference and Exhibition, Waterloo, ON, **Jun. 12**.
McGill Univ., Montreal, QC, **Jan. 10**.
- 1994** Univ. of Alberta, Edmonton, AB, **Nov. 28**.
Univ. of Victoria, Victoria, BC, **Nov. 27**.
Univ. of British Columbia, Vancouver, BC, **Nov. 25**.
École Polytechnique, Palaiseau, France, **Jun. 30**.
ICSN, Gif-sur-Yvette, France, **Jun. 28**.
Eli Lilly, Indianapolis, IN, **Jun. 20**.
Univ. of Rochester, NY, **Mar. 25**.
Sandoz Research Institute, East Hanover, NJ, **Feb. 7**.
- 1993** Univ. of Toronto, Toronto, ON, **Nov. 22**.
Gordon Research Conference on Organic Reactions & Processes, New Hampton, NH, **Jul. 12-16**.
24th NSF Workshop on Organic Synthesis, Aspen, CO, **Jun. 20-24**.
76th Canadian Chemistry Conference and Exhibition, Sherbrooke, QC, **May 31**.
205th ACS National Meeting, Denver, CO, **Apr. 1**.
Univ. of Western Ontario, London, ON, **Jan. 27**.
- 1992** 9th IUPAC Symposium on Organic Synthesis, Montreal, QC, **Jul. 1**.
6 invitations before 1992 (not as independent investigator).

CONFERENCE PROCEEDINGS

2017

- 359.** Benoit, G.; Rullière, P.; Charette, A. B. TBA. Presented at the 100th Canadian Chemistry Conference and Exhibition, Toronto, ON, May 28-Jun. 1, 2017; **Poster**.
- 358.** Sayes, M.; Charette, A. B. Hydrosilanes as Coupling Reagents for Amide Bond Formation. Presented at the 100th Canadian Chemistry Conference and Exhibition, Toronto, ON, May 28-Jun. 1, 2017; **Poster**.
- 357.** Siddiqui, S. H.; Navuluri, C.; Charette, A. B. A Mild and Non-Oxidative Work-Up for the Dioxaborolane-Mediated Enantioselective Cyclopropanation with Enhanced Functional Group Compatibility. Presented at the 100th Canadian Chemistry Conference and Exhibition, Toronto, ON, May 28-Jun. 1, 2017; **Poster**.
- 356.** Benoit, G.; Charette, A. B. Diastereoselective Borocyclopropanation of Allylic Ethers Using a Bromomethylzinc Carbenoid. Presented at the 253rd ACS National Meeting, San Francisco, CA, Apr. 2-6, 2017; **Oral**.

355. Allouche, E. M. D.; Taillemaud, S.; Charette, A. B. Functionalization of Iodocyclopropanes by Suzuki-Miyaura Cross-Coupling. Presented at the 19th Annual Chemistry & Biochemistry Graduate Research Conference (CBGRC), Montreal, QC, Nov. 18, 2016; **Oral**.
354. Siddiqui, S. H.; Navuluri, C.; Charette, A. B. Improved Functional Group Compatibility for the Dioxaborolane-Mediated Enantioselective Cyclopropanation via a Non-Oxidative Work-Up. Presented at the 19th Annual Chemistry & Biochemistry Graduate Research Conference (CBGRC), Montreal, QC, Nov. 18, 2016; **Poster**.
353. Ladd, C. L.; Charette, A. B. Access to Cyclopropyl-Fused Azacycles via a Palladium-Catalyzed Direct Alkenylation Strategy. Presented at the 19th Annual Chemistry & Biochemistry Graduate Research Conference (CBGRC), Montreal, QC, Nov. 18, 2016; **Poster**. [Award for Best Poster Presentation]
352. Allouche, E. M. D.; Taillemaud, S.; Charette, A. B. Functionalization of Iodocyclopropanes by Suzuki-Miyaura Cross-Coupling. Presented at the 27th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Waterloo, ON, Nov. 11-13, 2016; **Oral**.
351. Ladd, C. L.; Charette, A. B. Access to Cyclopropyl-Fused Azacycles via a Palladium-Catalyzed Direct Alkenylation Strategy. Presented at the 27th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Waterloo, ON, Nov. 11-13, 2016; **Poster**.
350. Siddiqui, S. H.; Navuluri, C.; Charette, A. B. Improved Functional Group Compatibility for the Dioxaborolane-Mediated Enantioselective Cyclopropanation via a Non-Oxidative Work-Up. Presented at the 27th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Waterloo, ON, Nov. 11-13, 2016; **Poster**.
349. Rullière, P.; Lévesque, É.; Laporte, S. T.; Vanier, S.; Pons, A.; Charette, A. B. Development of Diazo Syntheses Under Scalable Continuous Conditions. Presented at the 6th International Conference of the Flow Chemistry Society, Miami, FL, Nov. 2-3, 2016; **Poster**.
348. Sayes, M.; Charette, A. B. Supporting Rhodium: Application in Flow Chemistry. Presented at the 2nd CREATE Annual Symposium in Continuous Flow Science, Montreal, QC, Sep. 16, 2016; **Poster**.
347. Diercxsens, N.; Lévesque, É.; Charette, A. B. Synthesis of Diazo Compounds Using Flow Chemistry. Presented at the 2nd CREATE Annual Symposium in Continuous Flow Science, Montreal, QC, Sep. 16, 2016; **Poster**.
346. Rullière, P.; Lévesque, É.; Laporte, S. T.; Vanier, S.; Charette, A. B. Development of Diazo Syntheses Under Scalable Continuous Conditions. Presented at the 2nd CREATE Annual Symposium in Continuous Flow Science, Montreal, QC, Sep. 16, 2016; **Oral**.
345. Allouche, E. M. D.; Taillemaud, S.; Charette, A. B. Fonctionnalisation d'iodo-cyclopropanes par couplage de Suzuki-Miyaura. Presented at the 7th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, Jun. 3, 2016; **Poster**.
344. Taillemaud, S.; Aspin, S.; Charette, A. B. Synthesis of 9-Silafluorenyl Dichlorides and Their Application in Peptide Synthesis as Chemically Ligating Coupling Agents. Presented at the 7th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, Jun. 3, 2016; **Poster**.
343. Ladd, C. L.; Charette, A. B. Palladium-Catalyzed Intramolecular Direct Functionalization of Cyclopropanes: Access to Novel Fused Heterocycles. Presented at the 7th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, Jun. 3, 2016; **Poster**. [Award for Best Poster Presentation]
342. Régnier, S.; Bechara, W. S.; Charette, A. B. Expedient Synthesis of 3-Aminoimidazo[1,2-a]pyridines from α -Aminopyridyl Amides. Presented at the 3rd International Symposium on C-H Activation, Montreal, QC, May 30-Jun. 2, 2016; **Poster**.
341. Lévesque, É.; Constantineau-Forget, L.; Bechara, W. S.; Pelletier, G.; Charette, A. B. General C-H Functionalization Strategy for the Synthesis of Full-Color-Tunable High Stokes Shift Benzo[a]imidazo[2,1,5-

c,d]indolizines Fluorophores. Presented at the 3rd International Symposium on C–H Activation, Montreal, QC, May 30–Jun. 2, 2016; **Poster**.

340. Ladd, C. L.; Charette, A. B. Palladium-Catalyzed Intramolecular Direct Functionalization of Cyclopropanes: Access to Novel Fused Heterocycles. Presented at the 3rd International Symposium on C–H Activation, Montreal, QC, May 30–Jun. 2, 2016; **Poster**.
339. Rullière, P.; Cyr, P.; Charette, A. B. Difluorocyclopropanation of Alkenes and Alkynes in Continuous Flow. Presented at the 6th International Conference of the Flow Chemistry Society, Cambridge, UK, Feb. 16–18, 2016; **Poster**.

2015

338. Lévesque, É.; Laporte, S. T.; Vanier, S.; Charette, A. B. On-Demand Diazo Reagents: In-Flow Generation and Purification. Presented at the Pacifichem, Honolulu, HI, Dec. 15–20, 2015; **Oral**.
337. Bechara, W. S.; Régnier, S.; Cyr, P.; Charette, A. B. Rapid Access to 3-Aminoindazoles from Tertiary Amides. Presented at the Pacifichem, Honolulu, HI, Dec. 15–20, 2015; **Poster**.
336. Ladd, C. L.; Belouin, A. V.; Charette, A. B. Access to Tetrahydroisoquinolines via Intramolecular Direct Functionalization of α -Cyclopropyl Amino Acid Derivatives. Presented at the Pacifichem, Honolulu, HI, Dec. 15–20, 2015; **Oral**.
335. Taillemaud, S.; Diercxens, N.; Gagnon, A.; Charette, A. B. Mechanism-Driven Elaboration of an Enantioselective Bromocyclopropanation Reaction of Allylic Alcohols. Presented at 19th Annual Chemistry & Biochemistry Graduate Research Conference (CBGRC), Montreal, QC, Nov. 20, 2015; **Oral**.
334. Taillemaud, S.; Diercxens, N.; Gagnon, A.; Charette, A. B. Mechanism-Driven Elaboration of an Enantioselective Bromocyclopropanation Reaction of Allylic Alcohols. Presented at the 26th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Nov. 6–8, 2015; **Oral**. [Award for Third Best Oral Presentation]
333. Dauphinais, M.; Zimbron, J. M.; Charette, A. B. Recyclable, Supported and Homogeneous Noyori-Ikariya Catalyst for Asymmetric Transfer Hydrogenation in Water. Presented at the 250th ACS National Meeting, Boston, MA, Aug. 16–20, 2015; **Poster**.
332. Lévesque, É.; Laporte, S. T.; Vanier, S.; Charette, A. B. On-Demand Diattractor Diazo Reagents: In-Flow Generation of Purification. Presented at the 250th ACS National Meeting, Boston, MA, Aug. 16–20, 2015; **Oral**.
331. Ladd, C. L.; Belouin, A. V.; Charette, A. B. Access to Tetrahydroisoquinolines via Intramolecular Direct Functionalization of α -Cyclopropyl Amino Acid Derivatives. Presented at the 250th ACS National Meeting, Boston, MA, Aug. 16–20, 2015; **Poster**.
330. Bechara, W. S.; Khazhieva, I. S.; Rodriguez, E.; Charette, A. B. One-Pot Synthesis of 3,4,5,-Trisubstituted 1,2,4-Triazoles via the Addition of Hydrazides to Activated Secondary Amides. Presented at the 250th ACS National Meeting, Boston, MA, Aug. 16–20, 2015; **Oral**.
329. Régnier, S.; Cyr, P.; Bechara, W. S.; Charette, A. B. Rapid Access to 3-Aminoindazoles from Aromatic Tertiary Amides. Presented at the 250th ACS National Meeting, Boston, MA, Aug. 16–20, 2015; **Poster**.
328. Rachel, N. M.; Lévesque, É.; Charette, A. B.; Pelletier, J. N. One-pot Peptide and Protein Chemoenzymatic Conjugation: Combination of Transamination and Click Chemistry. Presented at the 98th Canadian Chemistry Conference and Exhibition, Ottawa, ON, Jun. 13–17, 2015; **Oral**.
327. Lévesque, É.; Laporte, S. T.; Charette, A. B. Generation and Purification of Reactive Diazo Solutions in Continuous Flow. Presented at the 98th Canadian Chemistry Conference and Exhibition, Ottawa, ON, Jun. 13–17, 2015; **Oral**.
326. Taillemaud, S.; Charette, A. B. Development of an Enantio- and Diastereoselective Simmons-Smith Bromocyclopropanation Reaction and Mechanistic Considerations. Presented at the 6th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Quebec City, QC, May 12, 2015; **Poster**.

325. Dauphinais, M.; Zimbron, J. M.; Charette, A. B. Recyclable, Supported and Homogeneous Noyori-Ikariya Catalyst for Asymmetric Transfer Hydrogenation in Water. Presented at the 6th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Quebec City, QC, May 12, 2015; **Poster**.
324. Lévesque, E.; Constantineau-Forget, L.; Bechara, W. S.; Pelletier, G.; Charette, A. B. A New Class of Tunable Heterocyclic Fluorophores: Divergent Synthesis Through Catalytic C–H Arylations. Presented at the 6th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Quebec City, QC, May 12, 2015; **Poster**.
323. Ladd, C. L.; Charette, A. B. Palladium-Catalyzed Direct Functionalization of α -Cyclopropyl Amino Acid Derivatives. Presented at the 6th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Quebec City, QC, May 12, 2015; **Poster**.
322. Régnier, S.; Cyr, P.; Bechara, W. S.; Charette, A. B. Rapid Access to 3-Aminoindazoles from Aromatic Tertiary Amides. Presented at the 6th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Quebec City, QC, May 12, 2015; **Poster**.
321. Bechara, W. S.; Charette, A. B. Development of a Full-Color-Tunable Fluorescent Benzo[a]imidazo[2,1,5-c,d]indolizines. Presented at the Hokkaido University/Université de Montréal/Université de Strasbourg Joint Symposium, Hokkaido Univ., Sapporo, Japan, Mar. 24, 2015; **Oral**.
320. Taillemaud, S.; Diercxsens, N.; Gagnon, A.; Charette, A. B. Development of an Enantio- and Diastereoselective Simmons–Smith Bromocyclopropanation Reaction and Mechanistic Studies. Presented at the 249th ACS National Meeting, Denver, CO, Mar. 22-26, 2015; **Oral**.
319. Lévesque, É.; Constantineau-Forget, L.; Pelletier, G.; Bechara, W. S.; Charette, A. B. Benzo[a]imidazo[2,1,5-c,d]indolizine as Tunable Heterocyclic Fluorophores: Synthesis and Applications. Presented at the 249th ACS National Meeting, Denver, CO, Mar. 22-26, 2015; **Oral**.

2014

318. Lévesque, É.; Charette, A. B. Conception d'une librairie de fluorophores hétérocycliques modulables. Presented at the 2^e carrefour de la recherche sur le médicament (GRUM), Université de Montréal, Montreal, QC, Nov. 28, 2014; **Oral**.
317. Laporte, S. T.; Lévesque, É.; Charette, A. B. Synthèse et purification en écoulement continu de solutions réactives d'aryldiazométhanes via une pyrolyse en conditions douces. Presented at the 26^e colloque annuel des étudiantes et étudiants en chimie de l'Université de Sherbrooke, Sherbrooke, QC, Oct. 17, 2014; **Oral**.
316. Bechara, W. S.; Khazhieva, I.; Rodriguez, E.; Charette, A. B. Synthesis of 1,2,4-Triazoles via the Addition of Hydrazides to Secondary Amides. Presented at the 5th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, May 9, 2014; **Poster**.
315. Lévesque, E.; Goudreau, S. R.; Charette, A. B. Access to Various 1,2,3-Trisubstituted Cyclopropanes from Alkenes and Diazo Compounds via a Zinc-Catalyzed Simmons-Smith Cyclopropanation. Presented at the 5th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, May 9, 2014; **Poster**.
314. Sustac Roman, D.; Charette, A. B. Palladium-Catalyzed Picolinamide-Enabled C(sp³)-H Arylation: A Practical Functionalization of the Cyclopropyl Scaffold. Presented at the 5th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, May 9, 2014; **Poster**.
313. Ladd, C.; Charette, A. B. Palladium-Catalyzed Direct Arylation of Cyclopropanes: Facile Access to Spiro 3,3'-Cyclopropyl Oxindoles. Presented at the 247th ACS National Meeting, Dallas, TX, Mar. 16-20, 2014; **Oral**.
312. Sustac Roman, D.; Charette, A. B. Palladium-Catalyzed, Picolinamide-Enabled C(sp³)-H Arylation: A Practical Functionalization of the Cyclopropyl Scaffold. Presented at the 247th ACS National Meeting, Dallas, TX, Mar. 16-20, 2014; **Oral**.

2013

311. Constantineau-Forget, L.; Pelletier, G.; Charette, A. B. Practical Synthesis of Benzo[a]imidazo[2,1,5-c,d]indolizines via a Palladium-Catalyzed Process. Presented at the 24th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Sherbrooke, QC, Nov. 8-10, 2013; **Poster**.
310. Taillemaud, S.; Zimbron, J.; Stazi, F.; Marcoux, D.; Poupon, J.-C.; Latassa, D.; Charette, A. B. Tetraaryl Phosphonium Salts as Soluble Molecular Support in Peptide Synthesis. Presented at the 24th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Sherbrooke, QC, Nov. 8-10, 2013; **Poster**.
309. Lévesque, E.; Goudreau, S. R.; Charette, A. B. Access to Various 1,2,3-Trisubstituted Cyclopropanes from Alkenes and Diazo Compounds via a Zinc-Catalyzed Simmons-Smith Cyclopropanation. Presented at the 24th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Sherbrooke, QC, Nov. 8-10, 2013; **Poster**.
308. Ladd, C.; Sustac Roman, D.; Charette, A. B. Synthesis of Benzo[c]azepine-1-ones via Palladium-Catalyzed, Silver-Mediated Intramolecular Direct Arylation of Cyclopropyl Benzamides. Presented at the 24th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Sherbrooke, QC, Nov. 8-10, 2013; **Poster**.
307. Ladd, C.; Sustac Roman, D.; Charette, A. B. Palladium-Catalyzed Direct Arylation of Cyclopropanes: Facile Access to Spiro 3,3'-Cyclopropyl Oxindoles. Presented at the 24th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Sherbrooke, QC, Nov. 8-10, 2013; **Oral**.
306. Ladd, C.; Sustac Roman, D.; Charette, A. B. Palladium-Catalyzed, Silver-Mediated ring-Opening of Cyclopropyl Benzamides: Synthesis of Benzo[c]azepine-1-ones via C(sp³)-H Functionalization. Presented at the 96th Canadian Chemistry Conference and Exhibition, Quebec City, QC, May 26-30, 2013; **Poster**.
305. Ladd, C.; Sustac Roman, D.; Charette, A. B. Silver-Promoted, Palladium-Catalyzed Direct Arylation of Cyclopropanes: Facile Access to Spiro 3,3'-Cyclopropyl Oxindoles. Presented at the 96th Canadian Chemistry Conference and Exhibition, Quebec City, QC, May 26-30, 2013; **Oral**.
304. Lévesque, E.; Goudreau, S. R.; Charette, A. B. Zinc Halides-Catalyzed Simmons-Smith Cyclopropanation Reactions: Access to Various Di-, Tri- and Tetra-Substituted Arylcyclopropanes. Presented at the 96th Canadian Chemistry Conference and Exhibition, Quebec City, QC, May 26-30, 2013; **Oral**.
303. Constantineau-Forget, L.; Goudreau, S. R.; Charette, A. B. Studies Towards the Total Synthesis of (-)-Cylindrocyclophane F. Presented at the 96th Canadian Chemistry Conference and Exhibition, Quebec City, QC, May 26-30, 2013; **Poster**.
302. Bechara, W. S.; Charette, A. B. Chemoselective and Controlled Conversion of Secondary Amides to ketones. Presented at the Green Chemistry Symposium, Univ. Federal d do Paraná, Curitiba, Brazil, May 15, 2013; **Oral**.

2012

301. Marcoux, D.; Charette, A. B. Harvest in the Natural Product Synthesis and Gold-Catalyzed Gardens. Presented at the 95th Canadian Chemistry Conference and Exhibition, Calgary, AB, May 26-30, 2012; **Oral. [Boehringer Ingelheim Award Lecture]**
300. Ladd, C.; Charette, A. B. Synthesis of Spiro 3,3'-Cyclopropyl Oxindoles via Palladium-Catalyzed Intramolecular Cyclization of 2-Bromoanilides. Presented at the 4th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, May 10, 2012; **Poster**.
299. Fiset, D.; Charette, A. B. Rhodium-Catalyzed Enantioselective Cyclopropanation of Allenes. Presented at the 4th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, May 10, 2012; **Poster**.
298. Beaulieu, L.-P. B.; Sustac Roman, D.; Charette, A. B. Nickel(0)/NaHMDS Accut-Mediated Intramolecular Alkylation of Unactivated Arenes Via a Homolytic Aromatic Substitution Mechanism. Presented at the 4th Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, May 10, 2012; **Poster**.

