

Christopher N. Boddy

Department of Chemistry and Biomolecular Sciences
University of Ottawa
116 D'Iorio Hall
10 Marie Curie
Ottawa ON Canada, K1N 6N5

Tel. 613-562-5800 x 8970 (office)
Tel. 613-762-8900 (cell)
Fax 613-562-5170
E-mail cboddy@uottawa.ca
www.boddylab.ca

Affiliations

Department of Biology
Centre for Catalysis Research and Innovation
Centre for Chemical and Synthetic Biology

Education

The Scripps Research Institute
Ph.D. in organic synthesis (with K. C. Nicolaou), 2001

University of Alberta
B.Sc. Honours Chemistry, 1995

Professional Experience

Full Professor, Department of Chemistry and Biomolecular Sciences, University of Ottawa (2016-present)

Visiting Professor, Department of Chemistry, Universidad Nacional de Costa Rica (2024)

Visiting Professor, Department of Chemistry and Biochemistry, University of California San Diego (2014)

Visiting Professor, Department of Chemistry, Universidad Nacional de Costa Rica (2013)

Associate Professor, Department of Chemistry, University of Ottawa (2008 - 2016)

Assistant Professor, Department of Chemistry, Syracuse University (2004 - 2008)

NIH Postdoctoral Fellow, Department of Chemistry and Biochemistry, Stanford University, (2001-2004): Research with Prof. Chaitan Khosla studying the enzymes involved in secondary metabolite biosynthesis

Postdoctoral Fellow, Department of Cell Biology, The Scripps Research Institute (2001): Research with Prof. Phil Dawson studying developing new chemistry to couple unprotected denatured peptides and proteins.

Graduate Research Associate, Department of Chemistry, The Scripps Research Institute (1995-2001): Research with Prof. K. C. Nicolaou studying the total synthesis of the antibiotic vancomycin and the anticancer agent epothilone.

Awards

Faculty of Science Teaching Award, University of Ottawa, 2025

Excellence in Education Prize, University of Ottawa, 2024

Chair's Service Excellence Award, University of Ottawa, Department of Chemistry and Biomolecular Sciences, 2023

Chair's Service Excellence Award, University of Ottawa, Department of Chemistry and Biomolecular Sciences, 2021

IntelliSyn Pharma Research Excellence Award, 2018

Professor of the Year, Science Student Association, 2015

Early Researcher Award, Ministry of Research and Innovation, 2010-2015

Pfizer Fellow, Natural Product Gordon Research Conference 2002

National Research Service Award, National Cancer Institute 2001-2004

Natural Sciences and Engineering Research Council of Canada Postgraduate Fellowship (declined) 1995

Canada Scholarship 1991-1995

Alberta Heritage Medical Research Summer Studentship 1993-1994

Funding

BioCanRX (2024-2027) Advancing GMP-Compliant Lentiviral Vector Manufacturing Enhancers for Cost-Effective Production of Anti-Cancer Cell Therapies. \$732,786.60
NFRF (2024-2026) Improving and accelerating viral therapeutics biomanufacturing through lipidomics \$249,573.00
NSERC DG (2024-2029) Harnessing biosynthesis to produce complex molecules \$345,000.00
NSERC RTI (2020) Peptide synthesizer essential for natural products and chemical biology research. \$86,802.00
BioCanRX (2020-2023) Development of Supporting Analytical Assays and Regulatory Compliance Package for Viral Sensitizer Technology Commercialization. \$57,000.00
NSERC Discovery Grant (2019-2024) Synthesis and Biosynthesis of Polyketide Natural Products. \$320,000.00
NSERC RTI (2018) MS detector to replace previous LCMS detector damaged in a catastrophic electrical fire. \$150,000.00
CRS-CIHR (2017-2019) Characterization of a new pharmaco-viral approach for the treatment of brain cancer. \$120,000.00
NSERC CRD (2017-2020) Viral sensitizer technology for increasing yield of vaccines produced in cell culture. \$405,000
NSERC Accelerator supplement (2014-2017) Synthesis and Biosynthesis of Polyketide Natural Products. \$120,000.00
NSERC Discovery Grant (2014-2019) Synthesis and Biosynthesis of Polyketide Natural Products. \$492,500.00
OTTN POP (2013) 2nd Generation Viral Sensitizer 1 with improved properties. \$10,000.00
CFI-LEF (2013) Sustainable Chemical Synthesis from Renewable Feedstocks, \$11,465,704.00
CHRP (2012-2015) Development of small molecule viral sensitizers to boost vaccine manufacturing, \$789,160.00
NSERC EG (2012) Development of a process for the manufacture of pseudaminic acid. \$25,000
NSERC EG (2010) Development of an assay for residual protease detection and quantification. \$21,500.00
NSERC RTI (2010) MALDI-TOF mass spectrometry for biomolecule characterization. \$128,489.00
NSERC CREATE (2009-2014) Medicinal Chemistry and Biopharmaceutical Development. \$1,388,360.00
NSERC Discovery Grant (2009-2014) Synthesis and Biosynthesis of Polyketide Natural Products. \$200,000.00
OTTN (2009) Demonstration of a novel Platform for natural products drug discovery. \$10,000.00
ORI-RI (2009) Laboratory for Natural Product Biotechnology. \$130,347.00
CFI-LOF (2008-2009) Laboratory for Natural Product Biotechnology. \$130,380.00
The Clinton Foundation HIV/AIDS Initiative (2007-2008) Improvements for the Tenofovir and Ritonavir manufacturing processes. \$49,150.00
Shimadzu Scientific Inc. (2004) Application of LCMS Technology to Study Synthesis and Biosynthesis of Complex Polyketides. \$57,000.00.

