

## Refereed Journal Articles

- Mayo, P. D.; Silk, P. J.; Abeysekera, S. D.; MaGee, D. I. **2018**, "Synthesis of 9-Geranylterpinolene as a Mixture of Isomers, and Synthesis of  $\alpha$ - and  $\beta$ -springene, Possible Kairomones of the Beech Leaf-Mining Weevil, *Orchestes fagi* (L.)", *Synthetic Communications*, **48** (14), 1766-1776.
- Mayo, P. D.; Silk, P. J.; Abeysekera, D.; MaGee, D. I. **2016**, "Synthesis of Three Putative Kairomones of the Beech Leaf-Mining Weevil *Orchestes fagis* (L.)", *Synthetic Communications*, **46** (13), 1124-1132. DOI: 10.1080/00397911.2016.1185126.
- Dabiri, M.; Koozhari, M.; Shafipour, F.; Kasmaei, M.; Salari, P.; MaGee, D. **2016**, "Supported Vanadium Schiff Bases Complex on Nano Silica: A Heterogenous Catalyst for the Selective Oxidation of Sulfides and Alcohols", *J. Iran Chem. Soc.*, **13**, 1265-1272.
- Vajargahy, M. P.; Dabiri, M.; MaGee, D.; Bazgir, A. **2015**, "Ultrasound-assisted multi-component synthesis of indazolophthalazine derivatives", *J. Iran Chem. Soc.*, **12**, 1613-1621.
- Silk, P. J.; Ryall, K.; Mayo, P.; MaGee, D. I.; Leclair, G.; Fidgeon, J.; Lavalley, R.; Price, J.; McConaghy, J. **2015**, "A Biologically Active Analog of the Sex Pheromone of the Emerald Ash Borer, *Agrilus planipennis*", *J. Chem. Ecol.*, **41** (3) 294-302, doi: 10:1007/s10886-015-0562-1.
- Dabiri, M.; Movahed, S. K.; MaGee, D. I. **2015**. "One – pot Synthesis of 2, 4, 5-triaryl-1H-imidazole linked 1,4 - Disubstitued 1, 2, 3-Triazoles Based on Merging a Multicomponent Condensation with Huisgen 1, 3-Dipolar Cycloaddition in Ionic Liquid", *Research on Chemical Intermediates*, **41**, 335-3347.
- Salehi, P.; Dabiri, M.; Kazemi Movahed, S.; Fakharian, M.; MaGee, D. I.; Ghafouri-Fard, S. **2015**, "New Convenient Five-Component One-Pot Synthesis of 4-[(1,2,3-triazol-4-yl)-methoxy]-phenyl}-6-amino-1,4-dihydro-3-alkylpyrano[2,3-c]pyrazole-5-carbonitrile Derivatives", *Helvetica Chimica Acta*, **98**, 633-641.
- Dabiri, M.; Salehi, P.; Kooshari, M.; Hajizadeh, Z.; MaGee, D. **2014**. "An Efficient Synthesis of Tetrahydropyrazolopyridine Derivatives by a One-pot Tandem Multi-component Reaction in a Green Media". *Arkivoc*, iv, 204-214.
- Mayo, P. D.; Silk, P. J.; MaGee, D. I.; McConaghy, J. **2014**. "Concise Synthesis of (3Z)-Dodcen-12-olide, Pheromone component of the Emerald Ash Borer". *Synthetic Communications*, **44**, 1957-1969.
- Dabiri, M.; MaGee, D.; Salehi, P.; Torkian, L.; Fakharian, M.; Donahue, J. **2014**. "Combining a Click-Multicomponent Reaction: One-pot Synthesis of Triazolyl methyl-3-amino-5, 10-dihydro-5, 10-dioxo-1H-pyrazolo[1, 2-b]phthalazine-2-carboxylate Derivatives". *Synthetic Communications*, **44**, 2037-2044.
- De Silva, E. C. A.; Silk, P. J.; Mayo, P. D.; Hillier, N. K.; MaGee, D.; Cutler, G. C. **2013**. "Identification of Sex Pheromone Components of Blueberry Spanworm *Itame argillacearia* (Lepidoptera: Geometridae)", *Journal of Chemical Ecology*, **39**, 1169-1181. (IF:)
- MaGee, D. I.; Bahramnejad, M.; Dabiri, M. **2013**. "Highly Efficient and Eco-Friendly

- Synthesis of 2-Alkyl and 2-Aryl-4, 5-diphenyl-1*H*-imidazoles Under Mild Conditions”, *Tetrahedron Letters*, **54**, 2591-2594. (IF: 2.683)
- MaGee, D. I., Mayo, P. D., Silk, P. and Beattie, B. **2013**. "Synthesis of (3*E*)-dodecen-12-olide, a potential pheromone component of the Emerald Ash Borer". *Synthetic Communications*, **43**, 1368-1377. (IF: 1.062)
- MaGee, D. I.; Salehi, P.; Dabiri, M.; Bahramnejad, M. **2013**. "An Efficient One-Pot, Four-Component Synthesis of 1, 2, 3-triazole linked tetrahydrobenzo[*b*]pyrans", *Synthetic Communications*. **43**, 486-497. (IF: 1.062)
- MaGee, D. I.; Ratshonka, S.; McConaghy, J.; Hood, M. **2012**. "Synthesis of  $\beta$ - and  $\beta$ ,  $\beta$ -substituted Morita-Baylis-Hilman Adducts Using a Two-Step Protocol". *Canadian Journal of Chemistry*, **90**, 450-463. (IF: 1.242)
- Salehi, P. MaGee, D. I.; Dabiri, M.; Torkian, L. **2012**. "Combining Click-Multicomponent Reaction; One-pot Synthesis of Triazolyl methoxy-phenyl indazolo[2,1-*b*]phthalazine-trione Derivatives", *Molecular Diversity*, **16**, 231-240. (IF: 3.153)
- MaGee, D. I.; Dabiri, M.; Salehi, P.; Torkian, L. **2011**. "Highly Efficient One-Pot Three-Component Mannich Reaction Catalyzed by ZnO-Nanoparticles in Water", *Arkivoc*. (xi), 156-164. (IF: 1.252)
- Silk, P. J.; Ryall, K.; Mayo, P. D.; Lemay, M. A.; Grant, G.; Crook, D.; Cossé, A.; Fraser, I.; Sweeney, J. D.; Lyons, D. B.; Pitt, D.; Scarr, T.; MaGee, D.I. **2011**. "Evidence for a Volatile Pheromone in *Agrilus planipennis* Fairmaire (Coleoptera: Buprestidae) that Increases Attraction to a Holst Foliar Volatile", *Environmental Entomology*, **40**, 904-916. (IF: 1.561)
- MaGee, D. I.; Silk, P. J.; Wu, J.; Mayo, P. D.; Ryall, K. **2011**. "Synthesis of Chiral Alkenyl Epoxides: The Sex Pheromone of the Elm Spanworm *Ennomus subsignaria* (Hübner) (Lepidoptera: Geometridae)", *Tetrahedron*, **67**, 5329-5338. (IF: 3.025)
- Silk, P.J.; Sweeney, J. D.; Wu, J.; Sopow, S.; Mayo, P. D.; MaGee, D. I. **2011**. "Contact Sex Pheromones Identified for Two Species of Longhorned Beetles (Coleoptera: Cerambycidae) *Tetropium fuscum* and *T. cinnamopterum* in the Subfamily Spondylidinae", *Environmental Entomology – Chemical Ecology*, **40**, 714-726. (IF 1.561)
- Sweeney, J. D.; Silk P. J.; Gutowski, J.; Wu, J.; Lemay, M. A.; Mayo, P. D.; MaGee, D. I. **2010**. "Effect of Chirality, Release Rate and Host Volatiles on Response of *Tetropium fuscum* (F.), (Coleoptera: Cerambycidae) to the Aggregation Pheromone, Fuscumol", *Journal of Chemical Ecology* **36**, 1309-1321. (IF: 2.657)
- Silk, P. J.; Lemay, M.; Sweeney, J. D.; LeClair, G.; MaGee, D. I. **2010**. "Behavioral and Electrophysiological Responses of the Brown Spruce Longhorned Beetle *Tetropium fuscum* (F.) (Coleoptera: Cerambycidae) to Spruce Volatiles and Sex Pheromone", *Environmental Entomology – Chemical Ecology* **39**, 1997-2005. (IF: 1.561)
- Ryall, K.; Silk, P. J.; Wu, J.; Mayo, P.D.; Lemay, M A.; MaGee, D. I. **2010**. "Sex pheromone chemistry and field trapping studies of the elm spanworm *Ennomos subsignaria* (Hübner) (Lepidoptera:Geometridae)". *Naturwissenschaften*, **97**, 717-724. (IF: 2.278)