297. Fiset, D.; Charette, A. B. Hydrolyse assistée par micro-ondes : synthèse efficace de cystéines quaternaires. Presented at the 80^e Congrès de l'ACFAS, Montreal, QC, May 7-11, 2012; **Oral**.
296. Bechara, W. S.; Pelletier, G.; Charette, A. B. Highly Chemoselective and Controlled Conversion of Secondary Amides to Ketones. Presented at the 243rd ACS National Meeting, San Diego, CA, Mar. 25-29, 2012; **Oral**.
295. Pelletier, G.; Bechara, W. S.; Barbe, G.; Charette, A. B. Controlled and Chemoselective Reductions of Secondary and Tertiary Amides: Versatile Applications of Hantzsch Ester Hydride and Et₃SiH as Reducing Agents. Presented at the 243rd ACS National Meeting, San Diego, CA, Mar. 25-29, 2012; **Poster**.
294. Beaulieu, L.-P. B.; Zimmer, L. E.; Charette, A. B. Highly Enantioselective Synthesis of 1,2,3-Substituted Cyclopropanes Using α -Iodozinc and α -Chlorozinc Carbenoids. Presented at the 243rd ACS National Meeting, San Diego, CA, Mar. 25-29, 2012; **Poster**.
293. Sustac Roman, D.; Takahashi, Y.; Charette, A. B. Potassium *tert*-Butoxide Promoted Intramolecular Arylation. Presented at the 8th CRC International Symposium on Organometallics & Catalysis, Toronto, ON, Feb. 4, 2012; **Poster**.

_____ 2011 _____

292. Sustac Roman, D.; Takahashi, Y.; Charette, A. B. Potassium *tert*-Butoxide Promoted Intramolecular Arylation. Presented at the 3rd Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Quebec City, QC, Dec. 9, 2011; **Poster**.
291. Bechara, W. S.; Jarvis, S.; Aubé, A.; Charette, A. B. Direct and Efficient Synthesis of Amines via Acid Mediated Mitsunobu Reaction. Presented at the 22nd Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Nov. 11-13, 2011; **Poster**.
290. Pelletier, G.; Lie, S.; Mousseau, J. J.; Charette, A. B. One-Pot Formation of 1-Iodoalkynes from Primary Haloalkanes and Iodoform. Presented at the 94th Canadian Chemistry Conference and Exhibition, Montreal, QC, Jun. 5-9, 2011; **Poster**.
289. Sustac Roman, D.; Takahashi, Y.; Charette, A. B. Potassium *tert*-Butoxide Promoted Intramolecular Arylation. Presented at the 94th Canadian Chemistry Conference and Exhibition, Montreal, QC, Jun. 5-9, 2011; **Poster**.
288. Constantineau-Forget, L.; Pelletier, G.; Charette, A. B. Towards the Synthesis of Enantioenriched 2,6-Disubstituted Piperidines via a Negishi Cross-Coupling of 2-Substituted Dihydropyridines. Presented at the 94th Canadian Chemistry Conference and Exhibition, Montreal, QC, Jun. 5-9, 2011; **Poster**.
287. Schneider, J. F.; Beaulieu, L.-P. B.; Charette, A. B. Functionalization of 1,2-Disubstituted Iodocyclopropanes. Presented at the 94th Canadian Chemistry Conference and Exhibition, Montreal, QC, Jun. 5-9, 2011; **Poster**.
286. Goudreau, S.; Azzi, S.; Charette, A. B. Towards the Total Synthesis of (-)-Cylindrocyclophane F Using a Cyclopropane-Based Approach. Presented at the 94th Canadian Chemistry Conference and Exhibition, Montreal, QC, Jun. 5-9, 2011; **Poster**.
285. Beaulieu, L.-P. B.; Vallée, F.; Charette, A. B. Intramolecular Direct Alkylation of Unactivated Aromatic Rings. Presented at the 94th Canadian Chemistry Conference and Exhibition, Montreal, QC, Jun. 5-9, 2011; **Oral**.
284. Pelletier, G.; Bechara, W. S.; Barbe, G.; Charette, A. B. Highly Chemoselective and Controlled Conversion of Secondary Amides to Ketones. Presented at the 94th Canadian Chemistry Conference and Exhibition, Montreal, QC, Jun. 5-9, 2011; **Oral**.
283. Lindsay, V. N. G.; Lin, W.; Charette, A. B. Design and Mechanistic Study of Chiral Rh(II)-Carboxylate Catalysts for Enantioselective Cyclopropanation Reactions with Diaceptor Diazo Compounds. Presented at the 94th Canadian Chemistry Conference and Exhibition, Montreal, QC, Jun. 5-9, 2011; **Oral**.
282. Bechara, W. S.; Pelletier, G.; Charette, A. B. Controlled and Chemoselective Reductions of Secondary and Tertiary Amides: Versatile Applications of HEH and Et₃SiH as Reducing Agents. Presented at the 94th Canadian Chemistry Conference and Exhibition, Montreal, QC, Jun. 5-9, 2011; **Oral**.

281. Mousseau, J. J.; Sustac Roman, D.; Charette, A. B. Unconventional Direct Arylation of Unactivated Arenes Through Radical Pathways. Presented at the 241st ACS National Meeting, Anaheim, CA, Mar. 27-31, 2011; **Oral**.

2010

280. Charette, A. B. New Insights in the Structure of Chiral Rhodium Dimer Catalysts and their Use in the Asymmetric Cyclopropanation of Alkenes. Presented at the Pacificchem, Honolulu, HI, Dec. 15-20, 2010; **Oral**.

279. Charette, A. B. Beyond the Simmons-Smith Reagent: the Development of New Zinc Carbenoid Reagents and their Use in the Cyclopropanation of Alkenes. Presented at the Pacificchem, Honolulu, HI, Dec. 15-20, 2010; **Oral**.

278. Charette, A. B. Nucleophilic Addition Reactions to Pyridinium and Iminium Salts: Expedient Access to Indolizidine Alkaloids and Other Useful Chiral Building Blocks. Presented at the Pacificchem, Honolulu, HI, Dec. 15-20, 2010; **Oral**.

277. Lindsay, V. N. G.; Lin, W.; Charette, A. B. Enantioselective Rhodium(II)-Catalyzed Cyclopropanation of Alkenes with α -EWG Diazoacetophenones: PMP-Ketones as Stereoselectivity Controllers. Presented at the Pacificchem, Honolulu, HI, Dec. 15-20, 2010; **Oral**.

276. Sustac Roman, D.; Takahashi, Y.; Charette, A. B. Potassium tert-Butoxide Promoted Cyclization of Ethers, Anilines and Amides. Presented at the 2nd Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, Dec. 6, 2010; **Poster**.

275. Pelletier, G.; Bechara, W. S.; Charette, A. B. Synthesis of Amines, Aldehydes, and Imines: Exceeding Chemoselectivity in Secondary Amide Reductions. Presented at the 240th ACS National Meeting, Boston, MA, Aug. 22-26, 2010; **Oral**.

274. Mousseau, J. J.; Charette, A. B. Pyridine Elaboration Through Direct Functionalization Reactions. Presented at the 240th ACS National Meeting, Boston, MA, Aug. 22-26, 2010; **Oral**.

273. Mousseau, J. J.; Charette, A. B. Palladium and Iron Catalyzed Direct Arylation Reactions. Presented at the 240th ACS National Meeting, Boston, MA, Aug. 22-26, 2010; **Poster**.

272. Lindsay, V. N. G.; Charette, A. B. Enantioselective Rhodium(II)-Catalyzed Cyclopropanation of Alkenes with α -EWG Diazoacetophenones: PMP-Ketones as Stereoselectivity Controllers. Presented at the 240th ACS National Meeting, Boston, MA, Aug. 22-26, 2010; **Oral**.

271. Bechara, W. S.; Marcoux, D.; Charette, A. B. Towards the Total Synthesis of a New Sesquiterpene Having a Unique Carbon Skeleton. Presented at the 240th ACS National Meeting, Boston, MA, Aug. 22-26, 2010; **Poster**.

270. Jarvis, S.; Charette, A. B. Asymmetric Synthesis of Substituted Piperidines via Aziridinium Intermediates. Presented at the 240th ACS National Meeting, Boston, MA, Aug. 22-26, 2010; **Poster**.

269. Mousseau, J. J.; Vallée, F.; Charette, A. B. Iron and Palladium Catalyzed Arylation: The Directed Functionalization of Benzene and Arene Derivatives. Presented at the 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON, May 29-Jun. 2, 2010; **Oral**. [**Industrial Chemistry Student Presentation Award**]

268. Pelletier, G.; Bechara, W. S.; Charette, A. B. Highly Chemoselective Reductions of Secondary Amides to Aldehydes, Imines and Amines. Presented at the 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON, May 29-Jun. 2, 2010; **Oral**.

267. Cérat, P.; Gritsch, P. J.; Goudreau, S. R.; Charette, A. B. Synthesis of Enantioenriched Allenes from 1,1-Cyclopropanediesters. Presented at the 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON, May 29-Jun. 2, 2010; **Poster**.

266. Bechara, W. S.; Marcoux, D.; Charette, A. B. Towards the Total Synthesis and Stereochemical Assignment of a Sesquiterpene Isolated from the Coral *Clavularia Inflata* var. *Luzoniana*. Presented at the 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON, May 29-Jun. 2, 2010; **Poster**.

265. Lindsay, V. N. G.; Charette, A. B. Enantioselective Rhodium(II)-Catalyzed Cyclopropanation of Alkenes with α -EWG Diazoacetophenones: PMP-Ketones as Stereoselectivity Controllers. Presented at the 93rd Canadian Chemistry Conference and Exhibition, Toronto, ON, May 29-Jun. 2, 2010; **Poster**.
264. Bechara, W. S.; Pelletier, G.; Charette, A. B. Réduction hautement chimiosélective et sans métal des amides secondaires : synthèse d'imines, d'aldéhydes et d'amines. Presented at the 78^e Congrès de l'ACFAS, Montreal, QC, May 10-13, 2010; **Oral**.
263. Lindsay, V. N. G.; Charette, A. B. Cyclopropanation énantiosélective d'alcènes en présence de diazoacétophénonnes α -substituées par catalyse au rhodium(II) : étude mécanistique du contrôle de la stéréosélectivité. Presented at the 78^e Congrès de l'ACFAS, Montreal, QC, May 10-13, 2010; **Oral**.
262. Cérat, P.; Gritsch, P. J.; Goudreau, S. R.; Charette, A. B. Synthèse d'allènes énantioenrichis à partir de 2-alcynylcyclopropane-1,1-diesters. Presented at the 78^e Congrès de l'ACFAS, Montreal, QC, May 10-13, 2010; **Oral**.
261. Mousseau, J. J.; Vallée, F.; Charette, A. B. Fonctionnalisation directe catalytique d'arènes à l'aide de métaux de transition. Presented at the 78^e Congrès de l'ACFAS, Montreal, QC, May 10-13, 2010; **Oral**.
260. Mousseau, J. J.; Vallée, F.; Charette, A. B. Iron and Palladium Catalyzed Arylation: The Direct Functionalization of Benzene and Arene Derivatives. Presented at the Keith Fagnou Organic Chemistry Symposium (KFOS), Ottawa, ON, May 5-7, 2010; **Poster**. [**Book Award for Best Poster**]
259. Davi, M.; Docain, S.; Roy, M.-N.; Charette, A. B.; Lebel, H. TAP-Supported Triphenylphosphine: Applications to Cu(I)-Catalyzed Olefination of Aldehydes. Presented at the 239th ACS National Meeting, San Francisco, CA, Mar. 21-24, 2010; **Poster**.

2009

258. Mousseau, J. J.; Bull, J. A.; Charette, A. B. Copper-Catalyzed Direct Alkenylation of *N*-Iminopyridinium Ylides. Presented at the 1st Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, Dec. 11, 2009; **Poster**.
257. Vallée, F.; Mousseau, J. J.; Charette, A. B. Iron-Catalyzed Direct Arylation of Unfunctionalized Arenes. Presented at the 1st Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, Dec. 11, 2009; **Poster**.
256. Davi, M.; Dochain, S.; Roy, M.-N.; Charette, A. B.; Lebel, H. Copper(I)-Catalyzed Olefination of Aldehydes Using TAP-Supported Triphenylphosphine. Presented at the 1st Annual Meeting of the Centre in Green Chemistry and Catalysis (CGCC), Montreal, QC, Dec. 11, 2009; **Poster**.
255. Mousseau, J. J.; Fortier, A.; Bull, J. A.; Charette, A. B. Copper and Palladium-Catalyzed Direct Functionalization of *N*-Iminopyridinium Ylides: Facile Access to 2-Vinyl and Pyrazolo-Pyridines. Presented at the 12th Annual Chemistry & Biochemistry Graduate Research Conference (CBGRC), Montreal, QC, Nov. 20-21, 2009; **Oral**.
254. Bechara, W. S.; Pelletier, G.; Charette, A. B. Highly Chemoselective Reduction of Secondary Amides to Amines. Presented at the 12th Annual Chemistry & Biochemistry Graduate Research Conference (CBGRC), Montreal, QC, Nov. 20-21, 2009; **Oral**.
253. Vanier, S.; Larouche, G.; Wurz, R. P.; Charette, A. B. Formal Synthesis of Balactosin A and Hormaomycin via a Diastereoselective Intramolecular Cyclopropanation of a α -Nitro Diazoester. Presented at the 12th Annual Chemistry & Biochemistry Graduate Research Conference (CBGRC), Montreal, QC, Nov. 20-21, 2009; **Oral**.
252. Beaulieu, L.-P. B.; Delvos, L.; Charette, A. B. Bifunctionality of Silanol Groups in Cyclopropanation and Subsequent Hiyama Cross-Coupling Reactions. Presented at the 12th Annual Chemistry & Biochemistry Graduate Research Conference (CBGRC), Montreal, QC, Nov. 20-21, 2009; **Oral**.

251. Vallée, F.; Mousseau, J. J.; Charette, A. B. Iron-Catalyzed Direct Arylation: Mild Arene and Heteroarene Functionalization. Presented at the 20th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Quebec City, QC, Oct. 30-Nov. 1, 2009; **Oral**.
250. Vanier, S.; Larouche, G.; Wurz, R. P.; Charette, A. B. Formal Synthesis of Balactosine A and Hormaomycin via a Diastereoselective Intramolecular Cyclopropanation of an α -Nitro Diazoester. Presented at the 20th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Quebec City, QC, Oct. 30-Nov. 1, 2009; **Poster**.
249. Bechara, W. S.; Marcoux, D.; Charette, A. B. Towards the Total Synthesis and Stereochemical Assignment of a Sesquiterpene Isolated from the *Coral Clavularia Inflata* var. *Luzonia*. Presented at the 20th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Quebec City, QC, Oct. 30-Nov. 1, 2009; **Poster**.
248. Lindsay, V. N. G.; Lin, W.; Charette, A. B. Stereoselective Synthesis of cis-Cyclopropane α -Amino Acids via a Rhodium-Catalyzed Asymmetric Cyclopropanation of Alkenes with α -Nitro Diazoacetophenones. Presented at the 20th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Quebec City, QC, Oct. 30-Nov. 1, 2009; **Poster**.
247. Pelletier, G.; Charette, A. B. Intramolecular Pyridine Activation-De-aromatization Reaction: Highly Stereoselective Synthesis of Polysubstituted Indolizidines, Quinolizidines and Azepines. Presented at the 20th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Quebec City, QC, Oct. 30-Nov. 1, 2009; **Poster**.
246. Goudreau, S. R.; Charette, A. B. First Enantioselective Simmons-Smith Cyclopropanation Reaction Using Diazo Compounds. Presented at the 238th ACS National Meeting, Washington, DC, Aug. 16-20, 2009; **Oral**.
245. Zimmer, L. E.; Charette, A. B. Highly Enantioselective Synthesis of 1,2,3-Substituted Cyclopropanes Using *gem*-Dizinc Carbenoids. Presented at the 238th ACS National Meeting, Washington, DC, Aug. 16-20, 2009; **Oral**.
244. Côté, A.; Charette, A. B. Use of A Chiral Diphosphine Monoxide Ligand in Copper Catalyzed Nucleophilic Addition Reactions. Presented at the 92nd Canadian Chemistry Conference and Exhibition, Hamilton, ON, May 30-Jun. 3, 2009; **Oral**. [Boehringer Ingelheim Award Lecture]
243. Mousseau, J. J.; Charette, A. B. Ligand-Free, Copper and Palladium-Catalyzed Direct Functionalization of *N*-Iminopyridinium Ylides: Facile Access to 2-Vinyl and Pyrazolo-Pyridines. Presented at the 92nd Canadian Chemistry Conference and Exhibition, Hamilton, ON, May 30-Jun. 3, 2009; **Oral**.
242. Marcoux, D.; Azzi, S.; Charette, A. B. *trans*-Directing Ability of Amide Group: Enabling Enantio- and Diastereocontrol in Rh-Catalyzed Cyclopropanation of Alkenes Using Diazo Reagents Bearing Two Acceptor Groups. Presented at the 92nd Canadian Chemistry Conference and Exhibition, Hamilton, ON, May 30-Jun. 3, 2009; **Oral**.
241. Beaulieu, L.-P. B.; Charette, A. B. Développement d'une méthodologie permettant la synthèse stéréosélective d'iodocyclopropanes 1,2,3-trisubstitués. Presented at the 77^e Congrès de l'ACFAS, Ottawa, ON, May 13-14, 2009; **Oral**.
240. Barbe, G.; Pelletier, G.; Charette, A. B. Activation intramoléculaire-désaromatization de pyridines : synthèse hautement stéréosélective d'indolizidines et de quinolizidines polysubstituées. Presented at the 77^e Congrès de l'ACFAS, Ottawa, ON, May 13-14, 2009; **Oral**.
239. Lindsay, V. N. G.; Lin, W.; Charette, A. B. Synthèse stéréosélective de dérivés cyclopropaniques acides aminés via une réaction de cyclopropanation énantiosélective d'alcène en présence d' α -diazo- α -nitrocétones par catalyse au rhodium(II). Presented at the 77^e Congrès de l'ACFAS, Ottawa, ON, May 13-14, 2009; **Oral**.

2008

238. Lindsay, V. N. G.; Lin, W.; Charette, A. B. Stereoselective Synthesis of cis-Cyclopropane α -Amino Acids via a Rhodium-Catalyzed Asymmetric Cyclopropanation of α -Diazo- α -Nitroketones and Alkenes. Presented

at the 19th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Toronto, ON, Nov. 7-9, 2008; **Poster**.