Service

NSERC Cellular and Molecular Biology Scholarships review committee, 2025-2028
Selection Committee for the Director of CCRI, 2025
Sponsorship Committee Co-Chair, CSC National Meeting, 2025
Biological and Medicinal Division Technical Chair, CSC National Meeting 2025
Treasurer, Biological Medicinal division CSC 2025
Secretary, Biological Medicinal division CSC 2024
Faculty Teaching and Personnel Committee, 2022-2024
Editorial Board, *Natural Product Reports*, 2020-2026
Editorial Board, *Applied and Environmental Microbiology*, 2019-2027
CIHR Peer Review Committee, COVID-19 Therapeutics 2020
Section Editor for Chemical Biology, *Molecules*, 2018-2020
Academic Editor, *PLoS One*, 2018-
Chair GRC Natural Products and Bioactive Compounds 2018
External evaluator, Western Biochemistry undergraduate program 2018
NIH study section SBCB, ad hoc member Feb 2018
Vice-chair GRC Natural Products and Bioactive Compounds 2017
External evaluator, SUNEY-ESF Biochemistry Undergraduate program, 2016
Session Chair, CSC 2016
NIH study section BCMB-W (02), April 2016
Director, Biochemistry Program, 2015-present
Faculty Executive, BCH program, 2015-2020
Biochemistry Curriculum Committee, 2014-present
CRC T2 Chemical Biology Faculty Search Committee, 2015-16
Chemical biology/Biochemistry Faculty Search Committees, 2014-2015
CRC T2 Chemical Biology Faculty Search Committee, 2014

CRC T2 Molecular Pharmacology Faculty Search Committee, 2014
BPS/BIM Faculty Search Committee, 2014
College of reviewers for NSERC IRDF, 2013-2014
BPS/BIM Faculty Search Committee, 2013
FQRNT Medicinal Chemistry study section 2013
Chemistry Space Committee 2012-2013
Working group on e-Learning, 2012-2013
Internal reviewer for uOttawa Neuroscience graduate program 2012-2013
Centre for Catalysis Research and Innovation EOC, Chair 2011-2013
Chemistry Departmental Personnel and Teaching Committee 2010 - 2013
Ontario Graduate Scholarship Chemistry Selection Committee Chair 2011
Ontario Graduate Scholarship Chemistry Selection Committee, 2010
Chemistry Department Graduate Recruiting Committee, 2009-2011
Faculty council, 2008-2010
Exploratory committee for Chemical Biology Development and Senior Hire, 2005-2007
Department of Biology, Faculty Search Committee, 2005-2006
Chemistry Department Instrument committee 2004-2007
Biology Department Cell Signaling Search committee, 2004-2005

Thesis examination committees (last 3 years)

Elnaz Yaghoobi, MSc (2025, uOttawa)
Atalay Bora Basar, MSc (2025, uOttawa)
Nathaline Ahmad, PhD (2025, uOttawa)
Dmitry Saraev, PhD (2025, uOttawa)
Marcel Deney, PhD (2025, University of the West Indies)
Alana Rangaswamy, PhD (2025, uOttawa)
Samantha Hollands, PhD (2025, Queens)
Salmaan Chummun, MSc (2025, uOttawa)
Matthew Diamandas, PhD (2025, University of Toronto)
Braeden Mair, PhD (2025, uOttawa)
Johnathan Emlaw, PhD (2024, uOttawa)
Abdullah Khraibah, MSc (2024, uOttawa)
Jessica Tran, MSc (2024, uOttawa)
George Hilan, MSc (2024, Carleton University)
Jordan Pham, MSc (2024, uOttawa)
Marshall Timmermans, PhD (2024, Queens University)
Aiden Torrens, MSc (2024, uOttawa)
Liam Berry, PhD (2024, University of Manitoba)
Kumardip Sinha, MSc (2024, uOttawa)
Partha Pratim Chakraborty, PhD (2024, uOttawa)
Nicolas Calvert, PhD (2024, uOttawa)
Rojo Vola Rakotoharisoa, PhD (2023, uOttawa)
Funing Lin, PhD (2023, University of Toronto)
Ali Tehfe, MSc (2023, uOttawa)
Eric Gates, PhD (2023, uOttawa)
Tanya Sharma, MSc (2023, uOttawa)
Yuxuan Gu, MSc (2023, uOttawa)
Julia Mandato, MSc (2023, uOttawa)
Sarah Watt, MSc (2023, uOttawa)
Christine Hum, MSc (2023, uOttawa)
Navoun Silue, PhD (2023, uOttawa)
Nicholas Streja, MSc (2023, uOttawa)
Britany Stewart, MSc (2022, uOttawa)
Nadine Ahmed, PhD (2022, uOttawa)
Salma Riad Alasmir-Abdou, PhD (2022, uOttawa)
Mariam Serhan, MSc (2022, uOttawa)
Ali Shukri, MSc (2022, uOttawa)
Abdel LePabic, MSc (2022, uOttawa)
Myriam St-Onge Carle, PhD (2022, uOttawa)

Kyle Tomaro, MSc (2022, uOttawa)
Nnamdi Fred Uchenna, PhD (2022, uOttawa)
Anna Ampaw, PhD (2022, uOttawa)

Lectures and Conferences (total of 101)

2025 Queens University
University of Toronto
Scripps Institute of Oceanography
Scripps Research Institute
University of New Brunswick
Mount Allison University
2024 Dalhousie University
University of PEI
Thompson Rivers University
University of Manitoba
107th Canadian Chemistry Conference and Exhibition
Congreso de Química Costa Rica
2023 III Bio.Natural 2023 – Bioactive Natural Products Research Conference, Portugal
106th Canadian Chemistry Conference and Exhibition
Chemical Biology of Natural Products symposium, University of Utah
2022 105th Canadian Chemistry Conference and Exhibition
2021 104th Canadian Chemistry Conference and Exhibition
II Bio.Natural-Bioactive Natural Products Research Meeting, Portugal
2020 Mona Symposium on Natural Products & Medicinal Chemistry, Jamaica
McGill University
TU Dresden
2019 Concordia University
Ottawa Carleton Chemical Institute
2018 Industrial Synthetic Biology Congress
French American Chemical Society meeting
CSC 101th Canadian Chemistry Conference
Manitoba Chemistry Symposium
PepTalk 2017
2017 Natural Product Gordon Research Conference
Synthetic Biology for Natural Products
2016 CSC 99th Canadian Chemistry Conference
Natural Product Gordon Research Conference
2015 Natural Products Gordon Research Conference
National Meeting of the American Chemical Society, Denver CO
University of British Columbia
Carleton University
University of Manitoba
2014 CSC 97th Canadian Chemistry Conference
Natural Products Gordon Research Conference
University of Toronto
University of Notre Dame
University of California San Diego
2013 University of Oregon
University of Saskatchewan
University of Regina
State University of New York, Environmental Science and Forestry
University of Alberta
University National, Costa Rica
Natural Products Gordon Research Conference
CSC 96th Canadian Chemistry Conference
2012 Natural Products Gordon Research Conference
CSC 95th Canadian Chemistry Conference
2011 Centre for Catalysis Research and Innovation, Annual Board Meeting
Bioorganic Chemistry Gordon Research Conference