- MaGee, D. I.; Godineau, E.; Walters, M. A.; Spurnholtz, D. **2006**. "Diastereoselective [4+3] Cycloadditions of Enantiopure Nitrogen Stabilized Oxyallyl Cations". *European Journal of Organic Chemistry*, 3367-3680. (IF: 3.329)
- MaGee, D. I.; Mallais, T. C.; Mayo, P. D.; Strunz, G. M. **2006**. "Studies in Stereoselective [2+2]-Cycloadditions with Dichloroketene". *Tetrahedron*, **62**, 4153-4161. (IF: 3.025)
- MaGee, D. I.; Mallais, T. C.; Strunz, G. M. **2004**. "Enantioselective Synthesis of (-)-Cryptosporiopsin, a Metabolite of *Phialophora aстерris*, and its 3-Deschloro Congener". *Canadian Journal of Chemistry*, **82**, 1686-1691. (IF: 1.242)
- Darvesh, S.; Arora, R. C.; Martin, E.; MaGee, D. I.; Hopkins, D. A.; Armour, J. A. **2004**. "Cholinesterase Inhibitors Modify the Activity of Intrinsic Cardiac Neurons" *Experimental Neurology*, **188**, 461-470. (IF: 4.699)
- MaGee, D. I.; Shannon, D. E. **2004**. "Studies Directed Toward the Synthesis of (-)-Reiswigin A: Total Synthesis of *epi*-Reiswigin A". *Canadian Journal of Chemistry*, special issue dedicated to Professor Ed. Piers, **82**, 333-343. (IF: 1.242)
- MaGee, D. I.; Mallais, T. C.; Ech, M. **2003**. "Synthesis of Chiral  $\alpha$ -Keto Esters via Grignard Addition to Oxalates", *Tetrahedron: Asymmetry*, **14**, 3177-3183. (IF: 2.652)
- Darvesh, S.; Walsh, R.; Kumar, R.; Caines, A.; Roberts, S.; MaGee, D. I.; Rockwood, K.; Martin, E. **2003**. "Inhibition of Human Cholinesterases by Drugs Used to Treat Alzheimer Disease", *Alzheimer's Disease and Associated Disorders*, **17**, 117-126. (IF: 2.811)
- MaGee, D. I.; Lee, M. L. **2001**. "Construction of *cis*- and *trans*-Octahydroisoquinoline-7-ones via a Tandem Ring Opening and Closing Strategy", *Tetrahedron Letters* **42**, 7177. (IF: 2.683)
- MaGee, D. I.; Beck, E. J. **2000**. "Use of the Ramberg-Backlund Rearrangement for Synthesis of Medium and Large Heterocyclic Alkenes: Stereoselective Olefin Formation", *Journal of Organic Chemistry*, **65**, 8367-8371. (IF: 4.45)
- MaGee, D. I.; Beck, E. J. **2000**. "The Use of the Ramberg-Backlund Rearrangement for the Formation of Aza-Macrocycles: A Total Synthesis of Manzamine C", *Canadian Journal of Chemistry*, **78**, 1060-1066. (IF: 1.242)
- MaGee, D. I.; Lee, M. L.; Decken, A. **1999**. "Construction of *cis*- and *trans*-decahydroisoquinolines via Heterogenous Catalytic Hydrogenation", *Journal of Organic Chemistry*, **64**, 2549-2554. (IF: 4.45)
- MaGee, D. I.; Leach, J. D.; Setiadji, S. **1999**. "Direct Furan Formation by Treatment of Alkynyl Ketones with Strong Potassium Bases", *Tetrahedron*, **55**, 2847-2856. (IF: 3.025)
- MaGee, D. I.; Leach, J. D. **1997**. "A Rapid and Facile Synthesis of Highly Substituted Furans", *Tetrahedron Letters*, **38**, 8129-8132. (IF: 2.683)
- MaGee, D. I.; Lee, M. L. **1997**. " $\alpha$ -Acetyl and  $\alpha$ -Cyanovinyl 2,4-Dinitrophenyl Carboxylate as Useful New Ketene Equivalents for the Diels-Alder Reaction", *Synlett*, 786-788. (IF: 2.71)
- MaGee, D. I.; Leach, J. D.; Mallais, T. C. **1997**. "Studies on the Synthesis of Highly Substituted Furans: The Synthesis of Calicogorgins A and C", *Tetrahedron Letters*, **38**, 1289-1292. (IF: 2.683)