237. Pelletier, G.; Larivée, A.; Charette, A. B. Highly Regioselective Intermolecular Arylation of 1,2,3,4-Tetrahydropyridines. Presented at the 19th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Toronto, ON, Nov. 7-9, 2008; **Poster**.
236. Barbe, G.; St-Onge, M.; Charette, A. B. Silver-Induced Grob Fragmentation of γ -amino Iodides: Highly Stereoselective Synthesis of Polysubstituted Piperidines. Presented at the 19th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Toronto, ON, Nov. 7-9, 2008; **Oral**.
235. Barbe, G.; St-Onge, M.; Charette, A. B. Silver-Induced Grob Fragmentation of γ -amino Iodides: Highly Stereoselective Synthesis of Polysubstituted Piperidines. Presented at the AstraZeneca Chemistry Symposium, AstraZeneca R&D Montréal, Montreal, QC Oct. 3, 2008; **Poster**.
234. Bull, J. A.; Charette, A. B. Synthesis of [n.1.0] Bicycloalkanes by a Directed Intramolecular Simmons-Smith Cyclopropanation. Presented at the AstraZeneca Chemistry Symposium, AstraZeneca R&D Montréal, Montreal, QC, Oct. 3, 2008; **Poster**.
233. Poirier, M.; Charette, A. B. Ring-Expansion of Enantioenriched Methyl 1-Nitrocyclopropanecarboxylates: Synthesis of Chiral γ -Hydroxy- α -Amino Acids and Efforts Towards the Total Synthesis of 4-epi-(+)-Bulgecinine. Presented at the AstraZeneca Chemistry Symposium, AstraZeneca R&D Montréal, Montreal, QC Oct. 3, 2008; **Poster**.
232. Marcoux, D.; Charette, A. B. Asymmetric Synthesis of Cyclopropanes Bearing gem-Dicarboxylic Groups. Presented at the 236th ACS National Meeting, Philadelphia, PA, Aug. 17-21, 2008; **Oral**.
231. Roy, M.-N.; Charette, A. B. Synthesis and Applications of New and Improved Tetraarylphonium-Supported Tin Reagents. Presented at the 236th ACS National Meeting, Philadelphia, PA, Aug. 17-21, 2008; **Poster**.
230. Mousseau, J. J.; Larivée, A.; Charette, A. B. Palladium-Catalyzed C-H Insertion of *N*-Iminopyridinium Ylides. Presented at the North East Regional Meeting (NERM), Burlington, VT, Jun. 29-Jul. 2, 2008; **Poster**.
229. Poirier, M.; Charette, A. B. Novel Ring Expansion of Enantioenriched Methyl Nitrocyclopropanes Carboxylate: Efficient Synthesis of Chiral γ -Hydroxy- α -Amino Acids. Presented at the French-American Chemical Society Symposium (FACS XII), Santa Barbara, CA, Jun. 8-12, 2008; **Poster**.
228. Marcoux, D.; Charette, A. B. Asymmetric Synthesis of Cyclopropanes Bearing gem-Dicarboxylic Groups. Presented at the French-American Chemical Society Symposium (FACS XII), Santa Barbara, CA, Jun. 8-12, 2008; **Poster**.
227. Charette, A. B.; Marcoux, D. Transition Metal Catalyzed Asymmetric Cyclopropanation of Alkenes with Diazo Reagents Bearing Two Electron-Withdrawing Groups. Presented at the 91st Canadian Chemistry Conference and Exhibition, Edmonton, AB, May 24-28, 2008; **Oral**.
226. Barbe, G.; Charette, A. B. Stereoselective Synthesis of Non-Racemic Polysubstituted Hydroquinolines Using a RC-ROM Process: Mechanistic Insight and Application to the Total Synthesis of Lepadin B. Presented at the 91st Canadian Chemistry Conference and Exhibition, Edmonton, AB, May 24-28, 2008; **Oral**.
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2007

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222. Côté, A.; Charette, A. B. Practical and Salt-Free Synthesis of Diorganozinc Reagents for Enantioselective Transformation. Presented at the 18th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Nov. 9-11, 2007; **Poster**.
221. Desrosiers, J.-N.; Charette, A. B. Enantioselective Synthesis of Sulfones with β -Stereocenters via a Copper Catalyzed System. Presented at the 18th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Nov. 9-11, 2007; **Poster**.
220. Goudreau, S. R.; Charette, A. B. Formal [3+3] Cycloaddition Reaction of Aromatic Azomethine Imines with 1,1-Cyclopropanediester. Presented at the 18th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Nov. 9-11, 2007; **Poster**.
219. Lifchits, O.; Zakharian, I.; Alberico, D.; Charette, A. B. 1-Nitrocyclopropanecarboxylates as Precursors for the Synthesis of Neurotransmitter Reuptake Inhibitors. Presented at the 18th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Nov. 9-11, 2007; **Poster**
218. Marcoux, D.; Charette, A. B. Metal-Catalyzed Coupling Between Triphenylphosphine and Aryl Halides. Presented at the 18th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Nov. 9-11, 2007; **Poster**.
217. Mousseau, J. J.; Charette, A. B. Palladium-Catalyzed C–H Insertion of *N*-Iminopyridinium Ylide. Presented at the 18th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Nov. 9-11, 2007; **Poster**.
216. Poirier, M.; Charette, A. B. Ring-Opening of Enantioenriched Nitromethylacetatecyclopropanes: Synthesis of Chiral 1,3-Aminoalcohols and α -Aminoacids. Presented at the 18th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Nov. 9-11, 2007; **Poster**.
215. Roy, M.-N.; Charette, A. B. Tetraarylphosphonium Salts: New Applications of the Supported Triphenyl Phosphine Reagent. Presented at the 18th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Nov. 9-11, 2007; **Poster**.
214. Zimmer, L. E.; Charette, A. B. Mono-Directed Diastereoselective Formation of Zinc-Cyclopropanes and Their Functionalization. Presented at 18th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Nov. 9-11, 2007; **Poster**.
213. Zimmer, L. E.; Charette, A. B. Monodirected Diastereoselective Zinc-Cyclopropanation of Allylic Alcohols Using *gem*-Dizinc Carbenoids. Presented at the 234th ACS National Meeting, Boston, MA, Aug. 19-23, 2007; **Poster**.
212. Goudreau, S. R.; Charette, A. B. Towards the Total Synthesis of (–)-Cylindrocyclophane F Using a Catalytic Asymmetric Cyclopropanation/Cyclopropane Ring Opening Strategy. Presented at the 234th ACS National Meeting, Boston, MA, Aug. 19-23, 2007; **Poster**.
211. Desrosiers, J.-N.; Charette, A. B. Catalytic Enantioselective Reduction of β,β -Disubstituted Vinyl Sulfones Using Bisphosphine Monoxide Ligands. Presented at the 234th ACS National Meeting, Boston, MA, Aug. 19-23, 2007; **Oral**.
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209. Barbe, G.; Charette, A. B. Metal-Free Reduction of Tertiary Amides. Presented at the 90th Canadian Chemistry Conference and Exhibition, Winnipeg, MB, May 26-30, 2007; **Poster**.
208. Roy, M.-N.; Charette, A. B. Applications of the Phosphonium Bond Triphenylphosphine Reagents. Presented at the 90th Canadian Chemistry Conference and Exhibition, Winnipeg, MB, May 26-30, 2007; **Poster**.
207. Laberge, K.-A.; Marcoux, D.; Charette, A. B. Nickel and Palladium-Catalyzed Synthesis of Functionalized Aryltriphenylphosphonium Salts: Application to Chiral Separation. Presented at the 90th Canadian Chemistry Conference and Exhibition, Winnipeg, MB, May 26-30, 2007; **Poster**.

206. Marcoux, D.; Charette, A. B. Towards the Synthesis of a New Sesquiterpene Having a Unique Carbon Skeleton. Presented at the 90th Canadian Chemistry Conference and Exhibition, Winnipeg, MB, May 26-30, 2007; **Poster**.

2006

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204. Labbé-Giguère, N.; Lemire, A.; Charette, A. B. Stereoselective Synthesis of Polyhydroxylated Piperidines and Indolizidines: Application to the Synthesis of 1-Deoxycastanospermine and Congeners. Presented at the 17th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), London, ON, Nov. 3-5, 2006; **Poster**.
203. Larouche, G.; Charette, A. B. Exploring Methodologies Toward the Synthesis of Belactosin A. Presented at the 17th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), London, ON, Nov. 3-5, 2006; **Poster**.
202. Perreault, C.; Charette, A. B. Stereoselective Lewis Acid Catalyzed [3+2]-Dipolar Cycloaddition Reactions of *N*-Amino Heterocyclic Ylides. Presented at the 17th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), London, ON, Nov. 3-5, 2006; **Poster**.
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200. Barbe, G.; Charette, A. B. ROM-RCM Sequence as a New Approach Toward the Total Synthesis of Lepadin B. Presented at the 232th ACS National Meeting, San Francisco, CA, Sep. 10-14, 2006; **Poster**.
199. Côté, A.; Lindsay, V. N. G.; Charette, A. B. Catalytic Enantioselective Addition of Diorganozinc Reagents to β -Nitroalkenes. Presented at the 232th ACS National Meeting, San Francisco, CA, Sep. 10-14, 2006; **Poster**.
198. Legault, C. Y.; Charette, A. B. Iridium Catalyzed Enantioselective Hydrogenation of *N*-Iminopyridinium Ylides: Mechanistic Insight. Presented at the 232th ACS National Meeting, San Francisco, CA, Sep. 10-14, 2006; **Poster**.
197. Barbe, G.; Charette, A. B. ROM-RCM Sequence as a New Approach Toward the Total Synthesis of Lepadin B. Presented at the Gordon Research Conference in Stereochemistry, Salve Regina College, Newport, RI, Jun. 18-23, 2006; **Poster**.
196. Bonnaventure, I.; Charette, A. B. Synthesis of *N*-Containing Heterocycles by Enantioselective Catalytic Addition of Diorganozinc Reagents on Imines. Presented at the 89th Canadian Chemistry Conference and Exhibition, Halifax, NS, May 27-31, 2006; **Poster**.
195. Côté, A.; Lindsay, V. N. G.; Charette, A. B. Chiral Bisphosphine Monoxide as a New Class of Ligands in Catalytic Enantioselective Addition of Diorganozincs to β -Nitroalkenes. Presented at the 89th Canadian Chemistry Conference and Exhibition, Halifax, NS, May 27-31, 2006; **Oral**.
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191. Roy, M.-N.; Charette, A. B. Tetraarylphosphonium Salt: Supported TEMPO Catalyst and (Diacetoxyiodo) Benzene Reagent. Presented at the 89th Canadian Chemistry Conference and Exhibition, Halifax, NS, May 27-31, 2006; **Poster**.
190. Côté, A.; Lindsay, V. N. G., Charette, A. B. Addition catalytique énantiosélective sur des nitroalcènes utilisant une bisphosphine monoxydée comme ligand. Presented at the 74^e Congrès de l'ACFAS, Montreal, QC, May 15-19, 2006; **Oral**.
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187. Tannous, J.; Charette, A. B. Enantioselective Catalytic Addition of Dialkylzinc Reagents to Phosphinoylimines: Synthesis of α -Chiral Heteroaromatic Amines Scope and Reaction Pathway Investigation. Presented at the 3^e Symposium des étudiants gradués en chimie, Université de Montréal, Montreal, QC, Mar. 21, 2006; **Poster**.
186. Roy, M.-N.; Charette, A. B. Sels de tétraarylphosphonium : le catalyseur TEMPO et le réactif (diacetoxyiodo) benzène supportés. Presented at the 3^e Symposium des étudiants gradués en chimie, Université de Montréal, Montreal, QC, Mar. 21, 2006; **Poster**.
185. Philippe, J.; Charette, A. B. En route vers la synthèse totale de l'acide majusculoïque. Presented at the 3^e Symposium des étudiants gradués en chimie, Université de Montréal, Montreal, QC, Mar. 21, 2006; **Poster**.
184. Perreault, C.; Charette, A. B. Fonctionnalisation régioselective et stéréospécifique d'une quinoline via une cycloaddition [3+2]. Presented at the 3^e Symposium des étudiants gradués en chimie, Université de Montréal, Montreal, QC, Mar. 21, 2006; **Poster**.
183. Moreau, B.; Charette, A. B. Synthèse asymétrique des acides aminés cyclopropanés. Presented at the 3^e Symposium des étudiants gradués en chimie, Université de Montréal, Montreal, QC, Mar. 21, 2006; **Poster**.
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181. Lin, W.; Charette, A. B. Highly Selective Baeyer-Villiger Oxidation of Nitro Cyclopropyl Ketones: A Practical Route for the Synthesis of *cis* Cyclopropyl α -Amino Acid. Presented at the 3^e Symposium des étudiants gradués en chimie, Université de Montréal, Montreal, QC, Mar. 21, 2006; **Poster**.
180. Larivée, A.; Charette, A. B. Catalytic Asymmetric Hydrogenation of Pyridinium Ylides. Presented at the 3^e Symposium des étudiants gradués en chimie, Université de Montréal, Montreal, QC, Mar. 21, 2006; **Poster**.
179. Goudreau, S.; Charette, A. B. Toward Total Synthesis of (-)-Cylindrocyclophane F. Presented at the 3^e Symposium des étudiants gradués en chimie, Université de Montréal, Montreal, QC, Mar. 21, 2006; **Poster**.
178. Côté, A.; Lindsay, V. N.; Desrosiers, J.-N.; Charette, A. B. BozPHOS in Catalytic Enantioselective Reduction and Addition of Diorganozinc Reagents to β -Nitroalkenes. Presented at the 3^e Symposium des étudiants gradués en chimie, Université de Montréal, Montreal, QC, Mar. 21, 2006; **Poster**.
177. Cloarec, J.-M.; Charette, A. B. Preparation of Zinc Substituted Methylalkylphosphonates. Presented at the 3^e Symposium des étudiants gradués en chimie, Université de Montréal, Montreal, QC, Mar. 21, 2006; **Poster**.
176. Cloarec, J.-M.; Molinaro, C.; Murphy, P.; Charette, A. B. Additional Pathways in Zinc Mediated Cyclopropanation. Presented at the 3^e Symposium des étudiants gradués en chimie, Université de Montréal, Montreal, QC, Mar. 21, 2006; **Poster**.
175. Cloarec, J.-M.; Charette, A. B. *gem*-Diiodides: Precursors for Novel SCG@-Tin Mediated Radical Cyclizations. Presented at the 3^e Symposium des étudiants gradués en chimie, Université de Montréal, Montreal, QC, Mar. 21, 2006; **Poster**.

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2005

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172. Voituriez, A.; Charette, A. B. Synthesis and Use of a New Chiral Zinc Carbenoid Derived from Phosphoric Acids in the Simmons Smith Cyclopropanation. Presented at the 16th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), St-Adèle, QC, Nov. 11-13, 2005; **Poster**.

171. Kendall, C.; Wurz, R.; Charette, A. B. Application of a Tandem Cyclopropane Rearrangement/1,3-Dipolar Cycloaddition to Natural Product Synthesis. Presented at the 16th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), St-Adèle, QC, Nov. 11-13, 2005; **Poster**.

170. Labbé-Giguère, N.; Lemire, A.; Charette, A. B. Novel Asymmetric Synthesis of Polyhydroxylated Piperidines: Application to the Synthesis of 1-Deoxy-6,7-diepicastanospermine. Presented at the 16th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), St-Adèle, QC, Nov. 11-13, 2005; **Poster**.

169. Roy, M.-N.; Charette, A. B. Method of Alcohol Oxidation with TEMPO Derivatives. Presented at the 16th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), St-Adèle, QC, Nov. 11-13, 2005; **Poster**.

168. Tannous, J.; Charette, A. B. Enantioselective Catalytic Addition of Dialkylzinc Reagents to Phosphinoylimines: Synthesis of α -Chiral Heteroaromatic Amines. Presented at the 16th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), St-Adèle, QC, Nov. 11-13, 2005; **Poster**.

167. Côté, A.; Lindsay, V. N. G.; Charette, A. B. Catalytic Enantioselective Addition of Diorganozinc Reagents to β -Nitroalkenes Using a Bisphosphine Monoxide Ligand. Presented at the 16th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), St-Adèle, QC, Nov. 11-13, 2005; **Poster**.

166. Goudreau, S.; Cloarec, J.-M.; Charette, A. B. Total Synthesis of (-)-Cylindrocyclophane F. Presented at the 16th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), St-Adèle, QC, Nov. 11-13, 2005; **Poster**.

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164. Moreau, B.; Charette, A. B. Expedient Synthesis of Cyclopropane α -Amino Acids by the Catalytic Asymmetric Cyclopropanation of Alkenes Using Iodonium Ylides Derived from Methyl Nitroacetate. Presented at the 16th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), St-Adèle, QC, Nov. 11-13, 2005; **Oral**.

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162. Sales, M.; Charette, A. B. A Diels-Alder Approach to Polysubstituted Piperidines. Presented at the 88th Canadian Chemistry Conference and Exhibition, Saskatoon, SK, May 28-Jun. 1, 2005; **Oral**.

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160. Bonnaventure, I.; Charette, A. B. Catalytic Enantioselective Addition of Diorganozinc Reagents on N-Phosphinoylimines: Influence of Ligand's Modification on its Activity. Presented at the 4^e symposium international de synthèse organique de l'Université de Montréal (SISOUM), Montreal, QC, Apr. 28-29, 2005; **Poster**.

159. Poupon, J.-C.; Boezio, A. A.; Charette, A. B. New Supported Reagents Based on Solubility-Controlling Group®. Presented at the 4^e symposium international de synthèse organique de l'Université de Montréal (SISOUM), Montreal, QC, Apr. 28-29, 2005; **Poster**.
158. Focken, T.; Charette, A. B. Towards the Enantioselective Synthesis of Barrenazine A and B by Nucleophilic Addition of Organomagnesium Reagents to Activated 4-Methoxypyridine. Presented at the 4^e symposium international de synthèse organique de l'Université de Montréal (SISOUM), Montreal, QC, Apr. 28-29, 2005; **Poster**.
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156. Mathieu, S.; Charette, A. B. Metallo Enolate Addition on Pyridinium Salt: Short Synthesis of Tetraoponerine (±)-T-4. Presented at the 4^e symposium international de synthèse organique de l'Université de Montréal (SISOUM), Montreal, QC, Apr. 28-29, 2005; **Poster**.
155. Janes, M. K.; Lebel, H.; Charette, A. B.; Nolan, S. P. Abnormal *N*-Heterocyclic Carbene (NHC) Palladium Complexes Synthesized from Imidazolium Salts. Structure, Scope and Reactivity in Cross-coupling Reactions. Presented at the 4^e symposium international de synthèse organique de l'Université de Montréal (SISOUM), Montreal, QC, Apr. 28-29, 2005; **Poster**.
154. Desrosiers, J.-N.; Charette, A. B. Enantioselective Synthesis of β -Amino Alcohols and α -Amino Acids via a Copper Catalyzed Addition of Diorganozinc Reagents to *N*-Phosphinoylimines. Presented at the 4^e symposium international de synthèse organique de l'Université de Montréal (SISOUM), Montreal, QC, Apr. 28-29, 2005; **Poster**.
153. Larivée, A.; Charette, A. B. New Methodology Towards 2,5-Substituted Piperidines: Application to the Synthesis of an α -Adrenergic Receptor Agonist. Presented at the 4^e symposium international de synthèse organique de l'Université de Montréal (SISOUM), Montreal, QC, Apr. 28-29, 2005; **Poster**.
152. Côté, A.; Charette, A. B. One-pot Procedure to Synthesize Free α -Chiral Amines From Aldehydes. Presented at the 4^e symposium international de synthèse organique de l'Université de Montréal (SISOUM), Montreal, QC, Apr. 28-29, 2005; **Poster**.
151. Lauzon, C.; Charette, A. B. Synthesis of α,α,α -Trisubstituted Amine via an Enantioselective Addition of Diorganozinc Reagents. Presented at the 4^e symposium international de synthèse organique de l'Université de Montréal (SISOUM), Montreal, QC, Apr. 28-29, 2005; **Poster**.
150. Lemire, A.; Beaudoin, D.; Charette, A. B. Asymmetric Synthesis of *trans*-2-Substituted 3-Amino- and 3-Hydroxy-1,2,3,6-Tetrahydropyridines and of Tetrahydropyrroloimidazoles. Presented at the 229th ACS National Meeting, San Diego, CA, Mar. 13-17, 2005; **Oral**.
149. Moreau, B.; Charette, A. B. Expedient Synthesis of Cyclopropyl Amino Acids. Presented at the 229th ACS National Meeting, San Diego, CA, Mar. 13-17, 2005; **Oral**.
148. Mathieu, S.; Charette, A. B. Diastereoselective Synthesis of 1,2,3-Substituted Potassium Cyclopropyl Trifluoroborates via an Unusual Zinc-Boron Exchange. Presented at the 229th ACS National Meeting, San Diego, CA, Mar. 13-17, 2005; **Poster**.
147. Mathieu, S.; Charette, A. B. Expedient Synthesis of (±)-Tetraoponerine-4. Presented at the 229th ACS National Meeting, San Diego, CA, Mar. 13-17, 2005; **Poster**.
146. Côté, A.; Charette, A. B. Multicomponent Procedure for the Catalytic Enantioselective Synthesis of Free α -Chiral Amines from Aldehydes. Presented at the 229th ACS National Meeting, San Diego, CA, Mar. 13-17, 2005; **Oral**.
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2004

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142. Cloarec, J.-M.; Charette, A. B. Highly Efficient Two-Step Synthesis of C-sp³ Centered Geminal Diiodides. Presented at the 15th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Ottawa, ON, Nov. 5-7, 2004; **Poster**

141. Lauzon, C.; Charette, A. B. Synthesis of α,α,α -Trisubstituted Amines via an Enantioselective Addition of Diorganozinc Reagents. Presented at the 15th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Ottawa, ON, Nov. 5-7, 2004; **Poster**.

140. Mathieu, S., Charette, A. B. Diastereoselective Synthesis of 1,2,3-Substituted Potassium Cyclopropyl Trifluoroborates via an Unusual Zinc-Boron Exchange. Presented at the 15th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Ottawa, ON, Nov. 5-7, 2004; **Poster**.

139. Janes, M. K.; Charette, A. B. Catalytic Asymmetric Cyclopropanation Using Diazomethane. Presented at the 15th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Ottawa, ON, Nov. 5-7, 2004; **Poster**.

138. Nolet, S.; Charette, A. B. Synthesis of 1,2,3-Substituted Cyclopropanes by Suzuki Cross-Coupling. Presented at the North East Regional Meeting (NERM), Rochester, NY, Nov. 1-2, 2004; **Oral**.

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135. Bonnaventure, I.; Charette, A. B. Synthesis of Monophosphine Ligands. Presented at the North East Regional Meeting (NERM), Rochester, NY, Nov. 1-2, 2004; **Poster**.

134. Janes, M. K.; Lebel, H.; Charette, A. B. Copper•Bis(oxazoline)-Catalyzed Enantioselective Cyclopropanation of Alkenes Using Diazomethane. Presented at the 228th ACS National Meeting, Philadelphia, PA, Aug. 22-26, 2004; **Oral**.