- 2010 CSC 94th Canadian Chemistry Conference
 McMaster University
 Rochester Institute of Technology
- 2009 CSC 93rd Canadian Chemistry Conference
 North Eastern Regional Meeting of the American Chemical Society
 Natural Products Gordon Research Conference
- 2008 CSC 92nd Canadian Chemistry Conference
 Zing Conference on Natural Products
 Natural Products Gordon Research Conference
- 2007 Eli Lily Summer Seminar Series
 Alfred University
 NSF Workshop in Synthetic and Natural Products Chemistry
 Colorado State University
 Notre Dame University
 Natural Products Gordon Research Conference
 University of Ottawa
 Brown University
 Oxford University Department of Chemistry
 Oxford Glycobiology Institute
 National Research Council of Canada
 Natural Products Gordon Research Conference
 Amherst College
- 2006 State University of New York, Oswego
 Transatlantic Frontiers in Chemistry
 Natural Products Gordon Research Conference
 Worcester State College
 Stonehill College
 Seton Hall University
- 2005 Upstate Medical School, Division of Infectious Disease
 Natural Products Gordon Research Conference
 NIH Mentoring Workshop in Chemical Biology
 Youngstown State University
 SUNY Environmental Science and Forestry
 Hamilton College
- 2004 University of Cincinnati
 Ithaca College
 Syracuse University
 University of Toledo
 McGill University
 University of British Columbia
 Washington University St. Louis
 Cornell University
 Vanderbilt University
 The Ohio State University
- 2003 Duke University
 University of Hawaii, Manoa
 University at Buffalo
- 2002 Natural Products Gordon research Conference

Publications

(6307 citations; h-index = 39; i10-index = 71; Google Scholar Jan 2026)

94. **Unlocking Efficiency: Tandem Biocatalysis and C-H Activation via Transient Directing Groups.** Fred Nnamdi, Christopher N. Boddy. Michael Organ *submitted*.
93. **The ATP-dependent protease ClpYQ degrades cell division proteins DivIVA and Mbl in *Bacillus subtilis*.** Taylor D. Lanosky, Michael G. Darnowski, Jordan T. Brazeau-Henrie, Puneet Labana, and Christopher N. Boddy *submitted*

92. **Lipidomic profiling of influenza A virus production in MDCK cells towards targeted clone selection.** Jocelyn A Menard; Tilia Zinnecker; Elena Godbout; Joshua A Roberts; Rozanne Arulanandam; Andrew Chen; Anne Landry; Christopher N Boddy; Udo Reichl; Jean-Simon Diallo; Yvonne Genzel; Jeff Smith *Sci Rep.* **2025**, *accepted*.
91. **Discovery of fusadapamides, accessory chromosome-associated metabolites incorporating L-2,3-diaminopropionic acid in *Fusarium poae*** Thomas E. Witte, Linda J. Harris, Luke Albert Paquette, Anne Hermans, Amanda Sproule, Anne Johnston, Jason Ma, Michael Darnowski, Whynn Bosnich, Danielle Schneiderman, Xiben Wang, Benjamin A. G. Beavington, Christopher N. Boddy*, David P. Overy* *J. Nat. Prod.* **2025**, *accepted*.
90. **N-Alkyl substituted Armeniaspirol analogs show potent antibiotic activity and have low susceptibility to resistance.** Michael G. Darnowski, Taylor D. Lanosky, Antonio D. Spada, Jason Ma, André R. Paquette, Christopher N. Boddy* *Bioorg Med Chem Lett* **2025**, *121*, 130137. doi: 10.1016/j.bmcl.2025.130137.
89. **Comprehensive Untargeted Lipidomic Profiling of Third Generation Lentiviral Vectors and Packaging Cells.** Joshua Roberts, Elena Godbout, Jocelyn Menard, Christopher N. Boddy, Jean-Simon Diallo, Jeffrey Smith *Mol Omics* **2024**, *20*, 642-653. doi: 10.1039/d4mo00052h.
88. **Thioesterases as a tool for chemoenzymatic synthesis of macrolactones.** André R. Paquette Jordan H. Brazeau-Henrie and Christopher N. Boddy *Chem Commun.* **2024**, *60*, 3379-3388. doi: 10.1039/D4CC00401A
87. **Double stranded DNA binding stapled peptides, an emerging tool for transcriptional regulation.** André R. Paquette and Christopher N. Boddy *ChemBioChem*, **2023**, *24*, e202300594. doi: 10.1002/cbic.202300594
86. **Total and Chemoenzymatic synthesis of the lipodepsipeptide rhizomide A.** Corinne Lepetit, André R. Paquette, Jordan T. Brazeau-Henrie, Michael G. Darnowski and Christopher N. Boddy *Bioorg Med Chem Lett.* **2023**, *96*, 129506. doi: 10.1016/j.bmcl.2023.129506
85. **Macrocyclization strategies for the total synthesis of cyclic depsipeptides.** André R. Paquette and Christopher N. Boddy *Organic Biomol Chem* **2023**, *21*, 8043. doi: 10.1039/d3ob01229h.
84. **CRISPR-Cas9 Gene Editing and Secondary Metabolite Screening Confirm *Fusarium graminearum* C16 Biosynthetic Gene Cluster Products as Decalin-Containing Diterpenoid Prones** Carmen Hicks, Thomas E. Witte, Amanda Sproule, Anne Hermans, Samuel W. Shields, Ronan Colquhoun, Chris Blackman, Christopher N. Boddy, Rajagopal Subramaniam and David P. Overy *J. Fungi* **2023** *9*, 695. doi: 10.3390/jof9070695
83. **Characterization of Arthropeptide B, an Antifungal Cyclic Tetrapeptide from *Arthrobacter humicola*.** Gomez Jun Sebastian, Michael Shaikhet, A. Kiripuvaney Loganathan, Micheal G. Darnowski, Christopher N. Boddy, David R. McMullin, Tyler, J Avis *J Chem Ecol.* **2023** *49*, 528. doi: 10.1007/s10886-023-01438-x
82. **Armeniaspirol analogues disrupt the electrical potential ($\Delta\Psi$) of the proton motive force.** Michael G. Darnowski, Taylor D. Lanosky, Andre R. Paquette, and Christopher N. Boddy *Bioorg Med Chem Lett.* **2023** *84*, 129210. doi: 10.1016/j.bmcl.2023.129210.
81. **A comparison of hard and soft direct methods for DNA extraction from soil.** Patrick Hill, Mathieu F. Dextraze, David Kroetsch, Christopher N. Boddy *BioRxiv*, **2023**, doi: 10.1101/2022.03.07.483395
80. **In vitro biochemical characterization of excised macrocyclizing thioesterase domains from non-ribosomal peptide synthetases.** Jordan T. Brazeau-Henrie, André R. Paquette, Christopher N. Boddy *Methods Mol Biol.* **2023**, *2670*, 101-125. doi: 10.1007/978-1-0716-3214-7_5.
79. **Synthesis of a constitutional isomer of armeniaspirol A, pseudoarmeniaspirol A, via Lewis acid-mediated rearrangement.** Michael G. Darnowski, Taylor Lanosky, Andre R. Paquette, Christopher N. Boddy *J. Org. Chem.* **2022**, *87*, 15634–15643. doi: 10.1021/acs.joc.2c02331
78. **Untargeted metabolomics screening reveals unique secondary metabolite production from *Alternaria* section *Alternaria*.** Thomas E Witte, Nicolas Villeneuve, Samuel W Shields, Amanda Sproule, Quinn Eggertson,