- Valenta, Z.; MaGee, D. I.; Setiadji, S. **1996**. "Direct Alkylation of  $\alpha$ -Substituted Aldehydes", *Journal of Organic Chemistry*, **61**, 9076-9077. (IF: 4.45)
- MaGee, D. I.; Ramaseshan, M.; Leach, J. D. **1995**. "Synthesis of Cyclic and Acyclic Imides, Sulfonimides and N-Carbobenzyloxyamides by Ketene Trapping," *Canadian Journal of Chemistry*, **73**, 2111-2118. (IF 1.242)
- MaGee, D. I.; Setiadji, S.; Martin, R. A. **1995**. "Studies on the Enantioselective Deprotonation of 2,4-Dimethylbicyclo [3.2.1]-octan-3-one", *Tetrahedron: Asymmetry*, **6**, 639-642. (IF: 2.652)
- MaGee, D. I.; Ramaseshan, M. **1994**. "Efficient Synthesis of Lactams by the Intramolecular Trapping of Ketenes", *Synlett*, 743.9 (IF: 2.71)
- Liang, L.; Ramaseshan, M.; MaGee, D. I. **1993**. "Ethyl Alkynyl Ethers: A Convenient Ketene Source for Lactone Formation", *Tetrahedron*, **49**, 2159-2168. (IF 3.025)
- Kabanyane, S. T.; MaGee, D. I. **1992**. "An Efficient and General Synthesis of Alkyl Alkynyl Sulfoxides", *Canadian Journal of Chemistry*, **70**, 2758-2763. (IF 1.242)
- Darvesh, S.; Grant, A. S.; MaGee, D. I.; Valenta, Z. **1991**. "Synthetic Studies Towards Bruceantin. Part 1. Establishment of the Carbon Network", *Canadian Journal of Chemistry*, **69**, 712-722. (IF 1.242)
- Darvesh, S.; Grant, A. S.; MaGee, D. I.; Valenta, Z. **1991**. "Synthetic Studies Towards Bruceantin. Part 2. The Synthesis of a Pentacyclic Intermediate", *Canadian Journal of Chemistry*, **69**, 723-731. (IF 1.242)
- Darvesh, S.; Grant, A. S.; MaGee, D. I.; Valenta, Z. **1989**. "An Approach to the Synthesis of Bruceantin. The Synthesis of a Tetracyclic Intermediate", *Canadian Journal of Chemistry*, **67**, 2237-2240. (IF 1.242)

#### Refereed Conference Proceedings

- "Studies Towards the Total Synthesis of some Himachalene Sesquiterpenes. Total Synthesis of (+/-)-Norhimichalene", Muhammad A. Algamal and David I. MaGee, 101'st Canadian Chemistry Conference and Exhibition, Edmonton, Alberta, June 3 – June 7, Abstract # 628, **2018**.
- "Triflic Imide Catalyzed Mukaiyama-Michael Addition", Muhammad A. Algamal and David I. MaGee, 25'th Canadian Symposium on Catalysis, Saskatoon, Saskatchewan, May 8 – May 11, Poster #28, **2018**.
- "Towards the Synthesis of Himachalene Sesquiterpenes of *Pyrrhalta vaccinii* (Fall) Leaf Beetle", Jamie L. Frampton and David MaGee, 100'th Canadian Chemistry Conference and Exhibition, Toronto, Ontario, May 28-June 1, Abstract # 628, **2017**.
- "The Synthesis of 3 Putative Beach Leaf-Mining Weevil (*Orchestes fagi* (L.)) Kairomones", Peter Mayo, Peter Silk, Deepa Abeysekera and David MaGee, SERG International 2017 Workshop, Fredericton, New Brunswick, February 7-9, **2017**.
- "Pheromones for Insect Pest Management: An Improved Synthesis of the Spruce Budworm Pheromone", Martin Maniafu and David I. MaGee, SERG International 2017 Workshop, Fredericton, New Brunswick, February 7-9, **2017**.

- “Investigation of using Thioketene Methodology for Heterocyclic Ring Formation”, Fayza Aljohany and David I. MaGee, 99<sup>th</sup> Canadian Chemistry Conference and Exhibition, Halifax, Nova Scotia, June 5-9, **2016**.
- “The Spruce Budworm Pheromone: What Options exist for its Economical Production”, David MaGee and Martin Maniafu, SERG International 2016 Workshop, Saskatoon, Saskatchewan, February 2-4, **2016**.
- “Synthesis of a Model ABC-Tricyclic Manzamine Core”, J. B. L. Donahue and D. I. MaGee, 98<sup>th</sup> Canadian Chemistry Conference and Exhibition, Ottawa, Ontario, June 13-17, **2015**.
- “Synthesis of a Model ABC-Tricyclic Manzamine Core Using an Intramolecular Diels-Alder Approach”, J. Donahue and D. MaGee, Science Atlantic – CIC Chemistry Conference (ChemCon) 2015, Fredericton, NB, May 21-23, **2015**.
- “Concise Synthesis of (3Z)-Dodecen-12-olide, a Pheromone Component of the Emerald Ash Borer”, P. D. Mayo, P. J. Silk, D. I. MaGee and J. McConaghy, International Society of Chemical Ecology, Champaign-Urbana, Illinois, July 8-12, **2014**.
- “Synthesis of a Model ABC-Tricyclic Core of Manzamine B”, Jordan Donahue, and David MaGee, 96<sup>th</sup> Canadian Chemistry Conference and Exhibition, Quebec City, Quebec, Abstract # ORpos-OR3-1649, May 26 – 30, **2013**.
- “Putative Cuticular Contact Pheromone from the Parasitic Wasp *Wroughtonia occidentalis* (Hymenoptera: Brachonidae), a Native Parasitoid of the Exotic Longhorn Beetle, *Tetropium fuscum* (Coleoptera Cerambycidae); Structure and Synthesis”, Thalie Boucher, Peter Mayo, Peter J. Silk and David MaGee, AIF Project Annual General Meeting, Fredericton, NB, April 30-31, **2013**.
- “Synthesis of the Known Emerald Ash Borer pheromone (3Z)-dodecen-12-olide”, Jordan Donahue, Peter J. Silk, Peter Mayo and David I. MaGee, AIF Project Annual General Meeting, Wolfville, NS, April 30-31, **2013**.
- “Development of a more efficient/cost effective route to the known emerald ash borer (*Agrilus planipennis* Fairmaire) pheromone (3Z)-dodecen-12-olide”, Jordan Donahue, Peter J. Silk, Peter Mayo and David I. MaGee, SERG International 2013 Workshop, Fredericton, NB, February 5-7, **2013**.
- “Unusual Homologous Allenes from the parasitic wasp *Wroughtonia occidentalis* (Hymenoptera: Brachonidae), a Native Parasitoid of the Exotic Longhorned Beetle, *Tetropium fuscum* (Coleoptera Cerambycidae); Structure, Synthesis and Stereochemistry”, Thalie Boucher, Peter Mayo, Peter J. Silk and David MaGee, SERG International 2013 Workshop, Fredericton, NB, February 5-7, **2013**.
- “Unusual Homologous Allenes from the parasitic wasp *Wroughtonia occidentalis* (Hymenoptera: Brachonidae), a Native Parasitoid of the Exotic Longhorned Beetle, *Tetropium fuscum* (Coleoptera Cerambycidae); Structure, Synthesis and Stereochemistry”, Thalie Boucher, Peter Mayo, Peter J. Silk and David MaGee, AIF Project Annual General, Wolfville, NS, June 6-7, **2012**.
- “Towards the Total Synthesis of Palmyrolide A”, Maggie Hood and David I. MaGee, 95<sup>th</sup> Canadian Chemistry Conference and Exhibition, Calgary, Alberta, Abstract # OR-Po-0984, May 26-30, **2012**.