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132. Legault, C.; Charette, A. B. Catalytic Asymmetric Hydrogenation of *N*-Iminopyridinium Ylides: Rapid Access to Enantioenriched Piperidines. Presented at the 228th ACS National Meeting, Philadelphia, PA, Aug. 22-26, 2004; **Oral**.

131. Legault, C.; Charette, A. B. Theoretical Study of the Origin of Regioselectivity of Nucleophilic Additions to 3-Substituted Pyridinium Ylides. Presented at the 228th ACS National Meeting, Philadelphia, PA, Aug. 22-26, 2004; **Poster**.

130. Larivée, A.; Charette, A. B. New Methodology Towards 2,5-Substituted Piperidines: Application to the Synthesis of an α -Adrenergic Receptor Agonist. Presented at the 228th ACS National Meeting, Philadelphia, PA, Aug. 22-26, 2004; **Oral**.

129. Moreau, B.; Charette, A. B. Total Synthesis of Coronafacic Acid via an Intramolecular Diels-Alder Reaction. Presented at the 228th ACS National Meeting, Philadelphia, PA, Aug. 22-26, 2004; **Oral**.

128. Focken, T.; Charette, A. B. Towards the Synthesis of Barrenazine A and B by Activation and Nucleophilic Addition to Protected 4-Hydroxypyridines. Presented at the Bayer Workshop, West Haven, CT, Jun. 11-13, 2004; **Poster**.
127. Cloarec, J.-M.; Charette, A. B. Synthesis of Compounds with Geminal Diiodides Centered on a sp^3 Carbon. Presented at the French-American Chemical Society Symposium (FACS X), Charleston, SC, Jun. 6-10, 2004; **Poster**.
126. Janes, M. K.; Lebel, H.; Charette, A. B.; Nolan, S. P. 'Unusual' N-Heterocyclic Carbene (NHC) Palladium Complexes Synthesized from Imidazolium Salts. Structure and Reactivity in Cross-Coupling Reactions. Presented at the 87th Canadian Chemistry Conference and Exhibition, London, ON, May 29-Jun. 1, 2004; **Oral**.
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124. Nolet, S.; Charette, A. B. Synthèse de cyclopropanes hautement fonctionnalisés par couplage de Suzuki. Presented at the 72^e Congrès de l'ACFAS, Montreal, QC, May 10-14, 2004; **Poster**.
123. Janes, M. K.; Lebel, H.; Charette, A. B.; Nolan, S. P. Découverte d'une nouvelle classe de complexes de carbènes N-hétérocycliques liés au palladium et applications en catalyse. Presented at the 72^e Congrès de l'ACFAS, Montreal, QC, May 10-14, 2004; **Poster**.
122. Côté, A.; Boezio, A. A.; Charette, A. B. Catalytic Asymmetric Addition of Diorganozinc Reagents to N-Phosphinoylalkylimines. Presented at the 227th ACS National Meeting, Anaheim, CA, Mar 28-Apr. 1, 2004; **Oral**.
121. Lemire, A.; Pourashraf, M.; Grenon, M.; Charette, A. B. Nucleophilic Addition to 3-Substituted Pyridinium Salts: Application to the Synthesis of (-)-L-733,061 and (-)-CP-99,994. Presented at the 227th ACS National Meeting, Anaheim, CA, Mar 28-Apr. 1, 2004; **Oral**.

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119. Janes, M. K.; Charette, A. B. Bis(oxazoline)•Copper (I) Catalytic Decomposition of Diazomethane for the Enantioselective Synthesis of Cyclopropylcinnamates. Presented at the 14th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Dec. 5-7, 2003; **Poster**.
118. Lemire, A.; Charette, A. B. New Methodology for Access to 2,6-Disubstituted-3-piperidinols: Total Synthesis of Julifloridine. Presented at the 14th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Dec. 5-7, 2003; **Poster**.
117. Larivée A.; Charette, A. B. New Methodology Towards 2,5-Substituted Piperidines: Application to the Synthesis of a α -Adrenergic Receptor Agonist. Presented at the 14th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Dec. 5-7, 2003; **Poster**.
116. Legault, C.; Charette, A. B. Efficient Synthesis of O-(2,4-Dinitrophenyl)hydroxylamine. Application to the Synthesis of Substituted N-Benzoyliminopyridinium Ylides. Presented at the 14th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Dec. 5-7, 2003; **Poster**.
115. Wurz, R. P.; Charette, A. B. An Expedient Method for the Preparation of a Diverse Series of Cyclopropane α -Amino Acids. Presented at the 14th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Dec. 5-7, 2003; **Poster**.
114. Cloarec, J.-M.; Charette, A. B. Synthesis of Compounds with Geminal Diiodides Centered on a sp^3 Carbon. Presented at the 14th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Dec. 5-7, 2003; **Poster**.

113. Côté, A.; Boezio, A. A.; Charette, A. B. Asymmetric Catalytic Addition of Diorganozinc Reagents to *N*-Phosphinoylalkylimines. Presented at the 14th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Montreal, QC, Dec. 5-7, 2003; **Poster**.
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110. Moreau, B.; Charette, A. B. Towards the Enantioselective Synthesis of Coronafacic Acid via Asymmetric Intramolecular Diels-Alder Reaction. Presented at the 39th IUPAC Congress/86th CSC Conference, Ottawa, ON, Aug. 10-15, 2003; **Oral**.
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108. Fournier, J.-F.; Charette, A. B. First Experimental Evidence for the Rate Enhancement Effect of Zinc Iodide in Cyclopropanation Using Geminal Dizinc Carbenoids. Presented at the 12th International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS-12), Toronto, ON, Jul. 6-10, 2003; **Poster**.
107. Wurz, R. P.; Charette, A. B. An Expedient and Environmentally Friendly Method for the Synthesis of Cyclopropane α -Amino Acids. Presented at the 12th International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS-12), Toronto, ON, Jul. 6-10, 2003; **Poster**.
106. Lacasse, M.-C.; Charette, A. B. Expedient Preparation of Halogenocyclopropanes by Stereoselective Cyclopropanation of Electron-deficient Allylic Ethers. Presented at the 225th ACS National Meeting, New Orleans, LA, Mar. 22-27, 2003; **Oral**.
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96. Bouchard, J. E.; Charette, A. B. Nouvelle méthodologie de synthèse énantiosélective de cyclopropyl phosphonates. Presented at the 70^e Congrès de l'ACFAS, Québec, QC, May 13-17, 2002; **Oral**.
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93. Fournier, J.-F.; Charette, A. B. First Evidence for the Formation of a Geminal Dizinc Carbenoid: a Highly Stereoselective Synthesis of 1,2,3-Substituted Cyclopropanes. Presented at the 3^e symposium international en synthèse organique et organométallique de l'Université de Montréal (SISOUM), Montréal, QC, May 2-4, 2002; **Oral**.
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91. Wurz, R. P.; Charette, A. B. An Efficient Diazo Transfer for the Preparation of α -Nitro- α -Diazocarbonyls: Applications in Cyclopropanations and O-H Insertions. Presented at the 223rd ACS National Meeting, Orlando, FL, Apr. 7-11, 2002; **Oral**.
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89. Molinaro, C.; Charette, A. B. Stability, Reactivity, Solution and Solid-State Structure of Halomethylzinc Alkoxides. Presented at the 223rd ACS National Meeting, Orlando, FL, Apr. 7-11, 2002; **Oral**.

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86. Lacasse, M.-C.; Charette, A. B. Diastereoselective Cyclopropanation of Allylic Ethers: Easy Access to anti-Cyclopropyl Alcohol Derivatives. Presented at the 12th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Orford, QC, Nov. 9-11, 2001; **Poster**.
85. Bouchard, J. E.; Charette, A. B. Synthèse énantiosélective de cyclopropylphosphonates. Presented at the 12th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Orford, QC, Nov. 9-11, 2001; **Poster**.
84. Legault, C.; Charette, A. B. Highly Regioselective Nucleophilic Additions to Pyridinium Ylides: Application to the Syntheses of (\pm)-Coniine and (\pm)-D-Coniceine. Presented at the 12th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Orford, QC, Nov. 9-11, 2001; **Poster**.

83. Francoeur S.; Charette, A. B. Preparation of Protected α -Hydroxy Ketones from Acyl Chlorides: New Applications of Acyloxymethyl Zinc Carbenoids. Presented at the 12th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Orford, QC, Nov. 9-11, 2001; **Poster**.
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73. Lemire, A.; Grenon, M.; Charette, A. B. Addition régio- et diastéréosélective de nucléophiles fonctionnalisés sur un sel de pyridinium chiral : synthèse formelle de l'acide pipécolique. Presented at the 69^e Congrès de l'ACFAS, Sherbrooke, QC, May 14-17, 2001; **Poster**.
72. St-Martin, D.; Berthelette, C.; Paquin, I.; Charette, A. B. Synthèse d'alcools allyliques via l'oléfination de Julia. Presented at the 69^e Congrès de l'ACFAS, Sherbrooke, QC, May 14-17, 2001; **Poster**.

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68. Jolicoeur, É.; Bydlinski, G. A. S.; Charette, A. B. Enantioselective Synthesis of Spiropentanes from Hydroxymethylallenes: Applications Towards the Synthesis of (+)-Spiropentylacetic Acid. Presented at the 11th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Toronto, ON, Nov. 10-12, 2000; **Poster**.

67. St-Martin, D.; Paquin, I.; Lebel, H.; Charette, A. B. New Applications of the Julia Olefination in Organic Synthesis. Presented at the 11th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBQC), Toronto, ON, Nov. 10-12, 2000; **Poster**.
66. Boezio, A. A.; Janes, M. K.; Charette, A. B. Use of Soluble Polystyrene Supported Triarylphosphine Applied to the Mitsunobu Reaction. Presented at the 13^e Entretiens Jacques Cartier, Montreal, QC, Oct. 3-6, 2000; **Poster**.
65. Boezio, A. A.; Janes, M. K.; Charette, A. B. Development and Application of Soluble Polystyrene Triphenylphosphine Reagent. Presented at the 13^e Entretiens Jacques Cartier, Montreal, QC, Oct. 3-6, 2000; **Poster**.
64. Boezio, A. A.; Janes, M. K.; Charette, A. B. Use of Soluble Polystyrene Supported Triarylphosphine Applied to the Mitsunobu Reaction. Presented at the 220th ACS National Meeting, Washington, DC, Aug. 20-24, 2000; **Oral**.
63. Boezio, A. A.; Charette, A. B. Development and Application of Soluble Polystyrene Triphenylphosphine Reagent. Presented at the 220th ACS National Meeting, Washington, DC, Aug. 20-24, 2000; **Oral**.
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60. Jolicoeur, É.; Bydlinski, G.; Charette, A. B. Synthèse énantiosélective de spiropentanes par cyclopropanation d'hydroxyméthylallènes et application à la synthèse de l'acide spiropentylacétique. Presented at the 68^e Congrès de l'ACFAS, Montreal, QC, May 15-19, 2000; **Poster**.
59. Paquin, I.; Charette, A. B. Oléfination de type S. Julia pour la synthèse d'esters α,β -insaturés et d'alcool allylique. Presented at the 68^e Congrès de l'ACFAS, Montreal, QC, May 15-19, 2000; **Poster**.
58. Moreau, N.; Charette, A. B. Stratégies visant la formation d'acides aminés non naturels. Presented at the 68^e Congrès de l'ACFAS, Montreal, QC, May 15-19, 2000; **Poster**.
57. Proulx, M.; Charette, A. B. Vers la synthèse énantiosélective de la (-)-coronatine. Presented at the 68^e Congrès de l'ACFAS, Montreal, QC, May 15-19, 2000; **Poster**.
56. Francoeur, S.; Martel, J.; Wilb, N.; Charette, A. B. New Family of Zinc Carbenoids for the Cyclopropanation Reaction: Reactivity and Stability Studies of Different Zinc Phenoxide Carbenoids. Presented at the 219th ACS National Meeting, San Francisco, CA, Mar. 26-30, 2000; **Oral**.
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49. Molinaro, C.; Charette, A. B. Progress Toward the Mechanistic Elucidation of the Dioxaborolane Mediated Enantioselective Cyclopropanation of Allylic Alcohols. Presented at the 82nd Canadian Chemistry Conference and Exhibition, Toronto, ON, May 31-Jun. 5, 1999; **Oral**.
48. Grenon, M.; Charette, A. B. Nouvelle méthodologie de synthèse d'amidine via l'activation électrophile d'amide avec Tf₂O. Presented at the 67^e Congrès de l'ACFAS, Ottawa, ON, May 10-14, 1999; **Poster**.
47. Anctil, É.; Charette, A. B. Nouvelle approche vers la synthèse stéréosélective des sphingofongines et composés analogues. Presented at the 67^e Congrès de l'ACFAS, Ottawa, ON, May 10-14, 1999; **Poster**.
46. Gagnon, A.; Charette, A. B. Enantioselective Synthesis of O-Protected 1,1-Disubstituted 1,2-Amino Alcohols by Titanium-promoted Double Nucleophilic Addition on O-Protected Cyanohydrins. Presented at the 217th ACS National Meeting, Anaheim, CA, Mar. 21-25, 1999; **Oral**.

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44. Beauchemin, A.; Charette, A. B. Nouvelle méthode photochimique permettant l'obtention d'organozinc. Presented at the 65^e Congrès de l'ACFAS, Trois-Rivières, QC, May 12-16, 1997; **Poster**.
43. Chua, P.; Charette, A. B. A Mild Conversion of Amides to Esters Using Triflic Anhydride and Pyridine. Presented at the 213th ACS National Meeting, San Francisco, CA, Apr. 13-17, 1997; **Oral**.
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38. Lemay, J.; Charette, A. B. Cyclopropanations énantio- et diastéréosélectives d'alcools allyliques avec des réactifs iodoalkylzinc substitués. Presented at the 64^e Congrès de l'ACFAS, Montreal, QC, May, 13-17, 1996; **Poster**.

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35. Marcoux, J.-F.; Charette, A. B. Spectroscopic Characterization of Iodomethylzinc Reagents Involved in the Stereoselective Simmons-Smith Reaction: Application Towards the Cyclopropanation of Olefins. Presented at the 210th ACS National Meeting, Chicago, IL, Aug. 20-24, 1995; **Oral**.

34. Motamedi, M.; Charette, A. B. A New Chiral Auxiliary for the Aldol and Hetero-Diels-Alder Reactions of the α -Alkoxy Aldehydes. Presented at the 78th Canadian Chemistry Conference and Exhibition, Guelph, ON, May 28-June 1, 1995; **Oral**.
33. Naud, J.; Charette, A. B. Méthodologie d'ouverture régiosélective d'unités cyclopropylméthanes et synthèse de la chaîne en C₆ de l'acide zaragozique C. Presented at the 63^e Congrès de l'ACFAS, Chicoutimi, QC, May, 22-26, 1995; **Poster**.
32. Motamedi, M.; Charette, A. B. Auxiliaire chiral pour les réaction d'aldol et d'hétéro-Diels-Alder. Presented at the 63^e Congrès de l'ACFAS, Chicoutimi, QC, May, 22-26, 1995; **Poster**.
31. Brochu, C.; Charette, A. B. Vers le développement d'un système catalytique pour la cyclopropanation énantiosélective d'alcools allyliques. Presented at the 63^e Congrès de l'ACFAS, Chicoutimi, QC, May, 22-26, 1995; **Poster**.

1994

30. Prescott, S.; Charette, A. B. Relative Directing Ability of Functional Groups in the Simmons-Smith Cyclopropanation of Allylic Alcohols. Presented at the 5th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Toronto, ON, Oct. 15-16, 1994; **Poster**.
29. Deschênes, D.; Charette, A. B. Enantioselective Cyclopropanation of Vinylsilanes and Stannanes. Presented at the 5th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Toronto, ON, Oct. 15-16, 1994; **Poster**.
28. Lebel, H.; Charette, A. B. Relative Stereocontrol in the Cyclopropanation of Chiral Allylic Alcohol. Presented at the 5th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Toronto, ON, Oct. 15-16, 1994; **Poster**.
27. Juteau, H.; Charette, A. B. Enantioselective Cyclopropanation of Allylic Alcohols: Application to the Synthesis of (+)-Bicyclohumulone. Presented at the 5th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Toronto, ON, Oct. 15-16, 1994; **Poster**.
26. Charette, A. B. Vers le développement d'un catalyseur chiral pour la réaction de cyclopropanation de Simmons-Smith. Presented at the 62^e Congrès de l'ACFAS, Montreal, QC, May 16-20, 1994; **Poster**.
25. Juteau, H.; Charette, A. B. Nouveau réactif chiral pour la cyclopropanation énantiosélective d'alcools allyliques. Presented at the 62^e Congrès de l'ACFAS, Montreal, QC, May 16-20, 1994; **Poster**.
24. Deschênes, D.; Charette, A. B. Cyclopropanation de vinyles silanes et stannanes. Presented at the 62^e Congrès de l'ACFAS, Montreal, QC, May 16-20, 1994; **Poster**.
23. Prescott, S.; Charette, A. B. Nouvel inhibiteur du VIH. Presented at the 62^e Congrès de l'ACFAS, Montreal, QC, May 16-20, 1994; **Poster**.

1993

22. Juteau, H.; Charette, A. B. Design of Bifunctional Chiral Ligands: First Efficient Chiral Reagent for the Enantioselective Simmons-Smith Cyclopropanation Reaction. Presented at the 4th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Ottawa, ON, Oct. 30-31, 1993; **Poster**.
21. Côté, B.; Charette, A. B. Enantioselective Synthesis of Cyclopropane α -Amino Acids. Presented at the 4th Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOC), Ottawa, ON, Oct. 30-31, 1993; **Poster**.
20. Côté, B.; Charette, A. B. Enantioselective Synthesis of Cyclopropane α -Amino Acids. Presented at the 4th International Symposium on Chiral Discrimination, Montreal, QC, Sep. 19-22, 1993; **Poster**.
19. Marcoux, J.-F.; Charette, A. B. Asymmetric Cyclopropanation of Allylic Alcohols: A Mechanistic Study. Presented at the 4th International Symposium on Chiral Discrimination, Montreal, QC, Sep. 19-22, 1993; **Oral**.
18. Côté, B.; Charette, A. B. Stereoselective Synthesis of Cyclopropane α -Amino Acids. Presented at the 8th European Symposium on Organic Chemistry, Barcelona, Spain, Sep. 2, 1993; **Oral**

17. Mellon, C.; Charette, A. B. Addition nucléophile sur un α -alcoxy aldéhyde protégé sous forme d'une 2-benzyloxytétrahydropyranyle. Presented at the 61^e Congrès de l'ACFAS, Rimouski, QC, May 17-21, 1993; **Poster**.

1992

16. Côté, B.; Charette, A. B. Utilisation des hydrates de carbone comme auxiliaires chiraux dans la réaction d'époxidation asymétrique d'alcools allyliques protégés. Presented at the 60^e Congrès de l'ACFAS, Montreal, QC, May 11-15, 1992; **Poster**.
15. Marcoux, J.-F.; Charette, A. B. Cyclopropanation asymétrique d'alcools allyliques : exigences structurales minimales de l'auxiliaire chiral. Presented at the 60^e Congrès de l'ACFAS, Montreal, QC, May 11-15, 1992; **Poster**.
14. Charette, A. B. New Chiral Auxiliary for the Stereoselective Nucleophilic Addition to α -Alkoxy Aldehydes. Presented at the 203rd ACS National Meeting, San Francisco, CA, Apr. 5-10, 1992; **Oral**.

1991

13. Charette, A. B. New Chiral Auxiliary for the Stereoselective Nucleophilic Addition to α -Alkoxy Aldehydes. Presented at the 2nd Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOS), Montreal, QC, Oct. 25, 1991; **Poster**.
12. Charette, A. B. Carbohydrates as Chiral Auxiliaries: Asymmetric Simmons-Smith Cyclopropanation Reaction of Acyclic Olefins. Presented at the 6th IUPAC Symposium on Organometallic Chemistry, Utrecht, Netherlands, Aug. 26, 1991; **Oral**.
11. Rouillard, L.; Charette, A. B. Groupes protecteurs chiraux : addition de nucléophiles sur des α -alcoxyaldéhydes. Presented at the 59^e Congrès de l'ACFAS, Sherbrooke, QC, May, 21-24, 1991; **Poster**.
10. Marcoux, J.-F.; Charette, A. B. Synthèse de 2-hydroxyglucopyranosides. Presented at the 59^e Congrès de l'ACFAS, Sherbrooke, QC, May, 21-24, 1991; **Poster**.
9. Malenfant, É.; Charette, A. B. Génération de benzyne à partir de triflates d'aryle. Presented at the 59^e Congrès de l'ACFAS, Sherbrooke, QC, May, 21-24, 1991; **Poster**.
8. Côté, B.; Charette, A. B. Utilisation des hydrates de carbone comme auxiliaires chiraux : cyclopropanations hautement diastéréosélectives. Presented at the 59^e Congrès de l'ACFAS, Sherbrooke, QC, May, 21-24, 1991; **Poster**.
7. Charette, A. B. Utilisation des hydrates de carbone comme auxiliaires chiraux en synthèse asymétrique. Presented at the 59^e Congrès de l'ACFAS, Sherbrooke, QC, May, 21-24, 1991; **Poster**.