Natalie E Kim, Christopher N Boddy, Jeremy R Dettman and David Patrick Overy *Front. Mol. Biosci.* **2022**, *9*, 1038299 doi: 10.3389/fmolb.2022.1038299

77. **Total and Chemoenzymatic Synthesis of Seongsanamide E.** Jordan, T. Brazeau-Henrie, Andre R. Paquette, Allison Q. O'Rourke, Michael G. Darnowski, Christopher N. Boddy *Org Lett.* **2022**, *24*, 6369. doi: 10.1021/acs.orglett.2c02271.
76. **Biomining in Cave Bacteria-Popcorn and Soda Straw Crystal Formations, Morphologies, and Potential Metabolic Pathways.** Keagan Koning, Richenda McFarlane, Jessica T. Gosse, Sara Lawrence, Lynnea Carr, Derrick Horne, Nancy Van Wagoner, Christopher N. Boddy, Naowarat Cheeptham N. *Front Microbiol.* **2022** *13*, 933388. doi: 10.3389/fmicb.2022.933388.
75. **RpoN-based stapled peptides with improved DNA binding suppress *Pseudomonas aeruginosa* virulence** Andre Paquette, Sterling Payne, Geoffrey McKay, Jordan Brazeau-Henrie, Michael Darnowski, Anitha Kammili, Federico Bernal, Thien-Fah Mah, Samantha Gruenheid, Dao Nguyen, Christopher N. Boddy *RSC Med Chem* **2022**, *13*, 445-455.
74. **Armeniaspirol analogues with more potent Gram-positive antibiotic activity show enhanced inhibition of the ATP-dependent proteases ClpXP and ClpYQ.** Michael G. Darnowski, Taylor Lanosky, Puneet Labana, Jordan Brazeau-Henrie, Nicholas Calvert, Mark H. Dornan, Claudia Natola, Andre Paquette, Adam J. Shuhendler, Christopher N. Boddy *RSC Med Chem* **2022**, *13*, 436-444.
73. **Evolution of the Ergot Alkaloid Biosynthetic Gene Cluster Results in Divergent Mycotoxin Profiles in *Claviceps purpurea* Sclerotia.** Carmen Hicks, Thomas E. Witte, Amanda Sproule, Tiah Lee, Parivash Shoukouhi, Zlatko Popovic, Jim G. Menzies, Christopher N. Boddy, Miao Liu, David P. Overy *Toxins* **2021**, *13*, 861.
72. **A metabolomic study of vegetative incompatibility in *Cryphonectria parasitica*.** Thomas E. Witte, Samuel Shields, Graham W. Heberlig, Micheal G. Darnowski, Anatoly Belov, Amanda Sproule, Christopher N. Boddy, David P. Overy, Myron L. Smith *Fungal Genet Biol.* **2021**, *157*, 103633
71. **Apicidin biosynthesis is linked to accessory chromosomes in *Fusarium poae* isolates.** Thomas E. Witte, Linda J. Harris, Hai D. T. Nguyen, Anne Hermans, Anne Johnston, Amanda Sproule, Jeremy R. Dettman, Christopher N. Boddy, David P. Overy *BMC Genomics* **2021**, *22*, 591
70. **Armeniaspirols inhibit the AAA+ proteases ClpXP and ClpYQ leading to cell division arrest in Gram-positive bacteria.** Puneet Labana, Mark H. Dornan, Matthew Lafrenière, Tomasz L. Czarny, Eric D. Brown, John P. Pezacki, Christopher N. Boddy, *Cell Chemical Biology.* **2021**, *28*, 1703-1715.
69. **Accessory Chromosome-Acquired Secondary Metabolism in Plant Pathogenic Fungi: The Evolution of Biotrophs Into Host-Specific Pathogens** Thomas E. Witte, Nicholas Villeneuve, Christopher N. Boddy, David P. Overy *Frontiers in Microbiology* **2021**, *12*, 664276.
68. **Thioesterase from Cereulide Biosynthesis Is Responsible for Oligomerization and Macrocyclization of a Linear Tetradepsipeptide.** Graham Heberlig, Christopher N. Boddy, *J. Nat. Prod.* **2020**, *83*, 1990-1997.
67. **Whole genome sequencing and metabolomics characterization of cave *Streptomyces* isolates ICC1 and ICC4.** Soumya Ghosh, Jessica Thandara Gosse, Christopher N. Boddy, Naowarat Cheeptham. *Front Microbiol.* **2019**, *10*, 1020.
66. **Trapping biosynthetic acyl-enzyme intermediates with encoded 2,3-diaminopropionic acid.** Nicolas Huguenin-Dezot, Diego A. Alonzo, Graham W. Heberlig, Mohan Mahesh, Duy P. Nguyen, Mark H. Dornan, Christopher N. Boddy, T. Martin Schmeing, Jason W. Chin *Nature*, **2019**, *565*, 112-117.
65. **Draft genome of the type strain *Streptomyces armeniacus* ATCC 15676.** Puneet Labana, Jessica T. Gosse, Christopher N. Boddy, *Microbiology Resource Announcements*, **2018**, *7*, e01107-18
64. **Chemoenzymatic Macrocyclic Synthesis Using Resorcyclic Acid Lactone Thioesterase Domains.** Graham W. Heberlig, Jesse Brown, Ryan Simard, Monica Wirz, Wei Zhang, Meng Wang, Leah Susser, Mark E. Horsman, Christopher N. Boddy *Org. Biomol. Chem.* **2018** *16*, 5771-5779.