- “Synthetic Studies on the ABC-Tricyclic Core of Manzamine B”, Jordan Donahue and David I. MaGee, 95<sup>th</sup> Canadian Chemistry Conference and Exhibition, Calgary, Alberta, Abstract # OR8-1834, May 26-30, **2012**.
- “Unusual Homologous Allenes from the parasitic wasp *Wroughtonia occidentalis* (Hymenoptera: Brachonidae), a Native Parasitoid of the Exotic Longhorned Beetle, *Tetropium fuscum* (Coleoptera Cerambycidae); Structure, Synthesis and Stereochemistry”, Thalie Boucher, Peter Mayo, Peter J. Silk and David MaGee, SERG International 2012 Workshop, Quebec City, QC, February 7-9, **2012**.
- “Synthesis of (3E)-Dodecen-12-olide, A Potential Pheromone Component of the Emerald Ash Borer”, B. Beattie and David MaGee, 3<sup>rd</sup> Natural Products Research Conference, St. John, NB, August 15-17, **2011**.
- “Synthesis of a Model ABC - Tricyclic Core of Manzamine B”, Jordan Donahue and David MaGee, 3<sup>rd</sup> Natural Products Research Conference, St. John, NB, August 15-17, **2011**.
- “Contact pheromone and a short-range attractant of emerald ash borer, *Agrilus planipennis*”, Peter Silk, Krista Ryall, Matthew A. Lemay, Peter Mayo, Junping Wu, Jon Sweeney, David MaGee, Drew Pitt, Taylor Scarr, and D. Brian Lyons, ISCE meeting (oral), Tours, France, **2010**.
- “Design of gold monolayer cluster supported organocatalysts”, S. Deepa Abeysekera and David MaGee, 1<sup>st</sup> Atlantic Regional Organic Symposium, Mount Saint Vincent University, Halifax, NS, Poster Abstract # 20, Aug. 20-23, **2010**.
- “Beckmann Rearrangements of  $\alpha$ ,  $\beta$ -Unsaturated Ketones. Is Control of Bond Migration Possible”, Elena McIntyre and David MaGee, 1<sup>st</sup> Atlantic Regional Organic Symposium, Mount Saint Vincent University, Halifax, NS, Poster Abstract # 22, Aug. 20-23, **2010**.
- “[2+2]-Cycloadditions using an Auxilliary to control Facial Selectivity”, Brittany Beattie and David MaGee, 1<sup>st</sup> Atlantic Regional Organic Symposium, Mount Saint Vincent University, Halifax, NS, Poster Abstract # 5, Aug. 20-23, **2010**.
- “Baylis-Hillmann adducts for the Construction of Heterocycles”, Jessica McConaghy and David MaGee, 1<sup>st</sup> Atlantic Regional Organic Symposium, Mount Saint Vincent University, Halifax, NS, Poster Abstract # 13, Aug. 20-23, **2010**.
- “Vinylcyclopropanes and Their use in [4+3]-Cycloadditions”, Maggie Hood and David MaGee, 1<sup>st</sup> Atlantic Regional Organic Symposium, Mount Saint Vincent University, Halifax, NS, Poster Abstract # 29, Aug. 20-23, **2010**.
- “Design of gold monolayer cluster supported organocatalysts”, S. Deepa Abeysekera and David MaGee, 93<sup>rd</sup> Conference of the Canadian Society for Chemistry, Toronto, Ontario, Abstract # 0662, May 28-June 2, **2010**.
- “Chemistry and Mating Behaviour of *Agrilus planipennis*, emerald ash borer (Coleoptera: Buprestidae)” Peter Silk, Krista Ryall, Peter Mayo, Mathew A. Lemay, Jon Sweeney, D. Brian Lyons, Drew Pitt, and David MaGee, Entomological Society of America annual meeting, Indianapolis Dec, **2009**.
- “Identification of host attractants for the brown spruce longhorn beetle, *Tetropium fuscum* (F.) (Coleoptera: Cerambycidae)”, Peter Silk, Jon Sweeney, Mathew. A. Lemay, Gaten LeClair, and David MaGee. 25<sup>th</sup> Annual ISCE Meeting,

- Neuchatel, Switzerland, August 23-27, Abstract # 1-53, **2009**.
- "Forays in Natural Product Synthesis", David MaGee. 92<sup>nd</sup> Conference of the Canadian Society for Chemistry, Hamilton, Ontario, Abstract # OR.1155, May 30 - June 3, **2009**.
- "The contact sex pheromone chemistry and behavior of *Tetropium fuscum* (F.) and *Tetropium cinnamopterum* (Kirby) (Coleoptera: Cerambycidae)" Peter Silk, Jon Sweeney, Junping Wu, S. Sopow, John Price, Peter Mayo, David Magee, Annual Meeting of the Entomological Society of America, Reno, Nevada, 18 November **2008**.
- "Studies directed toward the synthesis of reiswaigin A: Total synthesis of epi-reiswaigin A and (-)-reiswaigin A", D. I. MaGee, D. E. Shannon and S. Setadji. 89<sup>th</sup> Conference of the Canadian Society for Chemistry, Halifax, Nova Scotia, Abstract # OR.422, May 27-May 31, **2006**.
- "Asymmetric cycloaddition chemistry using Kuneida's "roofed"-oxazolidinone auxiliaries", D. I. MaGee, E. A. Godineau, C. D. Craig and L. Brooks. Pacificchem 2005 International Chemical Congress of Pacific Basin Societies, Honolulu, Hawaii, USA, Abstract ORGN1778, Dec. 15-Dec. 20, **2005**.
- "Studies directed toward the synthesis of reiswaigin A: Total synthesis of epi-reiswaigin A and (-)-reiswaigin A", D. I. MaGee, D. E. Shannon and S. Setadji. Pacificchem 2005 International Chemical Congress of Pacific Basin Societies, Honolulu, Hawaii, USA, Abstract ORGN1829, May 29-June 1, **2005**.
- "Asymmetric Intermolecular [4+3]-Cycloadditions", E. A. Godineau, D. I. MaGee, and P. Thornton. 87<sup>th</sup> Conference of the Canadian Society for Chemistry, London, Ontario, Abstract # OR.618, May 29-June 1, **2004**.
- "Synthesis of 1-Adamantylglycine via Crystallization-Induced Strecker Transformation", M. Eic and D. I. MaGee, Atlantic Student Chapter of the CIC, St. Mary's University, Halifax, Nova Scotia, May 13 -15, **2004**.
- "Testing the Limits of Hydroxy-Halo Exchange in  $\alpha,\beta$ -Conjugated Diosphenols", Kraig Worrall and D. I., MaGee, Atlantic Student Chapter of the CIC, St. Mary's University, Halifax, Nova Scotia, May 13 -15, **2004**.
- "A 9,10-Dimethylanthracene Based Chiral 2-Oxazolidinone for use in Diastereoselective [2+2] Cycloadditions", Crystal Craig and D. I. MaGee, Atlantic Student Chapter of the CIC, St. Mary's University, Halifax, Nova Scotia, May 13-15, **2004**.
- "Studies on the Asymmetric Intermolecular [4+3] Cycloaddition Reaction", E. A. Godineau, D. I. MaGee, P. D. Thornton, M. A. Walters and D. J. Spurnholtz; 39<sup>th</sup> IUPAC Congress and 86<sup>th</sup> Conference of the Canadian Society for Chemistry, Ottawa, Ontario, Abstract # OR-9-P039, Aug. 10-15, **2003**.
- "Synthetic Studies on the Manzamine Alkaloids", A. D. Krikorian and D. I. MaGee; 39<sup>th</sup> IUPAC Congress and 86<sup>th</sup> Conference of the Canadian Society for Chemistry, Ottawa, Ontario, Abstract # OR-11-P031, Aug. 10-15, **2003**.
- "A 9,10-Dimethylanthracene Based Chiral 2-Oxazolidinone for use in Diastereoselective [4+3] Cycloadditions", P. D. Thornton and D. I. MaGee, Atlantic Student Chapter of the CIC Conference, Sir Wilfred Grenfell College, Memorial