<1990

6. Charette, A. B. Asymmetric Cyclopropanation of Allylic Alcohols. Presented at the 1st Québec-Ontario Minisymposium in Synthetic and Bio-Organic Chemistry (QOMSBOS), Toronto, ON, Oct. 20, 1990; **Poster**.
5. Côté, B.; Charette, A. B. Utilisation des hydrates de carbone comme auxiliaires chiraux : cyclopropanation hautement diastéréosélective d'alcools allyliques protégés. Presented at the 58^e Congrès de l'ACFAS, Quebec City, QC, May 14-18, 1990; **Poster**.
4. Carreira, E. M.; Charette, A. B.; Gauchet, J. A.; Evans, D. A. Approaches to the Synthesis of the Antineoplastic Macrolide Bryostatins. Presented at the 197th ACS National Meeting, Dallas, TX, Apr. 9-14, 1989; **Oral**.
3. Carreira, E. M.; Charette, A. B.; Gauchet, J. A.; Evans, D. A. Approach Towards the Synthesis of Bryostatins 1. Presented at the 196th ACS National Meeting, Los Angeles, CA, Sep. 25-30, 1988; **Oral**.
2. Charette, A. B.; Asberom, T.; Johnston, B. H.; Boeckman, R. K. Jr. A Convergent General Synthetic Protocol for Construction of Spirocyclic Ketal Ionophores: An Application to the Total Synthesis of (-)-A-23187 (Calcimycin). Presented at the 194th ACS National Meeting, New Orleans, LA, Aug. 30-Sep. 4, 1987; **Oral**.

1. Charette, A. B.; Asberom, T.; Johnston, B. H.; Boeckman, R. K. Jr. Total Synthesis of Ionophore Antibiotic A-23187 (Calcimycin). Presented at the 5th Chemistry Graduate Students' Symposium, Buffalo, NY, May 22, 1987; Oral.

PROFESSIONAL ACTIVITIES

▼ Industrial Consultations

▼ Yearly Consultations

Galderma R&D – 2010-2013
Boehringer Ingelheim (Canada) Ltd. – 1999-2012
Genentech Inc. – 2012
Santai Labs Inc. – 2011-2012
SoluPhase Inc. – 2007-2010
Infinity Pharmaceuticals Inc. – 2005-2006
MIGENIX Inc. (Scientific Advisory Board Member) – 2003-2004
Teratechnologies Inc. – 2001-2002
Silicycle Inc. (Scientific Advisory Board Member) – 1998-2001
BP/Amoco – 1999-2000

▼ One-Time Consultations

Merck & Co., Rahway, NJ – 2016
Janssen R&D, Val de Reuil, France – 2015
Oril Industrie (Servier), Bolbec, France – 2015
OmegaChem, Quebec City, QC – 2015
Pfizer, Groton, CT – 2014
Bayer S.A.S., Lyon, France – 2013
Novartis Pharma AG, Basel, Switzerland – 2013
Gilead Sciences Inc., Foster City, CA – 2012
Theravance Inc., South San Francisco, CA – 2012
Alphora Research Inc., Mississauga, ON – 2011
Lundbeck Research USA Inc., Paramus, NJ – 2011
Galderma R&D, Sofia-Antipolis, France – 2010
Johnson & Johnson PRD, San Diego, CA – 2010
Sepracor Inc., Marlborough, MA – 2009
Merck & Co., Rahway, NJ – 2009
Pfizer Inc., Groton, CT – 2008
Amgen Inc., Cambridge, MA – 2008
Hoffmann-La Roche Inc., Nutley, NJ – 2008
Amgen Inc., Thousand Oaks, CA – 2007
Genentech Inc., San Francisco, CA – 2007
Bristol-Myers Squibb Co., New Brunswick, NJ – 2007
Merck & Co., West Point, PA – 2006
Gilead Sciences Inc., Foster City, CA – 2005
Cintech Agroalimentaire, Ste-Hyacinthe, QC – 2004
Boehringer Ingelheim Pharma GmbH, Biberach, Germany – 2004
Serono Reproductive Biology Institute, Rockland, MA – 2003
Boehringer Ingelheim Austria GmbH, Vienna, Austria – 2002
AnorMED Inc., Burnaby, BC – 2002
Merck & Co., Rahway, NJ – 2001

▼ Consultations as Expert Witness in a Court Case

Gowling Lafleur Henderson LLP Law Firm, Toronto, ON – 2011-2012

Smart & Biggar Fetherstonhaugh Law Firm, Toronto, ON – 2006-2009, 2013
Ogilvy-Renaud S.E.N.C.R.L., s.r.l. Law Firm, Montreal, QC – 2004-2006

▼ Editorial Committees

Member of the Advisory Editorial Board, *J. Org. Chem.* – 2015-
Member of the Editorial Board, *Encyclopedia of Reagents for Organic Synthesis (e-EROS)* – 2009-
Volume Editor, *Handbook of Reagents for Organic Synthesis (HROS)* – 2015, 2017
Member of the Advisory Editorial Board, *Synlett, Synthesis* – 2009-2013
Member of the Advisory Editorial Board, *Org. Biomol. Chem.* – 2002-2006
Member of the Board of Editors, *Organic Reactions* – 2001-2013
Volume Editor, *Science of Synthesis*, Vol. 22 – 2001-2005
Associate Editor, *Can. J. Chem.* (French Edition, Organic Chemistry) – 1997-2009
Associate Editor, *Molecules Online*, Springer-Verlag – 1997-1999

▼ Organizing Committees

Organizer, 7th CGCC Annual Conference, Univ. Montréal (Montreal, QC) – 2016
Organizing Co-Chair, 3rd International Symposium on C–H Activation, Univ. Montréal (Montreal, QC) – 2016
Organizer, 4th CGCC Annual Conference, Univ. Montréal (Montreal, QC) – 2012
Symposium Organizer, 80^e Congrès de l'ACFAS (Montreal, QC) – 2012
Organizer, 3rd CGCC Annual Conference, Univ. Laval (Quebec City, QC) – 2011
Symposium Organizer, 94th CSC Conference (Montreal, QC) – 2011
Technical Program Organizer, Pacifichem (Honolulu, HI) – 2010
Organizer, 2nd CGCC Annual Conference, McGill Univ. (Montreal, QC) – 2010
Symposium Organizer, 78^e Congrès de l'ACFAS (Montreal, QC) – 2010
Organizer, 1st CGCC Annual Conference, Univ. Montréal (Montreal, QC) – 2009
Organizer, 15^e Entretiens du Centre Jacques Cartier (Lyon, France) – 2002
Organic Division Organizer, 84th CSC Conference (Montreal, QC) – 2001
Member of the Executive Committee, CSC Organic Chemistry Division – 1999-2003
Symposium Organizer, Pacifichem (Honolulu, HI) – 2000
Organizer, 13^e Entretiens du Centre Jacques Cartier (Montreal, QC) – 2000

▼ Evaluation Committees

AERES: Evaluation of UPR 2301 Research Center, ICSN, Gif-sur-Yvette, France – Jan. 2009
AERES: Evaluation of 4 CNRS Research Centers, Univ. Paris VI, Paris, France – Jan. 2008
NSERC Circle: Evaluation of Funding Allocation System for Chemistry, Edmonton, AB – Oct. 2001
NSERC (Collaborative R&D Grants): On-Site Visit, York Univ., Toronto, ON – Jun. 2006

▼ Selection Committees

Advisory Committee on University-Industry Grants, NSERC – 2010-2013
Prix Marie-Victorin, Government of Québec – 2010-2011
Prix Urgel-Archambault, ACFAS – 2009
Election of New Fellows, Academy of Science, Royal Society of Canada – 2008-2009
Excellence in Chemistry Award, AstraZeneca – 2007
Thieme/IUPAC Prize in Synthetic Organic Chemistry – 2006, 2012
Gerhard Herzberg Gold Medal, NSERC – 2006
International Science and Technology Center, NSERC – 2005
Senior Research Fellowship, Croucher Foundation (Hong Kong) – 2005
Competitive Earmarked Research Grant, Research Grant Council (Hong Kong) – 2005
E.W.R. Steacie Fellowship, NSERC – 2004-2005
Alfred Bader Award, CSC – 2004
Ichikizaki Fund for Young Chemists, CSC – 2003
New Opportunities Fund, CFI – 2002
FQRNT Grant – 2001-2003

Cottrell Scholar Award, Research Corporation (USA) – 2000-2002

Canada Research Chair, NSERC – 2000-2001

NSERC Grant (Committe 024) – 1999-2002

FCAR Action Concertée Grant (Combinatorial Chemistry) – 1998

FCAR Équipe Grant – 1994-1995, 2002

FCAR Grant – 1993-1994, 1998-1999

▼ Departmental Administrative Committees

Director, Predoctoral Comprehensive Examination (Organic Chemistry Section) – 2016-

Organizer, Conference Program in Organic Chemistry – 1992-1997, 2003-2013

Member, Organic Faculty Promotion Committee – 1996-2013

President, NMR Laboratory Committee – 2005-2013

Member, Evaluation Committee of the Department of Chemistry – 2003-2005

Member, Selection Committee for the Nomination of a New Chemistry Chair (CONODIR) – 2001-2002

Manager, Laboratory of Elemental Analysis – 1996-1999

▼ Jury Memberships

▼ Ph.D. Thesis (49)

Jury President, Michael Raymond, Univ. Montréal, Montreal, QC – 2016

Jury President, Johan Bartholomëus, Univ. Montréal, Montreal, QC – 2016

Jury President, Henri Piras, Univ. Montréal, Montreal, QC – 2016

External Examiner, Takahito Kasahara, Univ. British Columbia, Vancouver, BC – 2015

External Examiner, Jean-Baptiste Rouchet, INSA-Rouen, Rouen, France – 2015

External Examiner, Frady Gouany, Univ. Canberra, Canberra, Australia – 2015

External Examiner, Martin Pichette Drapeau, Univ. Laval, Quebec City, QC – 2015

External Examiner, Pauline Petiot, Univ. Québec à Montréal, Montreal, QC – 2015

External Examiner, Lei Zhang, Univ. Toronto, Toronto, ON – 2014

Jury Member, Michael Holtz-Mulholland, Univ. Montréal, Montreal, QC – 2014

Jury President, Étienne Chénard, Univ. Montréal, Montreal, QC – 2014

External Examiner, Pavel Ivashkin, INSA-Rouen, Rouen, France – 2013

External Examiner, Michael Tsimmerman, York Univ., Toronto, ON – 2013

Jury President, Alain Grandbois, Univ. Montréal, Montreal, QC – 2010

External Examiner, Zhiya Li, Univ. Laval, Quebec City, QC – 2010

External Examiner, Olivier Jacques Baslé, McGill Univ., Montreal, QC – 2009

External Examiner, Ashraf Wilsily, Univ. Waterloo, Waterloo, ON – 2009

External Examiner, Robin Larouche-Gauthier, Univ. Sherbrooke, Sherbrooke, QC – 2009

Jury President, Michael Parmentier, Univ. Montréal, Montreal, QC – 2008

Jury President, Yassir El-Azizi, Univ. Montréal, Montreal, QC – 2008

External Examiner, Steve Arns, Univ. Ottawa, Ottawa, ON – 2008

Jury President, Kim Huard, Univ. Montréal, Montreal, QC – 2008

External Examiner, Étienne Nadeau, Univ. Laval, Quebec City, QC – 2007

Jury Member, Michel Prévost, Univ. Montréal, Montreal, QC – 2007

Jury President, Chela Ladjel, Univ. Montréal, Montreal, QC – 2007

Jury President, Alexandre Clavel, Univ. Montréal, Montreal, QC – 2007

External Examiner, Mark Scott, Univ. Toronto, Toronto, ON – 2007

Jury President, Sylvain Lectard, Univ. Montréal, Montreal, QC – 2007

External Examiner, Martin Pouliot, Univ. Laval, Quebec City, QC – 2006

External Examiner, Bakary-Barry Touré, Univ. Alberta, Edmonton, AB – 2004

External Examiner, Jeremy Wulff, Univ. Calgary, Calgary, AB – 2004

Jury Member, Jérôme Cluzeau, Univ. Montréal, Montreal, QC – 2004

Jury President, Fatima Helzy, Univ. Montréal, Montreal, QC – 2004

Jury President, Vincent Mascitti, Univ. Montréal, Montreal, QC – 2003

Jury President, Dominic Laliberté, Univ. Montréal, Montreal, QC – 2003

External Examiner, Robert Milburn, Queen's Univ., Kingston, ON – 2003
External Examiner, Jeffrey Michael Manthorpe, McGill Univ., Montreal, QC – 2003
Jury President, Laurent Bélec, Univ. Montréal, Montreal, QC – 2002
Jury President, Malken Bayraktarian, Univ. Montréal, Montreal, QC – 2002
Jury President, Éric Olivier, Univ. Montréal, Montreal, QC – 2002
Jury President, Nadia Malek, Univ. Montréal, Montreal, QC – 2001
Jury President, Joël Desharnais, Univ. Montréal, Montreal, QC – 2001
Jury Member, Éric Beausoleil, Univ. Montréal, Montreal, QC – 2000
Jury President, Louis-David Cantin, Univ. Montréal, Montreal, QC – 1999
Jury Member, Louis Vaillancourt, Univ. Montréal, Montreal, QC – 1997
Jury Member, Sacha Ninkovic, Univ. Montréal, Montreal, QC – 1996
Jury Member, Serge Benoît, Univ. Montréal, Montreal, QC – 1996
Jury President, Abselkrim Habi, Univ. Montréal, Montreal, QC – 1995
Jury President, Christian Girard, Univ. Montréal, Montreal, QC – 1994

▼ M.Sc. Thesis (36)

Jury President, Nicolas Levaray, Univ. Montréal, Montreal, QC – 2016
Jury President, Cendrella Maroun, Univ. Montréal, Montreal, QC – 2015
Jury Member, Anna Vasslova, Univ. Montréal, Montreal, QC – 2014
Jury President, Vu Linh Ly, Univ. Montréal, Montreal, QC – 2014
Jury President, Olivier St-Jean, Univ. Montréal, Montreal, QC – 2010
Jury President, Xiao Tian Wang, Univ. Montréal, Montreal, QC – 2009
Jury President, Jolaine Savoie, Univ. Montréal, Montreal, QC – 2009
Jury President, Ludivine Riber, Univ. Montréal, Montreal, QC – 2008
Jury President, Pierre-André Fournier, Univ. Montréal, Montreal, QC – 2007
Jury Member, Hassan Iden, Univ. Montréal, Montreal, QC – 2007
Jury President, Joseph Zakarian, Univ. Montréal, Montreal, QC – 2007
Jury President, Grzegorz Stoklosa, Univ. Montréal, Montreal, QC – 2005
Jury Member, Jean-François Brazeau, Univ. Montréal, Montreal, QC – 2005
Jury President, Danielle Guay, Univ. Montréal, Montreal, QC – 2005
Jury President, Guillaume Jeannotte, Univ. Montréal, Montreal, QC – 2004
Jury President, Jie Shi, Univ. Montréal, Montreal, QC – 2003
Jury Member, Benoît Cardinal-David, Univ. Montréal, Montreal, QC – 2003
Jury President, Jean-Sébastien Mailloux, Univ. Montréal, Montreal, QC – 2003
Jury Member, Dominic Herbart, Univ. Montréal, Montreal, QC – 2002
Jury President, Lijie Zhan, Univ. Montréal, Montreal, QC – 2002
Jury President, Karine Houde, Univ. Montréal, Montreal, QC – 2001
Jury President, Kenza Dairi, Univ. Montréal, Montreal, QC – 2001
Jury Member, Gerson Gonzales, Univ. Montréal, Montreal, QC – 2000
Jury President, Simon Roy, Univ. Montréal, Montreal, QC – 2000
Jury President, Noemy Berstein, Univ. Montréal, Montreal, QC – 1999
Jury Member, Sophie Perrin, Univ. Montréal, Montreal, QC – 1997
Jury Member, Benoît L'Archevêque, Univ. Montréal, Montreal, QC – 1996
Jury President, Tanya Boutros, Univ. Montréal, Montreal, QC – 1995
Jury President, Issam El-Hajj, Univ. Montréal, Montreal, QC – 1995
Jury Member, Hélène Gagnon, Univ. Montréal, Montreal, QC – 1995
Jury Member, Nadia Malek, Univ. Montréal, Montreal, QC – 1995
Jury Member, Jose Juan Conde, Univ. Montréal, Montreal, QC – 1994
Jury President, Jamila Jennane, Univ. Montréal, Montreal, QC – 1994
Jury Member, Pierre Kary, Univ. Montréal, Montreal, QC – 1994
Jury President, Laurence Vergniol, Univ. Montréal, Montreal, QC – 1994
Jury President, Wanren Li, Univ. Montréal, Montreal, QC – 1993

COURSE ASSIGNMENTS

▼ Courses at Université de Montréal

▼ Graduate Courses

CHM 6315–Stereoselective Synthesis – 1996-

CHM 6310–Stereoselective Synthesis – 1994-1995

▼ Undergraduate Courses

CHM 3320–Methods in Organic Synthesis – 2002-2014

CHM 1312–Organic Chemistry 1B – 1994-2000

CHM 2310–Identification of Organic Substances – 1993-1999

CHM 3550–Research Project – 1996

CHM 2310–Identification of Organic Substances – 1993-1995

CHM 2310–Identification of Organic Substances – 1993

CHM 1977–Laboratory Sessions – 1993

▼ Courses for Pharmaceutical Industry

OmegaChem Inc., Quebec City, QC – Nov. 2014

Selected Recent Developments in Cross-Coupling Reactions of Heterocycles [2 days]

Galderma R&D, Sofia-Antipolis, France – Nov. 2010

Nouveaux développements récents dans le domaine des réactions de couplage [1/2 day]

Xenon Pharmaceuticals Inc., Burnaby, BC – Oct. 2007

Stereoselective Synthesis of Organic Compounds [1 day]

MethylGene Inc., Montreal, QC – May 2002

Recent Developments in Stereoselective C-C Bond Forming Reactions [1 day]

Boehringer Ingelheim (Canada) Ltd., Laval, QC – May 2001

Recent Developments in Stereoselective C-C Bond Forming Reactions [2 days]

TRAINING OF HIGHLY QUALIFIED PERSONNEL

▼ Current Members

▼ Postdoctoral Fellows (1)

BOS, Maxence – 2017/01-Present

🔗 Synthesis of Methylfluorated Cyclopropane Derivatives.

▼ Ph.D. Students (6)

SAYES, Morgane – 2015/09-Present

🔗 Peptide Synthesis in Continuous Flow.

ALLOUCHE, Emmanuelle – 2014/09-Present

🔗 Palladium Catalyzed Derivatization of halocyclopropane compounds by Activation of C–H Bonds.

SIDDIQUI, Saher Hasan – 2014/09-Present

🔗 Synthesis and Reactions of Rhodium Diketopiperazine Complexes.

LADD, Carolyn – 2013/09-Present

🔗 Direct Intramolecular Direct Functionalization of Cyclopropanes via Metal Catalysis.

BENOIT, Guillaume – 2013/09-Present

🔗 Functionalization of Substituted Cyclopropane Derivatives.

TAILLEMAUD, Sylvain – 2012/09-Present

 Development of a Highly Enantioselective Simmons-Smith Bromocyclopropanation Reaction.

▼ **M.Sc. Students (3)**


SAINT-JACQUES, Kévin – 2017/01-Present

 Intramolecular C–H Functionalization of Cyclopropanes to Access 7-Membered Ring Heterocycles.

DIERCXSENS, Nicolas – 2015/01-Present

 Synthesis of Trifluoromethylacetons by Electrophilic Activation of Amides and Applications in Total and Continuous Flow Synthesis.

DAUPHINAIS, Maxime – 2014/01-Present

 Expansion of the Mitsunobu Reaction Using a New Versatile Reagent.

▼ **Former Members**

▼ **Postdoctoral Fellows (42)**

DELION, Laëtitia – 2016/01-2016/12

 N/A.

RULLIÈRE, Pauline – 2014/12-2016/12

 Postdoctoral Appointment, Fondation ARC pour la recherche sur le cancer. Villejuif, France.