63. **Inhibition of Bacterial Gene Transcription with an RpoN-based Stapled Peptide.** Sterling R. Payne, Daniel I. Pau, Ye Joon Kim, Amanda L. Whiting, Blaze M. Pharoah, Christina A. Moi, Christopher N. Boddy, Federico Bernal *Cell Chemical Biology* **2018** *25*,1059-1066
62. **Inducible T7 polymerase-mediated multigene expression system, pMGX.** Mohamed I. Hassan, Fern R. McSorley, Kinya Hotta, Christopher N. Boddy *J. Vis. Exp.* **2017**, doi: 10.3791/55187.
61. **Sampling Terrestrial Environments for Bacterial Polyketides.** Patrick Hill, Graham W. Heberlig, Christopher N. Boddy *Molecules* **2017**, *22*, E707.
60. **Natural products: Mapping an amazing thicket.** Mark E. Horsman, Christopher N. Boddy *Nat. Chem. Biol.* **2017**, *13*, 6-7.
59. **Portable, On-demand Biomolecular Manufacturing.** Keith Pardee, Shimyn Slomovic, Peter Q. Nguyen, Jeong Wook Lee, Nina Donghia, Devin Burrill, Tom Ferrante, Fern McSorley, Yoshikazu Furuta, Michael Lewandowski, Christopher N. Boddy, Neel S. Joshi, James J. Collins *Cell* **2016**, *167*, 248-259.
58. **Total Biosynthesis of Legionaminic Acid, a Bacterial Sialic Acid Analog.** Mohamed I. Hassan, Benjamin R. Lundgren, Michael Chaumon, Dennis M. Whitfield, Brady Clark, Ian C. Schoenhofen, Christopher N. Boddy *Angew. Chem. Int Ed.* **2016**, *55*, 12018-21.
57. **First-in-class small molecule potentiators of cancer virotherapy.** Dornan, Mark H.; Krishnan, Ramya; Macklin, Andrew M.; Selman, Mohammed; El Sayes, Nader; Davis, Colin; Chen, Andrew; Keillor, Kerkeslin; Le, Penny; Moi, Christina; Ou, Paula; Pardin, Christophe; Le Boeuf, Fabrice; Bell, John C.; Smith, Jeffrey C.; Diallo, Jean-Simon; Boddy, Christopher N. *Scientific Reports.* **2016**, *6*, 26786.
56. **Sialic acid production in Escherichia coli lacking of N-acetylglucosamine catabolism.** Horsman, Mark E.; Lundgren, Benjamin R.; Boddy, Christopher N. *Chem. Eng. Commun.* **2016**, *203*, 1326-1335.
55. **Diastereoselective Transannular Oxa-Conjugate Addition Generates the 2,6-cis Disubstituted Tetrahydropyran of Neopeltolide.** Hari, Taylor P. A.; Wilke, Burkardt I.; Davey, James A.; Boddy, Christopher N. *J. Org. Chem.* **2016**, *81*, 415-423.
54. **Towards a characterization of the structural determinants of specificity for the macrocyclizing thioesterase from deoxyerythronolide B biosynthesis.** Argyropoulos, Panos; Bergeret, Fabien; Pardin, Christophe; Reimer, Janice M.; Pinto, Atahualpa; Boddy, Christopher N.; Schmeing, T. Martin *Biochimica Biophysica acta general subjects* **2016**, *1860*, 486-497.
53. **The use of ClusterMine360 for the analysis of polyketide and non-ribosomal peptide biosynthetic pathways.** Tremblay, Nicolas; Hill, Patrick; Conway, Kyle R.; Boddy, Christopher N. *Method Mol. Biol.* **2016**, *1401*, 233-52.
52. **Polyketide Synthase and Non-ribosomal Peptide Synthetase Thioesterases: logic gate or a victim of fate?** Horsman, Mark; Hari, Taylor P. A.; Boddy, Christopher N. *Nat. Prod. Rep.* **2016**, *33*, 183-202.
51. **Plasmon-Mediated ssDNA Dynamic Release from Gold Nano-particles Examined with Advanced Fluorescence Microscopy.** Simoncelli, Sabrina; de Alwis Weerasekera, Hasitha; Fasciani, Chiara; Boddy, Christopher N.; Aramendía, Pedro; Alarcon, Emilio; Scaiano, Juan, *J. Phys. Chem. Lett.* **2015**, *6*, 1499-1503.
50. **Draft Genome Sequence of Streptomyces sp. Strain PBH53, isolated from urban environment.** Gosse, Jessica T.; Hill, Patrick; Dowd, Scot E.; Boddy, Christopher N. *Genome Announc.* **2015**, *3*, e00859-15.
49. **Modulation of Antifreeze Activity and the Effect upon Post-Thaw HepG2 Cell Viability after Cryopreservation.** Capicciotti, Chantelle; Poisson, Jessica S; Boddy, Christopher N. Ben, Robert; *Cryobiology* **2015**, *70*, 79-89.
48. **Resorcylic acid lactone biosynthesis relies on a stereo-tolerant macrocyclizing thioesterase.** Heberlig, Graham; Wirz, Monica; Wang, Meng; Boddy, Christopher N. *Org. Lett.* **2014**, *16*, 5858-5861.