University of Newfoundland, Corner Brook, Newfoundland and Labrador, May 16-18, **2003**.

- "Total Synthesis of (-)-Reiswigin A", D. E. Shannon and D. I. MaGee, 84'th Canadian Society of Chemistry Conference and Exhibition, Montreal, Quebec, Abstract #316, May 26-30, **2001**.
- "Asymmetric [2+2] Cycloaddition of Chiral Enol Ethers with Dichloroketene", T. C. Mallais, D. I. MaGee, and G. M. Strunz, 84'th Canadian Society of Chemistry Conference and Exhibition, Montreal, Quebec, Abstract #1193, May 26-30, **2001**.
- "Synthesis of a New Chiral Lithium Amide Base for Enantioselective Deprotonations", A. Flinn and D. I. MaGee, ChemCom 2000, Fredericton, N.B., May 19-21, **2000**.
- "Chiral Lithium Amide Bases and Their Use in the Synthesis of (-)-Reiswigin A", D. I. MaGee, D. E. Shannon and S. Setiadji, 82nd Canadian Society for Chemistry Conference and Exhibition, Toronto, Ontario, Abstract #0930, May 30-June 2, **1999**.
- "Synthetic Studies on Manzamine A: Stereoselective Synthesis of the Tricyclic ABC core", David I. MaGee and May Ling Lee, 216'th American Chemical Society Meeting, Boston, Massachusetts, Abstract #553, August 23-27, **1998**.
- "An Approach to Asymmetric [2+2] Cycloadditions with Dichloroketene", Tammy C. Mallais, George Strunz and David I. MaGee, 81'st Canadian Society of Chemistry Conference and Exhibition, Whistler, BC, Abstract #276, May 31-June 4, **1998**.
- "Synthesis of Manzamine C", David I. MaGee and Ellen J. Beck, 1998 Atlantic CIC AGM and Symposium/Workshop, St. F. X. University, Antigonish, Nova Scotia, June 28-30, **1998**.
- "Synthetic Studies on Manzamine A: Stereoselective Synthesis of the Tricyclic ABC core", David I. MaGee and May Ling Lee, Atlantic CIC AGM and Symposium/Workshop, St. F. X. University, Antigonish, June 28-30, **1998**.
- "An Approach to Asymmetric [2+2] Cycloadditions with Dichloroketene", Tammy C. Mallais, G. Strunz and David I. MaGee, Atlantic CIC AGM and Symposium/Workshop, St. F. X. University, Antigonish, June 28-30, **1998**.
- "Synthesis Studies on Manzamine A. Construction of the ABD-tricyclic Core" David I. MaGee and May Ling Lee, 80'th Canadian Society for Chemistry Conference and Exhibition, Windsor, June 1-4, Abstract #158, **1997**.
- "Studies Directed Towards the Total Synthesis of (-)-Reiswigin A", D. I. MaGee, D. Shannon and S. Setiadji, 80th Canadian Society for Chemistry Conference and Exhibition, Windsor, June 1-4, Abstract #640, **1997**.
- "An Approach to the Enantioselective Cycloaddition of Vinyl Ethers", G. Strunz, T. Mallais, D. I. MaGee and S. Kabanyane, 80'th Canadian Society for Chemistry Conference and Exhibition, Windsor, June 1-4, Abstract # 640, **1997**.
- "Synthesis of Manzamine C", D. I. MaGee and E. Beck, 80'th Canadian Society for Chemistry Conference and Exhibition, Windsor, June 1-4, Abstract # 658, **1997**.
- "Synthetic Studies on Manzamine. Diels-Alder Approach to the Pyrroloisoquinoline