ROUCHET, Jean-Baptiste – 2015/11-2016/10

 IntelliSyn R&D (St-Laurent, QC): Research Scientist (2016-)

ASPIN, Samuel – 2014/03-2015/06

 Brewery Nomade (Genas, France): Owner (2016-)


NAVULURI, Chandra – 2013/05-2015/06


 Sai Life Sciences (Hyderabad, India): Research Associate (2015-)

TAKAHASHI, Yoko – 2010/08-2013/10

 Novo Nordisk Pharma, (Tokyo, Japan): Medical Liaison (2014-)


ZIMBRON, Jeremy (Fellow of the Swiss National Fund) – 2012/03-2013-02


 Postdoctoral Appointment with Serge Thorimbert, Université Pierre et Marie Curie, Jussieu, France (2016-)

 Postdoctoral Appointment with Christophe Thomas, ParisTech, Paris, France (2014-2016)


SCHNEIDER, Jakob – 2010/11-2012-11

 Delmar Chemicals (LaSalle, QC): Process Supervisor (2015-); Process Research Scientist (2014-2015)


 Paraza Pharma (Laval, QC): Scientist (2014)


 OmegaChem (Quebec City, QC): Senior Research Scientist (2013-2014)

LEMIRE, Alexandre – 2009/04-2011/10


 Paraza Pharma (Laval, QC): Senior Research Scientist (2011-)

LEMONNIER, Gérald – 2009/01-2011-06

 Univ. Lyon (Lyon, France): Assistant Lecturer (ATER) (2015-)

 INSA-Rouen (Rouen, France): Research Associate (2012-2014)


ZEGHIDA, Walid (co-supervision) – 2010/04-2011/04

 Chanbéry (France): Research Scientist in Chemistry (2011-)


NICOLAS, Cyril – 2008/08-2010/06

 Université d'Orléans (Orléans, France): Associate Scientist CR2, Institut de Chimie Organique et Analytique (2010-)


BREITENLECHNER, Stefan (DFAIT Fellow) – 2008/09-2009/10

 Technische Univ. München (Munich, Germany): Research Assistant with Thorsten Bach (2009-)

BULL, James – 2007/01-2008/12

 Imperial College London (London, UK): Royal Society University Research Fellow (2016-); EPSERC Career Acceleration Fellow Research Associate (2011-2015); Ramsay Memorial Research Fellow (2009-2011)

OBLE, Julie – 2007/11-2008/08


 Univ. Pierre et Marie Curie (Jussieu, France): Assistant Professor (Maître de conférence) (2008-)


ALBERICO, Dino (NSERC Fellow) – 2006/05-2007/12


 Alphora Research (Mississauga, ON): Senior Research Scientist (2008-)

GINISTY, Maryon – 2006/04-2007/11

 Éco-Emballages (Paris, France): Engineer-in-Chief of Materials and Recycling (2011-)

 Syndicat Français des Enducteurs Calandriers (Paris, France): Technical Advisor for Recycling of PVC (2010-2011)

 Institut Pasteur (Paris, France): Medicinal Researcher (2009-2010)


 Postdoctoral Appointment with Angela Marinetti, Institut de Chimie des Substances Naturelles CNRS, Gif-sur-Yvette, France (2008-2009)

LIN, Wei – 2002/10-2007/03

 Latitude Pharma (San Diego, CA): Scientist Manager (2014-)

 A&C American Chemicals (Montreal, QC): Quality Control Scientist (2009-2014)

VOITURIEZ, Arnaud – 2004/11-2006/09


 Institut de Chimie des Substances Naturelles (Gif-sur-Yvette, France): CNRS Research Director DR2 (2016-); CNRS Research Associate CR1 (2011-2016), CNRS Research Associate CR2 (2007-2011)

 HDR Diploma (Habilitation), Institut de chimie des substances naturelles, Gif-sur-Yvette, France (2012)

 Postdoctoral Appointment with Fabrice Chemla, Univ. Pierre et Marie Curie, Jussieu, France (2006-2007)

KENDALL, Christopher – 2004/10-2006/06


 Ernst & Young (Montreal, QC): Manager (2011-)


 Insight (Montreal, QC): Accounts Payable Intern (2010)

 Wyeth (St-Laurent, QC): Senior Research Scientist I (2006-2010).


 Graduate Diploma in Accounting, McGill, Montreal, QC (2010-2011)


STAZI, Federica – 2005/01-2006/04

 Aptuit (Verona, Italy): Senior Scientist (2010-)


 GlaxoSmithKline (Verona, Italy): Senior Scientist (2006-2010)


BERTHOD, Mikaël (co-supervision) – 2005/02-2006/01

 Takreer Research Center, Takreer (United Arab Emirates): Vice-President,(2015-); Manager (2012-2015)

 Institut Français du Pétrole (Vernaison, France): Research Scientist,(2006-2012)

MOUNTFORD, David – 2005/01-2005/12


 King's College London (London, UK): Lecturer in Medicinal Chemistry (2009-)

 Cambridge Biotechnology (Cambridge, UK): Researcher (2006-2009)

POUPON, Jean-Christophe – 2002/07-2005/10

 Sundia MediTech Compagny (Shanghai, China): Senior Scientist (2006-)

FOCKEN, Thilo – 2003/11-2005/10

 Xenon Pharmaceuticals (Burnaby, BC): Senior Research Scientist (2014-); Research Scientist II (2010-2014)

 Postdoctoral Appointment with Stephen Hanessian, Univ. Montréal, Montreal, QC (2006-2010)


SALES, Marcelo – 2003/10-2005/10


 Univ. Saskatchewan (Saskatoon, SK): Laboratory Manager/Lecturer, Department of Chemistry (2009-)

 Naeja Pharmaceuticals (Edmonton, AB): Research Scientist (2005-2009)







BALDUZZI, Sonya – 2004/09-2005/08

 Gardiner Roberts LLP (Toronto, ON): Scientific Advisor (2010-)


 Ratiopharm (Toronto, ON): Patent Manager (2010)

 Apotex (Toronto, ON): Analytical Chemist (2007-2009)

LATASSA, Daniel – 2002/06-2003/12

-  SSE/Valsynthèse (Gamsen, Switzerland): R&D Chemist (2014-)
-  Teacher of Mathematics and Sciences throughout various schools in Swiss Normandy (2010-2014)
-  Lonza AG (Visp, Switzerland): Project Leader in Chemistry (2007-2010)
-  Polyphor (Allschwil, Switzerland): Project Leader in Chemistry (2004-2007)
-  Postdoctoral Appointment with Christian Bochet, Univ. Fribourg, Fribourg, Switzerland (2014)
-  Secondary I and II Pedagogy Diploma, Haute École de Pédagogie, Saint-Maurice, Switzerland (2011-2014)

PYTKOWICZ, Julien – 2002/11-2003/08

-  Univ. Cergy Pontoise (Neuville-sur-Oise, France): Assistant Professor (Maître de conférence), Laboratoire de synthèse organique sélective et chimie bioorganique (2004-)



POULARD, Cyril – 2001/11-2003/04

-  BGB Analytik AG (Geneva, Switzerland): General Manager (2013-); Product Manager (2008-2013)
-  Milian SA (Geneva, Switzerland): Business Development Manager (2004-2008)




SANCHEZ-SALVATORI, Maria (co-supervision) – 2001/11-2002/11

-  Postdoctoral Appointment with John Joule, Univ. of Manchester, Manchester, UK


SOLBERGHE, Geoffrey – 2001/10-2002/10

-  UCB Pharma (Brussels, Belgium): Associate Director, Pharma Industrialization/Center of Expertise/Commercial Product Support (2013-); Associate Director, Center of Expertise API (2010-2013); Outsourced CMO Manager (2009-2010); Process Improvement Group Leader (2005-2009)
-  Johnson & Johnson (Beerse, Belgium): Process Chemist (2003-2004)


POURASHRAF, Mehrnaz – 2000/01-2001/12

-  IntelliSyn R&D (St-Laurent, QC): Research Scientist (2014-)
-  StyroChem (Baie-d'Urfé, QC): Quality Control Chemist (2012)
-  AstraZeneca R&D Montréal (St-Laurent, QC): Research Scientist (2001-2012)



DGHAIM, Rania – 2000/09-2001/05

-  Zayed Univ. (Abu Dhabi, United Arab Emirates): Assistant Professor, Department of Natural Sciences and Public Health (2001-)

OLLEVIER, Thierry – 2000/01-2001/05

-  Univ. Laval (Quebec City, QC): Full Professor (2010-); Associate Professor (2006-2010); Assistant Professor (2001-2006)



WILB, Nicole – 1999/01-2001/05

-  Univ. Sherbrooke (Sherbrooke, QC): Advisor in Chemical Risk Management, Department of Chemistry, (2011-), Teaching Auxiliary (2008-2011)
-  Prometic BioSciences (Laval, QC): Research Scientist (2001-2008)


SAMETZ, Geoff – 1999/09-2000/09

-  Starks Associates (Buffalo, NY): Chemist (2001-).


RATEMI, Aref – 1997/09-2000/06

-  Jubail Industrial College (Jubail Industrial City, Saudi Arabia): Program Director; Industrial Chemistry, (2015-)
-  Enobia Pharma (Montreal, QC): Research Scientist (2000-2010)

BYDLINSKY, Gregory – 1997/08-1998/08

-  Delmar Chemicals (LaSalle, QC): Chemist and Business Development Manager (1998-)

SONNET, Pascal – 1997/10-1998/08

-  Univ. Picardie Jules Verne (Amiens, France): Professor in Therapeutic Chemistry, THERA Team, Laboratoire des Glucides, Faculty of Pharmacy, UMR-CNRS 6219 (1999-)


PEREIRA DE FREITAS-GIL, Rossimiriam – 1996/02-1997/02

-  Univ. Federal de Minas Gerais (Belo Horizonte, Brazil): Associate Professor, Department of Chemistry (1997-)


CADET, Laurence – 1994/11-1995/11


▼ Ph.D. Graduates (34)

LÉVESQUE, Éric (NSERC Fellow) – 2016

 [Prolam \(Montréal, QC\)](#): Research Scientist (2016-)


SCHULZ BECHARA, William (NSERC Fellow) – 2015

 [Vertex Canada \(Laval, QC\)](#): Research Scientist I (2016-)

 [FindMolecule \(Sherbrooke, QC\)](#): Director, Business Development (2015-2016)


SUSTAC ROMAN, Daniela (NSERC Fellow) – 2014

 Industrial Postdoctoral Appointment, BASF Schweiz AG, Basel, Switzerland (2016-)


 FRQNT Postdoctoral Appointment with P. Knochel, Ludwig-Maximilians-Univ., Munich, Germany (2015-2016).


PELLETIER, Guillaume (NSERC Fellow) – 2013

 [Paraza Pharma \(Laval, QC\)](#): Research Scientist (2016-)


 FRQNT Postdoctoral Appointment with Scott Miller, Yale Univ., New Haven, CT (2013-2015)


LINDSAY, Vincent (NSERC Fellow) – 2012


 [Univ. North Carolina \(Chapel Hill, NC\)](#): Assistant Professor (2016-)

 FRQNT Postdoctoral Appointment with Richmond Sarpong, Univ. California, Berkeley, CA (2013-2015)


BONHOMME-BEAULIEU, Louis-Philippe (NSERC Fellow) – 2012


 [OmegaChem \(Quebec City, QC\)](#): Senior Research Scientist (2013-2015)

 Ph.D. in Pharmacy, Univ. Laval, Quebec City, QC (2015-2019)

 Postdoctoral Appointment with John Pezacki, NRC Steacie Institute for Molecular Sciences, Ottawa, ON (2012-2013).


MOUSSEAU, James (NSERC Fellow) – 2011

 [Pfizer \(Groton, CT\)](#): Senior Scientist (2013-)


 NSERC Postdoctoral Fellowship with Timothy Jamison, MIT, Cambridge, MA (2011-2013)


GOUDREAU, Sébastien (NSERC Fellow) – 2010

 [UREkA \(Mulhouse, France\)](#): Research Director, ImmuPharma Group (2014-)

 [FindMolecule \(Sherbrooke, QC\)](#): President (2015-)


 [Paraza Pharma \(Laval, QC\)](#): Research Scientist (2013)


 [OmegaChem \(Quebec City, QC\)](#): Senior Research Scientist (2013)

 FQRNT Postdoctoral Fellowship with Erick Carreira, ETH-Zurich, Zurich, Switzerland (2010-2013)

ZIMMER, Lucie – 2010

 [Novartis \(Basel, Switzerland\)](#): Principal Scientist (2015-)

 [Cilag AG – Division of Johnson&Johnson \(Schaffhausen, Switzerland\)](#): Scientist (2011-2015)

 ETH Postdoctoral Fellowship with Ryan Gilmour, ETH-Zurich, Zurich, Switzerland (2010-2011)


MARCOUX, David (NSERC Fellow) – 2009


 [Bristol-Myers Squibb \(Princeton, NJ\)](#): Senior Research Investigator (2014-); Research Investigator (2012-2014)

 NSERC Postdoctoral Fellowship with David Evans, Harvard Univ., Cambridge, MA (2009-2012)


BARBE, Guillaume (NSERC Fellow) – 2009


 [Tempero Pharmaceuticals – Division of GSK \(Cambridge, MA\)](#): Senior Scientific Investigator (2015-)


 [Novartis Institutes for Biomedical Research \(Cambridge, MA\)](#): Research Investigator (2010-2015)


 [Merck Frosst Canada \(Kirkland, QC\)](#): Senior Research Chemist (2009-2010)


JANES, Marc (co-supervision) – 2008

 [Nuchem Therapeutics \(Montreal, QC\)](#): Director, Business Development (2015-)

 [Univ. Montréal \(Montreal, QC\)](#): Lecturer (chargé de cours), Part-Time (2005-)

 [St-Jean Photochimie \(St-Jean-sur-Richelieu, QC\)](#): Associate, Sales and Business Development (2013-2015)

 [Santai Labs \(Iselin, NJ\)](#): Vice-President, Business Development (2010-2013)

 [SoluPhase \(Montreal, QC\)](#): Vice-President (2007-2010)


DESROSIERS, Jean-Nicolas (NSERC Fellow) – 2008

-  Boehringer Ingelheim (Ridgefield, CT): Principal Scientist, (2015-); Senior Scientist (2010-2015)
-  NSERC Postdoctoral Fellowship with Eric Jacobsen, Harvard Univ., Cambridge, MA (2008-2010)




BONNAVENTURE, Isabelle – 2008

-  Synkem (Chenôve, France): Research Scientist (2009-)




CLOAREC, Jean-Manuel – 2008

-  Clinique Universitaire Saint-Luc (Brussels, Belgium): Care-giver (2016-)
-  Delmar Chemicals (LaSalle, QC): Research Associate (2007-2009)
-  NRC Biotechnology Research Institute (Montreal, QC): Research Associate (2009-2011)
-  MD Program, Univ. Catholique de Louvain, Louvain-la-Neuve, Belgium (Unfinished)




CÔTÉ, Alexandre (NSERC Fellow) – 2007

-  Constellation Pharmaceuticals (Cambridge, MA): Senior Scientist I (2015-); Scientist II (2013-2015); Scientist I (2011-2013)
-  Infinity Pharmaceuticals (Cambridge, MA): Process Chemist (2010).
-  NSERC Postdoctoral Fellowship with Erik Sorensen, Princeton Univ., Princeton, NJ (2008-2010)

LARIVÉE, Alexandre – 2007

-  Paraza Pharma (Laval, QC): Associate Director (2013-); Senior Scientist (2011-2013)
-  Merck Frosst Canada (Kirkland, QC): Senior Research Scientist (2009-2010)
-  Postdoctoral Appointment with Alois Fürstner, Max Planck Institute, Mülheim an der Ruhr, Germany (2007-2009)




MOREAU, Benoît – 2006

-  Blend Therapeutics (Watertown, MA): Scientific Fellow, Medicinal Chemistry (2013-)
-  Boehringer Ingelheim Canada (Laval, QC): Research Scientist (2008-2012)
-  FQRNT Postdoctoral Appointment with Tobias Ritter, Harvard Univ., Cambridge, MA (2006-2008)






MARTEL, Jonathan (NSERC Fellow) – 2006

-  Postdoctoral Appointment with David MacMillan, Princeton Univ., Princeton, NJ (2006-2008)



LEMIRE, Alexandre (NSERC Fellow) – 2006

-  Paraza Pharma (Laval, QC): Senior Research Scientist (2011-)
-  Postdoctoral Appointment with André Charette, Univ. Montréal, Montréal, QC (2009-2011)
-  NSERC Postdoctoral Fellowship with K. C. Nicolaou, Scripps Research Institute, La Jolla, CA (2006-2008)



LACASSE, Marie-Christine – 2006

-  Algorithme Pharma (Laval, QC): Scientific Reviewer (2012-)
-  Elucid Pharma Research (Laval, QC): Research Scientist (2010-2011)
-  Univ. Montréal, Montreal, QC: Research Scientist (2012)
-  Postdoctoral Appointment with René. Roy, UQAM, Montréal, QC (2009-2010)
-  Postdoctoral Appointment with Andrew Evans, Univ. Liverpool, Liverpool, UK (2006-2009)





LEGAULT, Claude (NSERC Fellow) – 2005

-  Univ. Sherbrooke (Sherbrooke, QC): Associate Professor (2013-); Assistant Professor (2008-2013)
-  NSERC Postdoctoral Fellowship with Kendall Houk, UCLA, Los Angeles, CA (2005-2007)



WURZ, Ryan (NSERC Fellow) – 2004

-  Amgen (Thousand Oaks, CA): Senior Scientist (2010-); Scientist (2006-2010)
-  NSERC Postdoctoral Fellowship with Gregory Fu, MIT, Cambridge, MA (2004-2006)




FOURNIER, Jean-François (NSERC Fellow) – 2004

-  Galderma R&D (Sophia Antipolis, France): Unit Manager, Lead Optimization (2015-); Research Team Leader, Medicinal and Chemical Department (2010-2015)
-  Wyeth (St-Laurent, QC): Senior Research Scientist I (2009-2010)
-  Merck Frosst Canada (Kirkland, QC): Senior Research Chemist (2006-2009)
-  NSERC Postdoctoral Fellowship with Elias J. Corey Harvard, Cambridge, MA (2004-2006)


BOEZIO, Alessandro (NSERC Fellow) – 2003

-  Amgen (Cambridge, MA): Principal Scientist (2014-); Senior Scientist (2009-2014); Scientist (2005-2009)
-  NSERC Postdoctoral Fellowship with Eric Jacobsen, Harvard Univ., Cambridge, MA (2003-2005)



GRENON, Michel – 2003

-  OmegaChem (Quebec City, QC): Group Leader (2013-); Research Scientist (2011-2013)
-  Lundbeck Research USA (Paramus, NJ): Research Scientist (2006-2011)
-  NSERC Postdoctoral Fellowship with Peter Wipf, Univ. of Pittsburgh, Pittsburgh, PA (2003-2006)





MOLINARO, Carmela (FCAR Fellow) – 2002

-  Merck (Rahway, NJ): Process Chemist (2014-)
-  Merck (West Point, PA): Process Chemist (2011-2013)
-  Merck Frosst Canada (Kirkland, QC): Process Chemist (2004-2011)
-  FQRNT Postdoctoral Fellowship with Timothy Jamison, MIT, Cambridge, MA (2002-2004)



BEAUCHEMIN, André (NSERC Fellow) – 2001

-  Univ. Ottawa (Ottawa, ON): Professor (2015-); Associate Professor (2010-2015); Assistant Professor (2004-2010)
-  NSERC Postdoctoral Fellowship with David Evans, Harvard Univ., Cambridge, MA (2001-2004)

GAGNON, Alexandre (NSERC Fellow) – 2000

-  Univ. Québec à Montréal (Montréal, QC): Assistant Professor (2011-)
-  Constellation Pharmaceuticals (Cambridge, MA): Research Scientist (2010-2011)
-  Boehringer Ingelheim Canada (Laval, QC): Research Scientist (2003-2009)
-  NSERC Postdoctoral Fellowship with Samuel Danishefsky, Columbia Univ., New York, NY (2000-2003)

LEBEL, Hélène (NSERC Fellow) – 1998

-  Univ. Montréal (Montreal, QC): Professor (2010-); Associate Professor (2005-2010); Assistant Professor (1999-2005)
-  NSERC Postdoctoral Fellowship with Eric Jacobsen, Harvard Univ., MA (1998-1999)