47. **An evolutionary model encompassing substrate specificity and reactivity of type I polyketide synthase thioesterases.** Hari, Taylor P. A.; Labana, Puneet; Boileau, Meaghan; Boddy, Christopher N. *ChemBioChem* **2014**, *15*, 2656-61. (Selected for the inside back cover art)
46. **Salvadenosine, a 5'-Deoxy-5'-(methylthio) Nucleoside from the Bahamian Tunicate *Didemnum* sp.** Jamison, Mathew T.; Boddy, Christopher N.; Molinski Thadeus F. *J. Org. Chem.* **2014**, *79*, 9992-9997.
45. **Genetic analysis of the assimilation of C5-dicarboxylic acids in *Pseudomonas aeruginosa* PAO1.** Benjamin Lundgren, Luis Villegas-Peñaranda, Joshua Harris, Alexander Mottern, Diana Dunn, Christopher Boddy, and Christopher Nomura. *J. Bacteriol.* **2014**, *196*, 2543-2551.
44. **Hexanes/acetonitrile: a binary solvent system for the efficient monosilylation of symmetric primary and secondary diols.** Burkhardt I. Wilke, Mark H. Dornan, Jon Yeung, Christopher N. Boddy, Atahualpa Pinto. *Tetrahedron Lett.* **2014**, *55*, 2600-2602.
43. **Elucidation of Gephyronic Acid Biosynthetic Pathway Revealed Unexpected SAM Dependent Methylations.** Young, Jeanette; Stevens, David; Carmichael, Rory; Tan, John; Rachid, Shwan; Boddy, Christopher N.; Müller, Rolf; Taylor, Richard E. *J Nat Prod.* **2013**, *76*, 2269-2276.
42. **Bioinformatics tools for genome mining of polyketide and non-ribosomal peptides.** Boddy, Christopher N. *J. Ind. Microbiol. Biotechnol.* **2014**, *41*, 443-450. doi: 10.1007/s10295-013-1368-1.
41. **Habitat specific type I PKS synthases in soils and street sediments.** Hill, Patrick; Piel, Jörn; Aris-Brosoul, Stéphane; Křišťůfek, Václav; Boddy, Christopher N. Dijkhuizen Lubbert. *J Ind Microbiol Biotechnol.* **2014**, *41*, 75-85.
40. **The role of transcription in heterologous expression of polyketides in bacterial hosts.** Stevens, David C.; Hari, Taylor P.; Boddy Christopher N. *Nat. Prod. Rep.* **2013**, *30*, 1391-1411. doi: 10.1039/C3NP70060G.
39. **Biosynthesis of Ebelactone A: Isotopic tracer, advanced precursor and genetic studies reveal a thioesterase-independent cyclisation to give a polyketide β -lactone.** Harrison, Paul; Wyatt, Morgan; Ahilan, Yasodha; Argyropoulos, Panos; Boddy, Christopher N. Magarvey, Nathan *J. Antibiot.* **2013**, *66*, 421-430. doi: 10.1038/ja.2013.48.
38. **Alternative sigma factor over-expression enables heterologous expression of a type II polyketide biosynthetic pathway in *Escherichia coli*.** Stevens, David C.; Conway, Kyle; Pearce, Nelson; Villegas-Peñaranda, Luis Roberto; Garza, Anthony; Boddy, Christopher N. *PLoS ONE*, **2013**, *8*, e64858.
37. **The Putative Transcriptional Regulator PA2449 is Essential for Glycine Metabolism and Pyocyanin Biosynthesis in *Pseudomonas aeruginosa* PAO1.** Lundgren, Benjamin R.; Thornton, William; Dornan, Mark H.; Villegas-Peñaranda, Luis Roberto; Boddy, Christopher N.; Nomura Christopher T. *J. Bacteriol.* **2013**, *195*, 2087-2100.
36. **ClusterMine360: a database of Microbial PKS/NRPS Biosynthesis.** Conway, Kyle; Boddy, Christopher N. *Nucleic Acid Res.* **2013**, D402-407.
35. **Non-canonical regioisomerizations and a 'Diels-Alderase' are likely essential in the biosynthesis of Spiculoic acid.** Pinto, Atahualpa; Boddy, Christopher N. *Bioorg Med Chem Lett.* **2012**, *22*, 5253-5256.
34. **6-deoxyerythronolide B synthase thioesterase-catalyzed macrocyclization is highly stereoselective.** Pinto, Atahualpa; Wang, Meng; Horsman, Mark; Boddy, Christopher N. *Org. Lett.* **2012**, *14*, 2278-2281.
33. **Coenzyme Q10 Production in the Filamentous *Basidiomycete Sporidiobolus johnsonii*.** Dixson, D.; Boddy, Christopher N.; Doyle, Robert P. *Chem. BioDiv.* **2011**, *8*, 1033-1051.
32. **Land use intensity controls Actinobacterial community structure.** Hill, Patrick; Křišťůfek, Václav; Dijkhuizen, Lubbert; Boddy, Christopher N.; Kroetsch, David; van Elsas, Jan Dirk *Microb. Ecol.* **2011**, *61*, 286-302.