- Skeleton." D. I. MaGee and May Ling Lee, 79<sup>th</sup> Canadian Society for Chemistry Conference and Exhibition, Memorial University, June 23-26, Abstract #306, **1996**.
- "Synthetic Studies Towards the Synthesis of Manzamine C", D. I. MaGee, E. Beck and M. Ramaseshan, 79<sup>th</sup> Canadian Society for Chemistry Conference and Exhibition, Memorial University, June 23-26, Abstract #200, **1996**.
- "Direct Alkylation of Aldehydes using Quaternary Ammonium Bases", S. Setiadji, Z. Valenta and D. I. MaGee, 79<sup>th</sup> Canadian Society for Chemistry Conference and Exhibition, Memorial University, June 23-26, Abstract #561, **1996**.
- "The use of Ketenes for the Construction of Nitrogen and Oxygen Heterocycles", 1995 International Chemical Congress of Pacific Basin Societies", D. I. MaGee, Honolulu, Hawaii, USA, December 17-22, **1995** (invited).
- "On the Synthesis of (-)-Reiswigen A", D. I. MaGee and S. Setiadji, 78<sup>th</sup> Canadian Society for Chemistry Conference and Exhibition, University of Guelph, May 28-June 1, Abstract #874, **1995**.
- "Synthesis of Substituted Furans", D. I. MaGee and J. Leach, 78<sup>th</sup> Canadian Society for Chemistry Conference and Exhibition, University of Guelph, May 28-June 1, Abstract #995, **1995**.
- "Synthesis of Substituted Furans", D. I. MaGee and J. Leach, Atlantic Division CIC Conference on Marine Natural Products Chemistry, Acadia University, Wolfville, NS, July 27-28, **1995**.
- "Studies directed towards the Total Synthesis of Reiswigen-A: The Role of Chiral Lithium Amide Bases", David I. MaGee, Atlantic Division CIC Conference on Marine Natural Products Chemistry, Acadia University, Wolfville, NS, July 27-28, **1995**.
- "Synthetic Studies on Manzamine A. Diels-Alder Approach to the Pyrroloisoquinoline Skeleton", David I. MaGee, Atlantic Division CIC Conference on Marine Natural Products Chemistry, Acadia University, Wolfville, NS, July 27-28, **1995**.
- "Studies on the Enantioselective Deprotonation of 2, 4-Dimethylbicyclo [3. 2. 1] octane-3-one", D. I. MaGee, S. Setiadji and R. A. Martin, 8<sup>th</sup> IUPAC Symposium on Organometallic Chemistry Directed Towards Organic Synthesis, Santa Barbara, California, USA, August 6-10, **1995**.
- "Studies Directed Towards the Total Synthesis of (-)-Reiswigen A", D. I. MaGee and S. Setiadji, 208<sup>th</sup> National ACS Conference, Washington, DC, USA, August 21-26, **1994**.
- "Ketenes. A Useful Intermediate for Macrocyclic Ring Formation", D. I. MaGee, M. Ramaseshan, J. Leach, and L. Liang. 76<sup>th</sup> Canadian Society for Chemistry Conference and Exhibition, Sherbrooke, Quebec, Canada (Abstract #181), May 30-June 3, **1993** (invited).
- "Synthesis of Nitrogen Heterocyclic Systems by Ketene Cyclization", M. Ramaseshan and D. I. MaGee, 76<sup>th</sup> Canadian Society for Chemistry Conference and Exhibition, Sherbrooke, Quebec, Canada (Abstract #189), May 30-June 3, **1993**.
- "Ketenes: A Convenient Method for the Construction of Lactones", D. I. MaGee and L. Liang, 75<sup>th</sup> Canadian Chemical Conference and Exhibition, Edmonton,

- Alberta, Canada (Abstract #588), May 31-June 4, **1992**.
- "New Strategy for Cyclization-O-Functionalization of 5-8-Membered Carbocyclic Rings", D. I. MaGee and S. T. Kabanyane, 4<sup>th</sup> Chemical Congress of North America, New York, New York, USA, August 25-30, **1991**.
- "Design, Synthesis and Utilization of a Chiral Amine Base", D. I. MaGee and R. Martin, 74<sup>th</sup> Canadian Chemical Conference and Exhibition, Hamilton, Ontario, Canada (Abstract #758), June 2-6, **1991**.
- "Synthetic Efforts Directed Towards the Quassinoids", S. Darvesh, A. S. Grant, D. I. MaGee, N. Stojanac, and Z. Valenta, Pacificchem Conference, Honolulu, Hawaii, USA, December **1989**.

### Direction of Graduate Students

#### Ph.D.

- Muhammad Algamal, "Synthesis of Himachalene Sesquiterpenes", January 2014 – present.
- Jordan Donahue, "Synthesis of the ABC-ring Skeleton of Manzamine B via a Diels-Alder approach", September 2010 – January 2016.
- Maggie Hood, "Synthesis of (-)-Reiswigin A" and "Homo-[4+3] cycloadditions, May 2008 – Withdrew Oct. 2016.
- Deepa Abeyssekera, "Design and Synthesis of Gold Monolayer Cluster Supported Catalysts – Toward Asymmetric Synthesis" Sept 2004 – October 2013.
- Tammy Mallais, "Enantioselective [2+2]-Cycloadditions with Dichloroketene: Towards the Synthesis of Cryptosporiopsin" June 1996 – December 2002.
- Dean Shannon, "Synthesis of (-)-Reiswigin A" September 1995 – January 2001, PhD.
- Ellen Beck, "Studies Towards the Synthesis of Manzamine C" September 1995 – January 2000.
- May Ling Lee, "Studies towards the Total Synthesis of Manzamine A", Sept. 1994 – January 1999.
- James Leach, "Part I: Directed Studies Towards the Efficient Synthesis of Highly Substituted Furans. Part II: The Total Synthesis of Calicogorgan C" May 1992 – June 1997.
- Santosa Setiadji, "Part I: Direct Alkylation of  $\alpha$ ,  $\alpha$ -Disubstituted Aldehydes. Part II: Studies Directed Towards the Synthesis of (-)-Reiswigin A." September 1992 – May 1996.
- Mahesh Ramaseshan, "Synthesis of Nitrogen Heterocyclic Systems via Ketene Cyclization Strategy", February 1990 – March 1995.

#### M.Sc.

- Graham Atwood, "Synthesis of a Suspected Kairmone of the Bronze Birch Borer", June 2018 – present.
- Aya Elbrosky, "The Sex Pheromone of Spruce Budworm (*Choristoneura fumiferana* Clem): Synthesis of Stereoisomeric Mixtures of 11-Tetradecenal via symmetrical 1, $\omega$ -diols", September 2018 – withdrew June

2019.

Raymond Arseneault, "The Sex Pheromone of Spruce Budworm (*Choristoneura fumiferana* Clem): Synthesis of Stereoisomeric Mixtures of 11-Tetradecenal via symmetrical 1, $\omega$ -diols", January 2017 – withdrew August 2017.

Martin Maniafu, "The Sex Pheromone of Spruce Budworm (*Choristoneura fumiferana* Clem): Synthesis of Stereoisomeric Mixtures of 11-Tetradecenal", January 2015 – June 2017.

Fayza Aljohany, "Synthesis of Thioamides by Trapping of Thioketenes with Primary and Secondary Amines", September 2013 – October 2016.

Narjs Alnakhli, "Intramolecular Diels-Alder Reactions of Medium to Large Ring Dienophiles", September 2013 – January 2016.

Thalie Boucher, "Unusual Homologous Allenes from the Parasitic Wasp *Wroughtonia occidentalis* (Hymenoptera: Brachonidae), a Native Parasitoid of the Exotic Longhorned Beetle, *Tetropium fuscum* (Coleoptera Cerambycidae); Structure, Synthesis and Stereochemistry", September 2011 – October 2015.

Jessica McConaghy, "Synthesis of [3.2.1] Bicyclic Ketones via Morita-Baylis-Hillmann Adducts", September 2009 – 2011.

Same Ratshonka, "Synthesis and use of  $\beta$ -Substituted Baylis-Hillmann Adducts", September 2007 – November 2009.

Junping Wu, "Studies Towards the Synthesis of Insect Pheromones", January 2006 – December 2008.

Alina Tarnauceanu, "Studies towards the Synthesis of Manzamine Alkaloids", September 2005 – May 2008.

Arto Krikorian, "Studies towards the Synthesis of Manzamine Alkaloids", September 2001 – December 2004.