CHUA, Peter – 1998

-  Centre for Drug Research and Development (Vancouver, BC): Director, SFU Drug Research Institute (2009-)
-  Cylene Pharmaceuticals (San Diego, CA): Senior Scientist (2005-2009)
-  Merck Research Laboratories (San Diego, CA): Senior Research Scientist (2002-2005)
-  Pfizer (Groton, CT): Research Scientist (2000-2002)
-  FCAR Postdoctoral Fellowship with Larry Overman, UC Irvine, CA (1998-2000)




MELLON, Christophe – 1997

-  Silicycle (Quebec City, QC): Project Manager, R&D (2015-); Contractor (2015)
-  OmegaChem (Quebec City, QC): Associate Director (2013-2014); Group Leader, Organic Synthesis (2010-2013)
-  Mellix Pharmaceuticals (St-Redempteur, QC): Founder (2010-2011)
-  Thallion Pharmaceuticals (Dorval, QC): Associate Director (2008-2009)
-  Merck Frosst Canada (Kirkland, QC): Research Fellow (1999-2008)
-  FCAR Postdoctoral Fellowship with Rick Danheiser, MIT, Cambridge, MA (1997-1999)

MARCOUX, Jean-François (NSERC Fellow) – 1996

-  Roche (Basel, Switzerland): Drug Substance Manufacturing Project Coordinator (2014-)
-  Novasep (Le Mans, France): Technical Business Manager (2011-2014); Project Leader, API Development & Production (2009-2011); Head of Process (2005-2009)
-  Merck (Rahway, NJ): Research Fellow (2001-2005); Senior Research Chemist (1998-2001)
-  NSERC Postdoctoral Fellowship with Stephen Buchwald, MIT, Cambridge, MA (1996-1998)

CÔTÉ, Bernard (NSERC Fellow) – 1995

-  Solvalys (Notre-Dame-de-l'Île-Perrot, QC): President (2011-)
-  Merck Frosst Canada (Kirkland, QC): Senior Research Fellow (2008-2011); Research Fellow (2001-2008); Senior Research Chemist (1997-2001)
-  NSERC Postdoctoral Fellowship with David Evans, Harvard Univ., Cambridge, MA (1994-1997)

▼ M.Sc. Graduates with Direct Passage to Ph.D. (25)

SIDDIQUI, Saher – 2016
BENOIT, Guillaume – 2015
SUSTAC ROMAN, Daniela (NSERC Fellow) – 2011
SCHULZ BECHARA, William (NSERC Fellow) – 2010
BONHOMME-BEAULIEU, Louis-Philippe (NSERC Fellow) – 2009
PELLETIER, Guillaume (NSERC Fellow) – 2009
DESROSIERS, Jean-Nicolas (NSERC Fellow) – 2005
CÔTÉ, Alexandre (NSERC Fellow) – 2004
LARIVÉE, Alexandre – 2003
MOREAU, Benoît – 2002
LEMIRE, Alexandre (NSERC Fellow) – 2002
LEGAULT, Claude (NSERC Fellow) – 2002
JANES, Marc – 2001
LACASSE, Marie-Christine – 2001
WURZ, Ryan (NSERC Fellow) – 2001
FOURNIER, Jean-François (NSERC Fellow) – 2001
MARTEL, Jonathan (NSERC Fellow) – 2000
BOEZIO, Alessandro (NSERC Fellow) – 2000
GRENON, Michel – 2000
MOLINARO, Carmela (NSERC Fellow) – 1998
BEAUCHEMIN, André (NSERC Fellow) – 1998
GAGNON, Alexandre (NSERC Fellow) – 1998
MELLON, Christophe – 1994
MARCOUX, Jean-François (NSERC Fellow) – 1992
CÔTÉ, Bernard (NSERC Fellow) – 1990

▼ M.Sc. Graduates (53)

RÉGNIER, Sophie (NSERC Fellow) – 2016
 [OmegaChem/Vertex \(Laval, QC\)](#): Associate Scientist (2016-)

CONSTANTINEAU-FORGET, Lea – 2015
 [Paraza Pharma \(Laval, QC\)](#): Associate Scientist (2014-)

CYR, Patrick (NSERC Fellow) – 2014
 [Genentech \(San Francisco, CA\)](#): Research Associate (2014-)

LADD, Carolyn – 2013
 Ph.D. in Chemistry with Prof. Charette, Univ. Montréal, Montreal, QC (2013-)

FORTIER, Angélique – 2013
 [Toronto Research Chemicals \(Toronto, ON\)](#): Synthetic Chemist (2010-)
 [Marianopolis College \(Montreal, QC\)](#): Chemistry Teacher (2009-2010)

FISSET, Dominic (NSERC Fellow) – 2013
 [OmegaChem \(Quebec City, QC\)](#): Research Scientist I (2014-); Research Associate II (2012-2014)

CÉRAT, Pascal (NSERC Fellow) – 2011
 [Collège Montmorency \(Laval, QC\)](#): Chemistry Teacher (2011-)

JARVIS, Scott – 2011
 [Institute for Research in Immunology and Cancer \(Montreal, QC\)](#): Research Associate (2012-)
 [AngioChem \(Montreal, QC\)](#): Research Associate (2011-2012)

VALLÉE, Frédéric – 2010
 [OmegaChem/Vertex \(Laval, QC\)](#): Research Scientist II (2016-); Research Scientist I (2011-2016)
 [Tranzyme Pharma \(Sherbrooke, QC\)](#): Research Associate (2010-2011)

VANIER, Sébastien (FQRNT Fellow) – 2010

- 📁 Environex (Longueuil, QC): Chemistry Supervisor (2014-)
- 📁 GlaxoSmithKline Vaccines (Laval, QC): Quality Control Chemist (2013-2014)
- 📁 Biolab (Lévis, QC): Research Scientist, (2013-)
- 📁 Tranzyme Pharma (Sherbrooke, QC): Research Associate (2010-2013).

TANNOUS, Jad – 2009

- 📁 Clinique Chiropratique Monkland (Montreal, QC): Chiropractor (2014-)
- 👤 Ph.D. in Chiropractic, Univ. Québec à Trois Rivières, Trois-Rivières, QC (2009-2014)

ST-ONGE, Miguel – 2009

- 📁 Inception Sciences Canada (St-Laurent, QC): Senior Research Associate I (2016-)
- 📁 OmegaChem/Vertex (Laval, QC): Research Scientist I (2011-2012)
- 📁 Merck Frosst Canada (Kirkland, QC): Research Scientist (2009-2010)
- 📁 Boehringer Ingelheim Canada (Laval, QC): Research Associate (2009)

PERREAULT, Christian – 2009

- 📁 Paraza Pharma (Laval, QC): Senior Associate Scientist (2012-)
- 📁 Pfizer (Groton, CT): Senior Associate Scientist (2007-2012)

POIRIER, Maude – 2009

- 📁 Bristol-Myers Squibb (Princeton, NJ): Research Scientist (2015-); Associate Research Scientist II (2013-2015)
- 📁 Boehringer Ingelheim Canada (Laval, QC): Research Associate (2009-2012)

LIFCHITS, Olga (NSERC Fellow) – 2008

- 📁 Sandoz – Division of Novartis (Schaftenau, Austria): Process Expert, Drug Product Microparticles (2016-); Lab Head, Chemical Development (2014-2016)
- 👤 Humbolt Postdoctoral Scholarship with Dirk Trauner, Univ. München, Munich, Germany (2012-2013)
- 👤 Ph.D. in Chemistry with Benjamin. List, Max-Planck-Institut für Kohlenforschung, Mülheim an der Ruhr, Germany (2008-2012)

LABERGE, Kimberly-Ann – 2008

- 📁 Deloitte Canada (Montreal, QC): Audit Assistant II, Staff Accountant II (2016-), Audit Assistant I, Staff Accountant I (2016), Audit Intern (2014)
- 📁 Heenan Blaikie LLP (Montreal, QC): Accounting Trainee (2013-2014)
- 📁 Gemin X Pharmaceuticals (Montreal, QC): Research Associate (2008-2009)
- 👤 Postgraduate Diploma, Professional Accounting (DESS), HEC Montréal, Montreal, QC (2015-2016)
- 👤 Bachelor of Business Administration, Accounting (BBA), HEC Montréal, Montreal, QC (2012-2014)

MURPHY, Philippe – 2008

- 📁 Synarchive S.E.N.C. (Montreal, QC): Senior Partner (2011-)
- 📁 Chemistry Teacher in various cegeps: Collège Ahunatic (2013-), Collège Marie-Victorin (2012), Cégep régional de Lanaudière à l'Assomption (2011-2012), Cégep de Jonquière (2011), Cégep de l'Abitibi-Témiscamingue (2010)

BEAUDOIN, Daniel (NSERC Fellow) – 2008

- 👤 Postdoctoral Appointment with Prof. Michael Mastalerz, Ruprecht-Karls-Univ. Heidelberg, Germany (2015-)
- 👤 Ph.D. in Chemistry with J. Wuest, Univ. Montréal, Montreal, QC (2009-)

PHILIPPE, Josée – 2007


- 📁 Transport Canada (Ottawa, ON): Staffing Advisor, Human Resources (2010-)
- 👤 Teacher Education Degree in Sciences, Univ. Ottawa, Ottawa, ON (2007-2008)

ROY, Marie-Noelle – 2007





- 📁 Brookfield Solutions Globales Intégrées (Quebec City, QC): Health, Safety and Environment Coordinator (2015-)
- 📁 Univ. Montréal (Montreal, QC): Research Associate (2007-2013); Centre in Green Chemistry and Catalysis Coordinator (2012-2013)

 Master's in Industrial Hygiene, Univ. Québec à Trois-Rivières, Trois-Rivières, QC (2013-2015)



GOUDREAU, Sébastien (NSERC Fellow) – 2007

-  UREkA (Mulhouse, France): Research Director, ImmuPharma Group (2014-)
-  FindMolecule (Sherbrooke, QC): President (2015-)
-  Paraza Pharma (Laval, QC): Research Scientist (2013)
-  OmegaChem (Quebec City, QC): Senior Research Scientist (2013)
-  FQRNT Postdoctoral Fellowship with Erick Carreira, ETH-Zurich, Zurich, Switzerland (2010-2013)
-  NSERC Ph.D. Fellowship with André Charette, Univ. Montréal, Montreal, QC (2007-2010)



LAROUCHE, Guillaume – 2007

-  Heath Canada (Longueuil, QC): Analytical Chemist, Drug Analysis Service (2014-); Analytical Chemist, Food Laboratory (2013-2014)
-  Aegera Therapeutics (Nun's Island, QC): Research Scientist (2012-2013)
-  Merck Frosst Canada (Kirkland, QC): Research Scientist (2008-2011)
-  MethylGene (Montreal, QC): Research Scientist (2007-2008)



LABBÉ-GIGUÈRE, Nancy – 2007

-  Novartis (Cambridge, MA): Scientist I (2015-); Scientific Associate II (2009-2015)
-  Amgen (Cambridge, MA): Research Associate (2007-2009)

LAUZON, Caroline – 2006

-  Canadian Food Inspection Agency (Longueuil, QC): Analytical Chemist (2010-)
-  Prometic BioSciences (Laval, QC): Research Scientist (2005-2009)



MATHIEU, Simon (NSERC Fellow) – 2005

-  Novartis Institutes for BioMedical Research (Cambridge, MA): Scientist I (2013-)
-  Genentech (San Francisco, CA): Senior Research Associate (2011-2012); Research Associate (2005-2011)

MOREAU, Elaine – 2005

-  Church & Dwight (Montreal, QC): Director, Quality & Regulatory Affairs, (2016-)
-  BREMAQ Consulting (Montreal, QC): Principal Consultant (2013-2016)
-  Sandoz Canada (Boucherville, QC): Compliance Auditor for Quality Unit (2012-2013)
-  Merck Frosst Canada (Kirkland, QC): Release Product Specialist (2007-2012)
-  L'ORÉAL Canada (Montreal, QC): Analyst, Technical Information Services & Scientific Regulatory Affairs (2006-2007)







DeROY, Patrick – 2003

-  Paraza Pharma (Laval, QC): Manager, Chemical Development (2013-)
-  Boehringer Ingelheim Canada (Laval, QC): Research Associate (2003-2013)


FRANCOEUR, Sébastien (FCAR Fellow) – 2002


-  AFHR (Montreal, QC): Director, Business Development for New Markets (2008-2009)
-  HRSAGoLive (Montreal, QC): General Manager (2007-2008)
-  Augeo Canada (Montreal, QC): Business Analyst, Pharma and Biotechs (2004-2007)
-  MBA, Finance and Corporate Strategy, HEC Montréal, Montreal, QC (2002-2005)

BOUCHARD, Jean-Emmanuel – 2002

-  Hôpital LeRoy (Baie-Comeau, QC): Emergency Doctor (2015-)
-  Hôpital du Sacré-Coeur de Montréal (Montreal, QC): Emergency Medicine Resident (2014-2015); Family Medicine Resident (2012-2014)
-  Ambriila Biopharma (Nun's Island, QC): Research Associate I (2007-2008)
-  CHUL Research Center (Quebec City, QC): Research Associate I, (2003-2006)
-  Shire Biochem Pharma (Laval, QC): Research Associate I (2002-2003)
-  Ph.D. Doctor of Medicine, Univ. Laval, Quebec City, QC (2008-2012)

ST-MARTIN, David (FCAR Fellow) – 2002

-  Berenskin & Parr (Montreal, QC): Patent Agent (2005-)


 Ogilvy-Renault (Montreal, QC): Patent Agent Trainee (2002-2005)

ANCTIL, Éric – 2001


 Ph.D. with Victor Snieckus, Queen's Univ., Kingston, ON (2002-2008)


JOLICOEUR, Éric – 2001

 Institute for Research in Immunology and Cancer (Montreal, QC): Research Associate (2013-)


 Boehringer Ingelheim Canada (Laval, QC): Research Associate II (2004-2013); Research Associate I (2001-2004)


BROUILLETTE, François-Karl – 2001

 Neptune Wellness Solutions (Montreal, QC): Vice-President, Scientific Affairs (2005-)

 Syntetica Fine Chemicals (Laval, QC): Research Chemist and Project Manager (2001-2003)

BERTHELETTE, Carl – 2000


 Metabolic Balance Québec (Laval, QC): Certified Metabolic Balance Coach, (2015-)


 Usana Health Science (Laval, QC): Cellular Nutrition Specialist (2010-)

 Énergie de la Science (Laval, QC): Founder and Scientific Consultant (2009-)

 Merck Frosst Canada (Kirkland, QC): Research Scientist (1999-2009)


PAQUIN, Isabelle – 2000


 Cegep Saint-Jean-sur-Richelieu (St-Jean-sur-Richelieu, QC): Chemistry Teacher (2008-)

 MethylGene (Montreal, QC): Research Scientist (2000-2008)

PROULX, Mélanie – 2000

 Aegera Therapeutics (Nun's Island, QC): Medicinal Chemist (2011-); Resarch Associate (2006-2011)


 Prestwick Chemical (Illkirch, France): Research Associate (2004-2005)


 Shire Biochem Pharma (Laval, QC): Research Associate (2001-2003)


MOREAU, Nancie – 2000


BLAIS, Charles – 1999

 Lallemand (Montreal, QC): Intellectual Property Specialist (2014-)

 McGill Univ. (Montreal, QC): Marketing Agent (2012-2014)


 Dynavision Group (Montreal, QC): Advisor, Scientific Resarch and Technology (2011-2012)


 Virochem Pharma (Laval, QC): Patent Technical Advisor (2008-2010)

 Virochem Pharma (Laval, QC): Research Associate II (2004-2008)

 Shire Biochem Pharma (Laval, QC): Research Associate II (1999-2003)


ISABEL, Élise – 1998


 Delmar Chemicals (LaSalle, QC): Technical Advisor, Process Chemistry (2012-); Documentalist (2011-2012)

 Merck Frosst Canada (Kirkland, QC): Research Chemist (1998-2010)


LEMAY, Andrée-Jacinthe – 1997

 Pfizer Canada (Kirkland, QC): Clinical Scientist (2008-2010)

 Lundbeck Canada (Montreal, QC): Clinical Scientist (2000-2008)


 Ph.D. in Pharmacology, Univ. de Montréal, Montreal, QC (1997-2000)


BROCHU, Christian – 1997


 Boehringer Ingelheim Canada (Laval, QC): Senior Research Scientist (1997-2012)

 Ph.D in Pharmacy, Univ. Montréal, Montreal, QC (2013-)

LACOMBE, Patrick – 1996


 Nuchem Therapeutics (Montreal, QC): Senior Research Scientist (2012-)

 Aegera Therapeutics (Nun's Island, QC): Contractual Scientist (2011)






 Merck Frosst Canada (Kirkland, QC): Research Scientist (1996-2010)

MOTAMEDI, Mehrnoush – 1996



 Ligand (San Diego, CA): Research Chemist (1996-2000)

 Merial (Duluth, GA): Research Chemist (2001-2002)

GIROUX, André – 1996

-  Vertex Canada (Laval, QC): Senior Program Manager (2016-)
-  Benoît & Côté (Montreal, QC): Administrator, Legal Services (2013-2016)
-  Delmar Chemicals (LaSalle, QC): Project Coordinator (2013)
-  Boehringer Ingelheim Canada (Laval, QC): Research Associate II (2010-2012)
-  Merck Frosst Canada (Kirkland, QC): Research Scientist (1996-2010)





NAUD, Julie – 1996

-  Nurse, Hôpital St-Eustache, CISSS Deux-Montagne, St-Eustache, QC (2015-); Nurse, Hôpital Sacré-Coeur, Montreal, QC (2014); Research Associate, Boehringer Ingelheim (Canada), Laval, QC (1996-2014).
-  Master's in Clinical Nursing, McGill University, Montreal, QC (2013-2016).

DESCHÊNES, Denis – 1995


-  Univ. Montréal (Montreal, QC): Chemist for Teaching Laboratories, Department of Chemistry (2011-)
-  Merck Frosst Canada (Kirkland, QC): Research Scientist (1995-2010)

JUTEAU, Hélène – 1995


-  Novartis (Dorval, QC): Drug Safety Specialist (2013-)
-  Abbvie (St-Laurent, QC): Safety Officer (2012-2013)
-  Abbott Canada (Montreal, QC): Medicinal Information Specialist (2011-2012)
-  Merck Frosst Canada (Kirkland, QC): Research Scientist (1995-2010)

PRESCOTT, Sylvie – 1995

BENSLIMAN, Abdel – 1994

-  Aegera Therapeutics (Nun's Island, QC): Scientist (1995-)

ROUILLARD, Langis – 1994



-  Collège Ahunatic (Montreal, QC): Chemistry Teacher (1994-)

TURCOTTE, Nathalie – 1993

-  Commission scolaire de la Seigneurie-des-Mille-Îles (St-Eustache, QC): Ergotherapist (2013-2014)
-  CRDP Le Bouclier (Blainville, QC): Ergotherapist (2013-2014)
-  Virochem Pharma (Laval, QC): Research Scientist I, (2004-2009)
-  Shire BioChem Pharma (Laval, QC): Research Scientist I (1993-2003)
-  Professional Master's in Ergotherapy, Univ. Montréal, Montreal, QC (2009-2012)

PARISEAU, Yves – 1993

MALENFANT, Éric – 1992

-  Sun Life Financial (Rosemère, QC): Financial Security Advisor and Group Savings Representative (2013-)
-  Boehringer Ingelheim Canada (Laval, QC): Research Scientist (1992-2013)

▼ Undergraduate Interns and Others (88)

88. Dessenoix, Caroline (2017). 87. Pons, Amandine (2016-2017). 86. Vanier, Simon (2015). 85. Laporte, Simon (2014). 84. Lantrain, Victoire (2014). 83. Khazhieva, Inna (2013-2014). 82. Rodriguez, Elsa (2013). 81. Belouin, Audrey (2013). 80. Poiret, Valentin (2013). 79. Diercxens, Nicolas (2013). 78. Dong, Maryline (2012). 77. Sarie, Jérôme (2012). 76. Dauphinais, Maxime (2012). 75. Lauzon, Nidia (2012). 74. Venkat, Maithri (2012). 73. Albrecht, Charline (2012). 72. Taillemaud, Sylvain (2012). 71. André, Sarah (2011-2012). 70. Gareau, David (2011). 69. Bélanger-Desmarais, Nicolas (2011). 68. Laurent, Grégory (2011). 67. Monks, Natalie (2011). 66. Scullion, Callum (2011). 65. Gamása-Tomas, María (2010). 64. Ladd, Carolyn (2010). 63. Constantineau-Forget, Léa (2010). 62. Heskia, Alice (2010). 61. Aubé, Alexandre (2010). 60. Lorion, Mélanie (2010). 59. Gritsch, Philipp (2009-2010). 58. Beauregard, Adam (2009; co-supervision). 57. Lévesque, Éric (2009). 56. Delves, Lukas (2009). 55. Poutiers, Guillaume (2009). 54. Pelletier, Carole (2008-2009). 53. Boudrias-Dalle, Étienne (2008). 52. Azzi, Soula (2008). 51. Gritsch, Philipp (2007-2008). 50. Lemonnier, Gérald (2007). 49. Zakharian, Irina (2007). 48. Schulz Bechara, William (2007). 47. Limary, Mélodie (2007). 46. Jonet, Alexia (2007). 45. Roy, Julie (2006). 44. Cérat, Pascal (2006). 43. Bétournay, Geneviève (2006). 42. Pelletier, Guillaume (2005). 41. Lindsay, Vincent (2005). 40. Oriez, Raphaël (2005). 39. Gonella, Silvia (2004). 38. Beaudoin, Daniel (2004). 37. Lindsay, Vincent (2004). 36. Landry, Vincent (2004). 35. Doan, Justin-Vinh (2004). 34. Picard, Anne (2003). 33.