31. **Process Improvements for the Manufacture of Tenofovir Disoproxil Fumarate (TDF) at Commercial Scale.** Ripin, David H. Brown; Teager, David; Fortunak, Joseph; Basha, K.; Bivins, Nylea; Boddy, Christopher N.; Byrn, Stephen; Catlin, Kelly; Houghton, Stephen R.; Jagadeesh, S. Tirumala; Kumar, K. Anesh; Melton, Jack; Muncer, K.; Rao, L. Nagaprasada; Rao, R. Venkateswara; Reddy, N. Gopal; Reddy, R. Mallikarjuna; Shekar, K. Chandra; Silverton, Tricia; Smith, Daniel T.; Stringham, Rodger; Talley, Frajovon; Williams, Adrian. *Org. Process Res. Dev.* **2010**, *14*, 1194-1201.
30. **Rapid, mild method for phosphonate diester hydrolysis: Development of a one-pot synthesis of tenofovir disoproxil fumarate from tenofovir diethyl ester.** Houghton, Stephen R.; Melton, Jack; Fortunak, Joseph; Ripin, David H. Brown; Boddy, Christopher N. *Tetrahedron* **2010**, *66*, 8137-8144.
29. **Heterologous expression of the oxytetracycline biosynthetic pathway in *Myxococcus xanthus*.** Stevens, David C.; Henry, Michael R.; Murphy, Kimberly; Boddy, Christopher N. *Applied Environ. Microbiol.* **2010**, *76*, 2681-2683.
28. **A thioesterase from an iterative fungal polyketide synthase shows macrocyclization and cross-coupling activity, and may play a role in controlling iterative cycling through product off loading.** Wang, Meng; Zhou, Hui; Wirz, Monica; Tang, Yi; Boddy, Christopher N. *Biochemistry* **2009**, *48*, 6288-6290.
27. **Polyketide synthase thioesterases catalyze rapid hydrolysis of peptidyl thioesters.** Wang, Meng; Opare, Peter; Boddy, Christopher N. *Bioorg. Med. Chem. Lett.* **2009**, *19*, 1413-1415.
26. **Biomimetic transannular oxa-conjugate addition approach to the 2,6-disubstituted dihydropyran of laulimalide yields an unprecedented transannular oxetane.** Houghton, Stephen R.; Furst, Laura; Boddy, Christopher N.; *J. Org. Chem.* **2009**, *74*, 1454-1463 (Featured Article).
25. **Examining the role of hydrogen bonding interactions in the substrate specificity for the loading step of polyketide synthase thioesterase domains.** Wang, Meng; Boddy, Christopher N. *Biochemistry* **2008**, *47*, 11793-11803.
24. **Orthogonal ligation: a three piece assembly of a PNA-peptide-PNA conjugate.** Burlina, Fabienne; Dixon, David D.; Doyle, Robert P.; Chassaing, Gérard; Boddy, Christopher N.; Dawson, Philip; Offer, John *Chem. Commun.* **2008**, 2785-2787.
23. **A New Mechanism for Benzopyrone Formation in Aromatic Polyketide Biosynthesis** Zhang, Wenju; Wilke, Burkhardt I.; Zhan, Jixun; Watanabe, Kenji; Boddy,* Christopher N.; Tang,* Yi *J. Am. Chem. Soc.* **2007**, *129*, 9304-9305. (* Corresponding authors)
22. **Sialic acid and N-acyl sialic acid analog production by fermentation of metabolically and genetically engineered *Escherichia coli*** Lundgren, Benjamin L.; Boddy, Christopher N. *Org. Biomol. Chem.* **2007**, *5*, 1903-1909. (Evaluated by Faculty of 1000.)
21. **The thioesterase domain from the pimaricin and erythromycin biosynthetic pathways can catalyze hydrolysis of simple thioester substrates.** Sharma, Krishna K.; Boddy, Christopher N. *Bioorg. Med. Chem. Lett.* **2007**, *17*, 3034-3037.
20. **Total biosynthesis of antitumor nonribosomal peptides in *Escherichia coli*.** Watanabe, Kenji; Hotta, Kinya; Praseuth, Alex P.; Kotetsu, Kento; Migita, Akira; Boddy, Christopher N.; Wang, Clay C. C.; Oguri, Hiroki; Oikawa, Hideaki *Nature Chemical Biology* **2006**, *2*, 423-428.
19. **Sweetening Cyclic Peptide Libraries.** Boddy, Christopher N. *Chem. Biol.* **2004**, *11*, 1599-1600.

Publications as a post-doctoral fellow and graduate student

18. **Precursor-Directed Biosynthesis of Epothilone in *Escherichia coli*.** Boddy, Christopher N.; Hotta, Kinya; Tse, Martha Lovato; Watts, R. Edward; Khosla, Chaitan. *J. Am. Chem. Soc.* **2004**, 7436-7437.