Edouard Godineau, "Enantioselective [4+3]-Cycloadditions", September 2002 – September 2004.

Pauline Robin, "Synthesis of Potential Cholinesterase Inhibitors", October 1999 – September 2001.

Kelly Mullen, "Pest Control Management: The Synthesis of Insect Pheromones", June 1998 – June 2001.

Yuhang He, "Asymmetric Deprotonations: Application Towards the Synthesis of Dicranenone A", September 1993 – withdrew September 1994.

Robin Martin, "Design, Synthesis and Utilization of Chiral Lithium Amide Bases", May 1990 – July 1992.

Liang Li, "Ketenes: A Convenient Method for the Construction of Lactones", July 1990 – May 1992.

Sidima Kabanyane, "Acetylenic Sulfur Chemistry; Preparation and Oxidation of Alkynyl Sulfides", September 1989 – April 1992.

### **Direction of Undergraduate Students**

Michel Deschenes, "Synthesis of a Unsaturated Esters for use in the Investigation of Triflic Acid Mukiyama Micheal Reactions", May 2018 - August 2018, Chemistry BSc.

Michel Deschenes, "Synthesis of a 7-Carbon Chain for Use in the Himachalenes", January 2018 - April 2018, Chemistry BSc.

Preema Sarkar, "Synthesis of Two Spruce Budworm Antifeedants, Picein and Pungenin", September - April 2018, Chemistry BSc.

Graham Atwood, "Asymmetric [2+2] Ketene Cycloaddition via 4-Phenyl-1,3-oxazolidin-2-one Chiral Auxiliary", September 2017 - April 2018, Chemistry BSc.

Viseth Long, "The Effect of Ring Size on the End/Exo Ratios in Intramolecular Diels-Alder Reaction", September 2017 - April 2018, Chemistry BSc.

Jamie Frampton, "Investigation and Evaluation of Different Synthetic Route to the Himachalene Sesquiterpenes", January 2017 - April 2017, Chemistry BSc.

Jamie Frampton, "Investigation and Evaluation of Different Synthetic Route to the Himachalene Sesquiterpenes", September 2016 - December 2016, Chemistry BSc.

Melanie Michaud, "Investigation and Evaluation of A Synthetic Route to the Spruce Budworm Pheromone", Sept. 2016 - May 2017, Chemistry BSc Honours.

Aaryn Bell, "Desymmetrization of Symmetrical Diols: Application towards Insect Pheromones", Sept. 2016 – Dec. 2016, Chemistry BSc COOP student.

Zhen Xiao, "Investigation and Evaluation of Different Synthetic Routes to the Spruce Budworm Pheromone ", June 2016 - May 2016, MITACS Globalink.

Viseth Long, "Synthesis of the Spruce Budworm Pheromone using the Julia-Kocienski reaction", May 2016 - August 2016, Chemistry BSc Honours.

Laura Demerchant, "Mono-acylation of Symmetrical Diols", May 2016 - August 2016, Chemistry BSc Honours.

Viseth Long, "Effect of ring size on the endo/exo ratio's in the intramolecular Diels-Alder reaction", January 2016 - April 2016, Chemistry 2009 – Independent project, BSc Honours.

Jillian McNally, "Intramolecular Diels-Alder of an acyclic nitroalkene for the synthesis of the manzamine A, B, C-ring core", September 2015 – April 2016, BSc Honours.

Kayla Toner, "Synthesis of Emerald Ash Borer pheromone analogues", September 2015 – April 2016, BSc Honours.

Meghan McKinley, "Intramolecular Diels-Alder reaction of a Cyclooctenone derivative", September 2015 – April 2016, BSc Honours.

Michael Yitayew, "Investigation of a Chiral Oxazolidinone in a Ketene-Alkene [2+2] Cycloaddition", September 2015 – April 2016, BSc Honours.

Laure Sheel, "Investigation of a Chiral Oxazolidinone in a Ketene-Alkene [2+2] Cycloaddition", September 2014 – April 2015, BSc Honours.

Courtney Granter, "The Nazarov Cyclization as a Method of Producing Cyclopentenone Derivatives in Natural Product Synthesis", September 2014 – April 2015, BSc Honours.

Madeleine Adam, "Rearrangement of macrocyclic N-hydroxyamides: A question of regiochemistry", May 2013 – July 2014, Canada Summer Jobs

placement.

- Melissa MacDonald, "Rearrangement of macrocyclic N-hydroxyamides: A question of regiochemistry", May – August, 2014, (SEED), BSc Honours.
- Viseth Long, "Synthesis of the Spruce Budworm Pheromone", May 2014 – August 2014, NBIF-RAI summer student.
- Jonathan Cann, "The Use of Meldrums acid in Ketene cyclizations", January 2014 – April 2014, BSc Honours.
- Madeleine Adam, "Rearrangement of macrocyclic N-hydroxyamides: A question of regiochemistry", September 2013 – April 2014, BSc Honours.
- Nick Benfey, "Synthesis of trans 2-methyl-5-tert-butylbutyrolactone", September 2013 – April 2014, BSc Honours.
- Jonathan Cann, "The Use of Meldrums acid in Ketene cyclizations", September 2013 – December 2013, BSc Honours.
- Madeleine Adam, "Synthesis of an Emerald Ash Borer Pheromone Analogue", May 2013 – August 2013, NSERC USRA.
- Elias Oussedik, "Towards the Investigation of Thioketenes and Their Use in Heterocyclic Reactions", September 2012 – April 2013, BSc Honours.
- Madeleine Adam, "Synthesis of a Key Intermediate for the Synthesis of (-) – Reiswigin A", May 2012 – August 2012, NSERC USRA.
- Alyssa Brewer, "The Synthesis of One of the Suspected Components of the Blueberry Spanworm Pheromone", September 2011 – April 2012, BSc Honours.
- Brandon Leblanc, "Determination and Attempted Resolve of the Synthetic Error Occurring in the Synthesis of a Ketoacid From Cyclododecanone", January 2012 – April 2012, BSc Honours.
- Rob Walton, "Synthesis of *tert.*-Leucine via the Leuckart Type Reaction and Strecker Reaction", January 2012 – April 2012, BSc Honours.
- Brittany Beattie, "Synthesis of (3*E*)-dodecen-12-olide, a potential pheromone component of the Emerald Ash Borer", May 2011 – August 2011, NSERC USRA.
- Brittany Beattie, "Synthesis and use of a Chiral Auxiliary for [2+2]-cycloadditions", May 2010 – August 2010, NSERC USRA.
- Elena McIntyre, "Investigations on the Beckman rearrangement of cyclic enones", May 2010 – August 2010, NSERC USRA.
- Jordan Donahue, "Synthetic Studies on the Manzamine Alkaloids: A Diels-Alder approach to the ABC-tricyclic subunit of Manzamine B", September 2009 – April 2010, BSc Honours.
- Jordan Donahue, "Synthetic Studies on the Manzamine Alkaloids: Synthesis of the ABC-tricyclic subunit of Manzamine B", May 2009 – August 2009, NSERC USRA.
- Katelyn Mathers, "Use of Meldrums Acid as a Ketene Precursor for the Construction of Lactones", May 2009 – August 2009, NSERC USRA.
- Brittany Beattie, "Synthesis of Insect Contact Pheromones for Pest Management", May 2009 – August 2009, NBIF - RAI summer student.
- Elizabeth MacDonald, "A Solid State Based Imidazolidinone Chiral Auxiliary for use in Diastereoselective [4+3] Cycloadditions", Sept. 2008 – April 2009,

BSc Honours.