Hallé, Catherine (2003). 32. Chéhadé, Mathieu (2003). 31. Murphy, Philippe (2003). 30. Pont, Anne-Laure (2003). 29. Gharbi, Samir (2002). 28. Désy-Roy, Valérie (2002). 27. Jinjinian, Nanor (2002). 26. Desrosiers, Jean-Nicolas (2001). 25. Moreau, Éline (2001) 24. Nolet, Sébastien (2000-2001). 23. Orlicka, Katarzyna (2000). 22. Leclerc, Jean-Sébastien (2000). 21. Girard-Lauriault, Pierre-Luc (2000). 20. Douida, Zhora (2000). 19. Marcotte, Félix-Antoine (1999). 18. Murray, Julie (1999). 17. Ouvry, Gilles (1998). 16. Brouillette, François-Karl (1998). 15. Moreau, Benoît (1998). 14. Janes, Marc (1997). 13. Brisebois, Patrick (1997-1998). 12. Rousselle, Étienne (1997). 11. Rabier, Olivier (1996). 10. Truchon, Jean-François (1996). 09. Gagnon, Alexandre (1995). 08. Karroum, Carole (1995). 07. Monroc, Sylvie (1995-1994). 06. Molinaro, Carmela (1994). 05. Tweddell, Jennifer (1994). 04. Baillon, Marie-Hélène (1992). 03. Badet, Laure (1992). 02. Martin, Loïc (1991). 01. Lortie, Christian (1990).

MEDIA COVERAGE

▼ TV Appearances

Les années Lumières, Radio-Canada: commentary on the Nobel Prize Award in Chemistry – Oct. 2005

Découverte, Radio-Canada: Broadcast on Gauche droite ! La marche des molécules – Nov. 17 2002

Les années Lumières, Radio-Canada: commentary on the Nobel Prize Award in Chemistry – Oct. 2001

Salut Bonjour, Réseau TVA: Interview with Guy Mongrain (Personality of the Week) – Mar. 2000

▼ Multimedia Interviews

▼ Video Interview on May 29, 2015

Video Interview to discuss organic chemistry and international collaborations between Université de Montréal and INSA-Rouen <https://www.youtube.com/channel/UCELYMILJcNXOW55fKkyGUxw> or www.labex-synorg.fr
[In French Only]

▼ Radio Interview on Dec. 5, 2014

Radio interview at the Department of Communications of UQAM [In French Only]

▼ Youtube Capsule on May 9, 2012

YouTube capsule to underline the importance of catalysis as a pillar of green chemistry: <http://www.nouvelles.umontreal.ca/multimedia/forum-en-clips/20120509-la-chimie-verte-un-concept-a-la-mode.html>
[In French Only]

▼ La grande équation Broadcast on Sep. 8, 2011

Invited speaker to discuss the new challenges of green chemistry during the radio show *La grande équation* broadcasted at Radio Centre-Ville (102.3 FM Montreal). This interview was part of a series of four underlining the 2011 International Year of Chemistry and presenting the successes, failures and challenges that faces this particular science: <http://lagrandeequation.ca/spip.php?article2> [In French Only]

▼ Press Releases

▼ Forum Issue of May 7, 2012 [In French Only]

Interview in the UdeM online newsletter *Forum* regarding the influence of green Chemistry: <http://www.nouvelles.umontreal.ca/campus/acfas/20120507-chimie-verte-effort-local-tendance-mondiale.html>

▼ Forum Issue of Feb. 21, 2011 [In French Only]

Interview in the UdeM online newsletter *Forum* regarding work on green chemistry: <http://www.nouvelles.umontreal.ca/recherche/sciences-technologies/20110221-les-chimistes-voient-vert.html>

▼ Les débrouillards Issue of Feb. 2009, p. 18 [In French Only]

Career highlighted in *Les Débrouillards*, a scientific magazine for kids aged 10 to 15 years old

▼ Lachapelle, A. Chimie Organique 2, Chenelière Education: Montreal, 2008, p. 224 [In French Only]

Biography entitled "*Sur les épaules de géants : André B. Charette : de l'autre côté du miroir*" and presented in the French edition of the chemistry book entitled *Organic Chemistry: a Short Course* by Hart, Craine, Hart and Hadad. This French version, which is translated from English by Professor Alain Lachapelle (Collège André-

Grasset), is mainly intended to cegep students and highlights organic chemists who are recognized by their peers for having made significant contributions to the development of organic chemistry in Québec.

FUNDING HISTORY

▼ Grants currently held

▼ Research Grants

Charette*	Canada Research Chair in Stereoselective Synthesis of Bioactive Molecules: <u>Research Only</u> [NSERC, Government of Canada]	\$80,000	2005-2006	
		\$80,000	2006-2007	
		\$80,000	2007-2008	
		\$80,000	2008-2009	
		\$80,000	2009-2010	
		\$80,000	2010-2011	
		\$80,000	2011-2012	
		[Renewal 1]	\$70,000	2012-2013
			\$70,000	2013-2014
			\$70,000	2014-2015
	\$70,000	2015-2016		
	\$70,000	2016-2017		
	\$70,000	2017-2018		
Charette*	New Methods for the Stereoselective Synthesis of Organic Compounds [NSERC Discovery]	\$104,500	1998-1999	
		\$104,500	1998-1999	
		\$104,500	2000-2001	
		\$104,500	2001-2002	
		[Renewal 1]	\$172,520	2002-2003
			\$172,520	2003-2004
			\$172,520	2004-2005
			\$172,520	2005-2006
		[Renewal 2]	\$165,000	2006-2007
			\$165,000	2007-2008
			\$165,000	2008-2009
			\$165,000	2009-2010
			\$165,000	2010-2011
			\$165,000	2011-2012
			\$165,000	2012-2013
	\$165,000	2013-2014		
[Renewal 3]	\$165,000	2014-2015		
	\$165,000	2015-2016		
	\$165,000	2016-2017		
	\$165,000	2017-2018		
	\$165,000	2018-2019		
Charette,* and 4	Synthèse stéréosélective d'arylcyclopropyléthers et étude de leur stabilité métabolique en présence de cytochromes P450 [FQRNT Équipe]	\$60,960	2015-2016	
		\$60,960	2016-2017	
		\$60,960	2017-2018	
▼ Operating Grants				
Charette* and 10	NSERC CREATE Training Program in Continuous Flow Science [NSERC CREATE]	\$150,000	2014-2015	
		\$300,000	2015-2016	
		\$300,000	2016-2017	
		\$300,000	2017-2018	
		\$300,000	2018-2019	

		\$300,000	2019-2020
Li,* Charette and 50	Renewal of Centre in Green Chemistry and Catalysis (CCVC) [FRQNT Regroupements Stratégiques, McGill]	\$570,000	2013-2014
		\$570,000	2014-2015
		\$456,000	2015-2016
		\$456,000	2016-2017
		\$456,000	2017-2018
		\$456,000	2018-2019
Charette*	Contribution du Vice-rectorat à la recherche au salaire d'une adjointe administrative durant le mandat de direction du Département de chimie [Univ. Montréal]	\$40,000	2014-2015
		\$40,000	2015-2016
		\$40,000	2016-2017
Charette*	Allocation de recherche pour l'accèsion à la direction du Département de chimie [Univ. Montréal]	\$32,000	2014-2015
		\$32,000	2015-2016
		\$32,000	2016-2017

▼ Grants Previously Held

▼ Research Grants

Charette,* Tabrizian	Développement de nouvelles méthodes de synthèse peptidique en solution et de leur criblage dans une nouvelle plateforme microfluidique multiplexée en vue de leur application biomédicale [FRQNT Équipe]	\$56,000	2012-2013
		\$56,000	2013-2014
		\$56,000	2014-2015
Lebel,* Charette	Sels de phosphonium en catalyse [FRQNT Équipe]	\$51,840	2008-2009
		\$51,840	2009-2010
		\$51,840	2010-2011
Charette*	Phosphonium-Supported Reagents, Scavengers and Catalysts [NSERC I2I-II]	\$53,704	2008-2009
Charette*	Chiral Separations Using Novel Phosphonium-Based Chiral Selectors [NSERC I2I]	\$125,000	2006-2007
Charette*	Supports solubles en chimie organique de synthèse [Univ. Montréal, Valorisation-Recherche]	\$120,000	2004-2005
Charette*	Asymmetric Catalytic Synthesis and Applications of α -Chiral Amines: Development of a Novel Class of Unsymmetrical Chiral Ligands [Canadian Society for Chemistry]	\$30,000	2004-2005
		\$30,000	2005-2006
Lubell,* Charette and 44	Québec Combinatorial Chemistry Consortium: <u>Research Only</u> [Valorisation-Recherche Québec]	\$33,252	2002-2003
		\$33,252	2003-2004
		\$33,252	2004-2005
Charette,* Hanessian	Nouvelles méthodes en catalyse asymétrique [FCAR Équipe]	\$20,000	2000-2001
		\$20,000	2001-2002
		\$20,000	2002-2003
Charette*	Stereoselective Synthesis of Organic Compounds: E. W. R. Steacie Fellowship [NSERC]	\$111,600	2000-2001
		\$111,600	2001-2002
Charette*	E. W. R. Steacie Fellowship Supplement [NSERC/Univ. Montréal]	\$70,000	2000-2001
		\$70,000	2001-2002
Charette*	Fonds McConnell [Univ. Montréal]	\$20,000	1999-2000
		\$20,000	2000-2001
		\$20,000	2001-2002

Charette*	Synthèse de nouveaux supports solides [FCAR Action Concertée]	\$90,000	1998-1999
		\$90,000	1999-2000
		\$45,000	2000-2001
Charette,* Hanessian	Synthèse et utilisation d'acides α -aminés et d'amino-alcools sur des nouveaux supports solides dérivés de couches monomoléculaires [FCAR Action Concertée Combichem]	\$45,000	1998-1999
		\$45,000	1999-2000
		\$90,000	2000-2001
Hanessian,* Charette and 2	Application des interactions non covalentes en chimie organique [FCAR Équipe]	\$49,400	1994-1995
		\$49,400	1995-1996
		\$49,400	1996-1997
		\$60,000	1997-1998
		\$60,000	1998-1999
		\$60,000	1999-2000
Charette*	New Methods for the Stereoselective C-C Bond Formation [NSERC Discovery] [Renewal 1] [Renewal 2]	\$33,000	1989-1990
		\$33,000	1990-1991
		\$33,000	1991-1992
		\$43,000	1992-1993
		\$43,000	1993-1994
		\$43,000	1994-1995
		\$68,250	1995-1996
		\$68,250	1996-1997
		\$68,250	1997-1998
		Charette*	Lewis Acid Catalyzed Cyclopropanation for Allylic Alcohols [ACS Petroleum Research Fund New Investigator]
\$67,950	1996-1997		
\$67,950	1997-1998		
Charette*	Nouvelles méthodes de synthèse stéréosélective [FCAR Nouveau Chercheur]	\$14,200	1992-1993
		\$14,200	1993-1994
		\$14,200	1994-1995
Charette*	Fonds de démarrage [Univ. Montréal]	\$75,000	1992-1993
		\$25,000	1993-1994
		\$10,000	1994-1995
▼ Operating Grants			
Charette,* Li and 42	Centre in Green Chemistry and Catalysis (CCVC) [FRQNT Regroupements Stratégiques, UdeM]	\$450,000	2009-2010
		\$450,000	2010-2011
		\$450,000	2011-2012
		\$450,000	2012-2013
Charette*	Financement de transition du Vice-rectorat à la recherche et aux relations internationales [Univ. Montréal]	\$40,000	2010-2011
		\$40,000	2011-2012
		\$40,000	2012-2013
Charette*	Financement de contrepartie de la chaire industrielle [Univ. Montréal]	\$55,000	2004-2005
		\$55,000	2005-2006
		\$55,000	2006-2007
		\$55,000	2007-2008
		\$55,000	2008-2009
		\$55,000	2009-2010
▼ Equipment Grants			
Charette,* Tabrizian	Développement de nouvelles méthodes de synthèse peptidique en solution et de leur criblage dans une nouvelle plateforme	\$47,500	2012-2013

	microfluidique multiplexée en vue de leur application biomédicale : achat d'un synthétiseur de peptides [FRQNT Équipe, volet équipement]		
Schaper,* Charette and 9	Molybdenum Microfocus X-Ray Source [NSERC RTI-Category 1]	\$150,000	2009-2010
Lebel,* Charette	Sels de phosphonium en catalyse: purchase of a thermogravimetric analyzer (TGA) [FRQNT Équipe, volet Équipement]	\$50,000	2008-2009
Schaper,* Charette and 5	APEX II X-Ray Area Detector [NSERC RTI-Category 1]	\$126,129	2007-2008
Charette,* Lebel	Auto-injecteur pour appareil de chromatographie en phase vapeur [FCAR Équipe]	\$44,838	2001-2002
Lebel,* Charette and 8	Sonde de résonance magnétique nucléaire quadrunucléaire [FCAR Équipe]	\$48,204	2001-2002
Charette*	Analytical High Performance Liquid Chromatographic System HPLC [NSERC/Merck Frosst/Boehringer Ingelheim/Univ. Montréal]	\$80,000	2000-2001
Lebel,* Charette and 8	Solvent Purification System [NSERC RTI-Category 1]	\$87,000	2000-2001
Charette*	Benchtop LC/MS [NSERC RTI-Category 2]	\$250,652	2000-2001
Charette*	Freeze Dry System [NSERC RTI-Category 1]	\$20,491	2000-2001
Charette,* Lebel	Spectrophotomètre infra-rouge à transformée de Fourier [FCAR Équipe]	\$49,042	2000-2001
Charette,* Lebel	In-Situ Fourier Transform Infrared Probe [NSERC RTI-Category 1]	\$94,886	1999-2000
Charette*	Supercritical Fluid Chromatography System [NSERC RTI-Category 2]	\$113,029	1999-2000
Charette* and 24	400MHz High Performance Digital NMR Spectrometer [NSERC Major Facilities Access]	\$729,142	1999-2000
Wuest,* Charette and 27	X-Ray Diffractometer with a CCD Detector [NSERC Major Facilities Access]	\$414,614	1999-2000
Hanessian,* Charette and 2	Applications des interactions non covalentes en chimie organique [FCAR Équipe]	\$40,000 \$25,339	1998-1999 1995-1996
Charette*	Single Station Glove Box System [NSERC RTI-Category 1]	\$58,784	1997-1998
Bertrand,* Charette and 17	High Performance Magnetic Sector Mass Spectrometer with Orthogonal Acceleration Time of Flight Attachment and Electrospray Ionisation for Organic Analysis	\$800,081	1997-1998

	[NSERC Major Facilities Access]		
Charette*	Polarimeter [NSERC RTI-Category 1]	\$34,353	1995-1996
Lafleur,* Charette and 12	Upgrade of a Solid State NMR Console [NSERC Major Equipment]	\$331,233	1994-1995
Charette*	Capillary Gas Chromatograph [NSERC RTI-Category 1]	\$22,541	1994-1995
Charette* and 2	Chiral HPLC Columns [NSERC, Univ. Montréal]	\$6,500	1993-1994
▼ Infrastructure Grants			
Charette*	Modern Instrumentation for HPLC and LCMS Analytical Solutions - CRC Infrastructure Renewal [CFI Leaders Opportunity Fund]	\$378,602	2012-2013
Charette* and 9	New Infrastructure for a Continuous Flow Synthesis Laboratory [CFI New Initiative Funds]	\$4,424,297	2009-2010
Charette*	Infrastructure for Reagents and Catalyst Discovery (CRC) [CFI-Leaders Opportunity Fund]	\$366,838	2005-2006
Lubell,* Charette and 29	Innovation Through Parallel Experimentation: Infrastructure for Combinatorial Science [CFI New Initiative Funds]	\$14,958,679	2004-2005
Wuest,* Charette and 20	Réseau québécois de recherche en synthèse organique: accès aux instruments majeurs [FCAR Regroupement Stratégique]	\$600,000 \$600,000 \$600,000 \$600,000	2002-2003 2003-2004 2004-2005 2005-2006
Charette* and 30	Regional Laboratory of Instrumental Analysis [NSERC Major Facilities Access]	\$70,000 \$70,000 \$70,000 \$110,000 \$110,000 \$110,000 \$110,000 \$125,000 \$125,000 \$125,000	1996-1997 1997-1998 1998-1999 1999-2000 2000-2001 2001-2002 2002-2003 2003-2004 2004-2005
Hanessian,* Charette and 7	Infrastructure for Combinatorial Synthesis and Chemical Diversity – a New Technology for Drug Discovery [CFI, Government of Québec]	\$995,741	2000-2001
▼ University-Industry Collaborative R&D Grants			
Charette*	Industrial Chair in Stereoselective Drug Synthesis [NSERC/Merck Frosst/Boehringer Ingelheim]	\$218,000 \$218,000 \$218,000 \$218,000 \$350,000 \$350,000 \$350,000	2000-2001 2001-2002 2002-2003 2003-2004 2005-2006 2006-2007 2007-2008
Charette*	Asymmetric Catalytic Synthesis and Applications of α -Chiral Amines:	\$30,000	2004-2005

	Development of a Novel Class of Unsymmetrical Chiral Ligands Supplement to the CSC Award [NSERC/CSC/AstraZeneca/Boehringer Ingelheim/Merck Frosst]	\$30,000	2005-2006
Charette*	New Methodology for the Development of Cyclopropane-Containing Pharmacophore [NSERC/Rohm & Haas]	\$70,000 \$70,000 \$70,000	1999-2000 2000-2001 2001-2002
Charette*	Design and Synthesis of New Chiral Reagents [NSERC/Merck Frosst]	\$40,000 \$40,000 \$40,000	1996-1997 1997-1998 1998-1999
Charette*	Enantioselective Synthesis of N-sulfonylamines by Reduction of N-Sulfonylimines and N-Sulfonyenamines [NSERC/Servier]	\$65,000 \$65,000	1994-1995 1995-1996
Charette*	Enantioselective Synthesis of Natural and Unnatural Cyclopropane Amino Acids [NSERC/Bio-Méga]	\$25,000 \$25,000	1991-1992 1992-1993
▼ Industrial Contracts			
Charette*	Contrat de prestation de services de recherche pour la production de dérivés pyrroles et lactones [Galderma R&D SNC]	\$55,000	2012-2013
Charette*	Development of a Synthetic Route and Synthesis of Bi-Fluorinated Building Blocks [Genentech Inc.]	\$16,144	2011-2012
Charette*	Contrat de prestation de services de recherche pour la production d'amines chirales [Galderma R&D SNC]	\$45,080	2011-2012
▼ Unrestricted Grants			
Charette*	Arthur C. Cope Scholar Award [American Chemical Society]	\$40,000	2007-2008
Charette*	Stereoselective Synthesis of Amines on Solid Support, RFP [Astra Pharma]	\$55,000 \$55,000	1999-2000 2000-2001
Charette*	Academic Development Program Award [Chemistry Council of Merck Research Laboratories]	\$37,125	1998-1999
Charette*	Alfred P. Sloan Research Fellowship [Alfred P. Sloan Foundation]	\$25,000 \$25,000	1996-1997 1997-1998
▼ Travel Grants			
Charette*	CSC/Ichikizaki Funds for Young Chemists: Pacifichem, Honolulu, HI	\$3,000	1995
Charette*	CSC/Ichikizaki Funds for Young Chemists: 8 th European Symposium on Organic Chemistry, Barcelona, Spain	\$2,500	1993
Charette*	CSC/Ichikizaki Funds for Young Chemists 6 th IUPAC Symposium on Organic Synthesis, Utrecht, Netherlands	\$2,200	1991

* Individual in charge of grant application.