- Adrienne Langile, "Synthetic Studies on an ABC-Tricyclic Model of Manzamine B", Sept. 2008 – April 2009, BSc Honours.
- Sarah Ackerman, "Studies Directed Toward the Enantioselective Synthesis of 1-Methyl-8-azabicyclo[3.2.1]octane From an 8-Aza-bicyclo[3.2.1]octane Skeleton", Sept. 2008 – April 2009, BSc Honours.
- Jordan Donahue, "Synthesis and Evaluation of Glycourils for Intramolecular [4+3]-Cycloadditions", May 2008 – August 2008, NSERC USRA.
- Katelyn Mathers, "Synthesis of a [3,2,1]-Bicyclic Ketone for use in Asymmetric Hydrazone Deprotonations", May 2008 – August 2008, NSERC USRA.
- Serena Sandford, "Synthesis of an Insect Contact Pheromone for Pest Management", May 2008 – August 2008, NBIF - RAI summer student.
- Alaina McGrath, "Synthesis of Insect Pheromones for Pest Management", May 2008 – August 2008, NBIF - RAI summer student.
- Maggie Hood, "Investigations Into the Synthesis of a [3.2.1]-Bicyclic Diketone", September 2007 – April 2008, BSc Honours.
- Jessica McConaghy, "Synthesis and Use of an  $\alpha$ -Substituted MVK analogue", September 2007 – April 2008, BSc Honours.
- Alaina McGrath, "Synthetic Utilization of the Acyloin Reaction Based on Transannular and Intramolecular Trapping of the Putative Semidione Intermediate", September 2007 – April 2008, BSc Honours.
- Maggie Hood, "Asymmetric Deprotonation of [3.2.1]-Bicyclic Ketones and Hydrazones", May 2007 – August 2007, NSERC USRA.
- Heidi Mills, "Insect Pheromones: Development of a Large Scale Route to Optically Enriched Fuscomol", May 2007 – August 2007, NSERC USRA.
- Alex Hendry, "Asymmetric Deprotonation of [3.2.1]-Bicyclic Ketones and Hydrazones", September 2006 – January 2007, BSc Honours (withdrew).
- Maggie Hood, "Synthesis of a Chiral Auxiliary for Use in Cycloaddition Chemistry", May 2006 – August 2006, NSERC USRA.
- Lyndsay Brooks, "Improvements on Large Scale Synthesis of a Tricyclic Oxazolidinone Chiral Auxiliary for Diastereoselective [4+3] and [2+2] Cycloadditions", September 2005 – April 2006, BSc Honours.
- Lyndsay Brooks, "Asymmetric [4+3] Cycloadditions Using a Solid Supported Auxiliary", May 2005 – August 2005, NSERC USRA.
- Amanda Finn, "Polymer Supported [4+3] Cycloadditions", Sept. 2004 – April 2005, BSc Honours.
- Lyndsay Brooks, "[4+3] Cycloadditions using Ionic Liquids", May 2004 – August 2004, NSERC USRA.
- Marijana Eic, "Synthesis of 1-Adamantylglycine via a Crystallization-Induced Strecker Transformation", Sept. 2003 – April 2004, BSc Honours.
- Kraig Worrall, "Testing the Limits of Hydroxy-Halo Exchange in  $\beta$ -Conjugated Diosphenols", September 2003 – May 2004, BSc Honours.
- Crystal Craig, "A 9,10-Dimethylantracene Based Chiral 2-Oxazolidinone for use in Diastereoselective [2+2] Cycloadditions", September 2003 – April 2004, BSc Honours.
- Marijana Eic, "Development of an Asymmetric [4+3]-Cycloaddition Strategy",

May 2003 – September 2003, NSERC USRA.  
Crystal Craig, "Development of an Aryl Chiral Auxillary for Asymmetric [4+3] Cycloadditions", May 2003 – September 2003, NSERC USRA.  
Paul Thorton, "Asymmetric [4+3] Cyloadditions", May 2002 – April 2003, NSERC USRA and BSc Honours.  
Marijana Eic, "Development of a General Synthesis of Chiral  $\alpha$ -keto-Esters", May 2002 – September 2002, NSERC USRA.  
Justin Williams, "Development of a Formal Asymmetric [4+3] Cycloaddition Strategy for the Synthesis of Carbo-bicyclic Systems", May 2002 – August 2002, NSERC USRA.  
Justin Williams, "Development of a Formal Asymmetric [4+3] Cycloaddition Strategy for the Synthesis of Carbo-bicyclic Systems", Sept. 2002 – April 2003, BSc Honours.  
Amy Flinn, "Synthesis of a Chiral Lithium Amide Base", September 1999 – May 2000, BSc Honours.  
Trevor Bourque, "Aldehyde Alkylations with a Quaternary Ammonium Base", September 1998 – May 2000, BSc Majors.  
Karl Babineau, "Synthesis of Potential Cholinergic Agents", September 1997 – May 1998, BSc Honours.  
Kendall Bateman, "Thioamides via a Sequential Thioclaissen-Thioketene Cyclization", September 1996 – May 1997, BSc Honours.  
S. Christine Bourque, "The Synthesis and Mass Spectral Analysis of Enynes for Determination of Pheromone Structures", September 1996 – May 1997, BSc Honours.  
Donald Macquarrie, "Efforts towards the Total Synthesis of Combretastatin D2", September 1994 – May 1995, B.Sc. Honours.  
Nathan Nielsen, "Synthesis of Cyclopentanoid Intermediates", September 1993 – May 1994, BSc Majors.  
Brent Jewett, "Synthesis of 2,5-Diphenyl Pyrrolidine", September 1993 – May 1994, BSc Majors.  
Dyanne Brewer, "Desymmetrization of Cyclic *meso*-Ketones", September 1992 – May 1993, BSc Honours.  
John Letourneau, "Synthesis of a Proline-Derived Base", September 1992 – May 1993, BSc Majors.  
Marc Wellman, "Synthesis of a Chiral Amine Base", September 1992 – May 1993, BSc Majors.  
Scott Brownridge, "New Methods for Quinolizidine Alkaloids", September 1991 – May 1992, BSc Honours.  
Todd Way, "Medium Ring Cyclization Studies", September 1991 – May 1992, BSc Honours.