17. **Understanding Substrate Specificity of Polyketide Synthase Modules by Generating Hybrid Multimodular Synthases.** Watanabe, Kenji; Wang, Clay C. C.; Boddy, Christopher N.; Cane, David E.; Khosla, Chaitan *J. Biol. Chem.* **2003**, *278*, 42020-42026.
16. **Epothilone C Macrocyclization and Hydrolysis Are Catalyzed by the Isolated Thioesterase Domain of Epothilone Polyketide Synthase.** Boddy, Christopher N.; Schneider, Tanya; Hotta, Kinya; Walsh, Christopher T.; Khosla, Chaitan *J. Am. Chem. Soc.* **2003**, *125*, 3428-3429.
15. **Atropselective Macrocyclization of Diaryl Ether Systems: Application to the Synthesis of Vancomycin.** Nicolaou, K. C.; Boddy, Christopher N. C. *J. Am. Chem. Soc.* **2002**, *124*, 10451-10455.
14. **Extending Synthetic Access to Proteins with a removable acyl transfer auxiliary.** Offer, John; Boddy, Christopher N. C.; Dawson, Philip E. *J. Am. Chem. Soc.* **2002**, *124*, 4642-4646.
13. **Behind Enemy Lines.** Nicolaou, K. C.; Boddy, Christopher N. C. *Scientific American* **2001**, May, 54-61.
12. **Does CIP nomenclature adequately handle molecules with multiple stereocenters? A case study of vancomycin and cognates.** Nicolaou, K. C.; Boddy, Christopher N. C.; Siegel, Jay S. *Angew. Chem.* **2001**, *113*; 723-726; *Angew. Chem. Int. Ed.* **2001**, *40*, 701-704.
11. **Total Synthesis of Vancomycin: Part 2. Retrosynthetic Analysis, Synthesis of Amino Acid Building Blocks and Strategy Evaluations.** Nicolaou, K. C.; Boddy, Christopher N. C.; Li, Hui; Koumbis, A. E.; Hughes, Robert; Natarajan, Swaminathan; Jain, Nareshkumar F.; Ramanjulu, Joshi M.; Bräse, Stefan; Solomon, Michael E. *Chem. Eur. J.* **1999**, *5*, 2602-2621.
10. **Total Synthesis of Vancomycin: Part 1. Design and Development of Methodology.** Nicolaou, K. C.; Li, Hui; Boddy, Christopher N. C.; Ramanjulu, Joshi M.; Yue, Tai-Yuen; Natarajan, Swaminathan; Chu, Xin-Jie; Bräse, Stefan; Rübsam, Frank *Chem. Eur. J.* **1999**, *5*, 2584-2601.
9. **Chemistry, Biology, and Medicine of the Glycopeptide Antibiotics.** Nicolaou, K. C.; Boddy, Christopher N. C.; Bräse, Stefan; Winssinger, Nicolas *Angew. Chem.* **1999**, *111*, 2230-2287; *Angew. Chem. Int. Ed.* **1999**, *38*, 2097-2152.
8. **Total Synthesis of Vancomycin Aglycon - Part 1: Synthesis of Amino Acids 4-7 and Construction of the AB-COD Ring Skeleton.** Nicolaou, K. C.; Natarajan, Swaminathan; Li, Hui; Jain, Nareshkumar F.; Hughes, Robert; Solomon, Michael E.; Ramanjulu, Joshi M.; Boddy, Christopher N. C.; Takayanagi, Masaru *Angew. Chem.* **1998**, *110*, 2872-2878; *Angew. Chem. Int. Ed.* **1998**, *37*, 2708-2714.
7. **Probing the Ring Size of Epothilones: Total Synthesis of [14]-, [15]-, [17]-, [18]-Epothilones A.** Nicolaou, K. C.; Sarabia, Francisco; Ninkovic, Sacha; Finlay, M. Ray V.; Boddy, Christopher N. C. *Angew. Chem.* **1998**, *110*, 85-89; *Angew. Chem. Int. Ed.* **1998**, *37*, 81-84.
6. **A Suzuki Coupling-macrolactamization Approach to the AB-COD Bi-cyclic System of Vancomycin.** Nicolaou, K. C.; Ramanjulu, Joshi M.; Natarajan, Swaminathan; Bräse, Stefan; Li, Hui; Boddy, Christopher N. C.; Rübsam, Frank *Chem. Commun.* **1997**, 1899-1900.
5. **New Technology for the Synthesis of Vancomycin-type Biaryl Ring Systems.** Nicolaou, K. C.; Chu, Xin-Jie; Ramanjulu, Joshi M.; Natarajan, Swaminathan; Bräse, Stefan; Rübsam, Frank; Boddy, Christopher N. C. *Angew. Chem.* **1997**, *109*, 1551-1552; *Angew. Chem. Int. Ed.* **1997**, *36*, 1539-1540.
4. **New Synthetic Technology for the Synthesis of Aryl Ethers: Construction of C-O-D and D-O-D Ring Model Systems of Vancomycin.** Nicolaou, K. C.; Boddy, Christopher N. C.; Natarajan, Swaminathan; Yue, Tai-Yuen; Li, Hui; Bräse, Stefan; Ramanjulu, Joshi M. *J. Am. Chem. Soc.* **1997**, *119*, 3421-3422.
3. **Total Synthesis of Crystalline (±)-Fredericamycin A.** Clive, Derrick L. J.; Tao, Yong; Khodabocus, Ahmad; Wu, Yong Jin; Angoh, A. Gaetan; Bennett, Sharon M.; Boddy, Christopher N.; Bordeleau, Luc; Cantin, Michel; Kleiner,

Galit; Middleton, Donald S.; Nichols, Christopher J.; Richardson, Scott R.; Vernon, Peter G. *Stud. Nat. Prod. Chem.* **1995**, *16*, 27–74.

2. **Total Synthesis of Crystalline (±)-Fredericamycin A. Use of Radical Spirocyclization.** Clive, Derrick L. J.; Tao, Yong; Khodabocus, Ahmad; Wu, Yong Jin; Angoh, A. Gaetan; Bennett, Sharon M.; Boddy, Christopher N.; Bordeleau, Luc; Kellner, Dorit; Kleiner, Galit; Middleton, Donald S.; Nichols, Christopher J.; Richardson, Scott R.; Vernon, Peter G. *J. Am. Chem. Soc.* **1994**, *116*, 11275–11286.
1. **Total Synthesis of (±)-Fredericamycin A. Use of Radical Spirocyclization.** Clive, Derrick L. J.; Tao, Yong; Khodabocus, Ahmad; Wu, Yong Jin; Angoh, A. Gaetan; Bennett, Sharon M.; Boddy, Christopher N.; Bordeleau, Luc; Kellner, Dorit; Kleiner, Galit; Middleton, Donald S.; Nichols, Christopher J.; Richardson, Scott R.; Vernon, Peter G. *J. Chem. Soc., Chem. Commun.* **1992**, 1489–1490.

Patents

7. **Inhibitors of prokaryotic gene transcription and uses thereof.** Bernal, Federico; Pau, Daniel I.; Boddy, Christopher N. US provisional Patent Application No. 62/308,700, Filed March 15, 2016.
6. **Metabolically Engineered Escherichia coli for Enhanced Production of Sialic Acid.** Lundgren, Benjamin R.; Boddy, Christopher N. US Patent no **9,243,240**, issued Jan 26, 2016.
5. **Compositions and Methods for Viral Sensitization.** Jean-Simon Diallo, Christopher Noyce Boddy, Mark Dornan, Ramya Krishnan, Fabrice LeBoeuf, John C. Bell, Andrew Macklin, Jeffrey Smith. US provisional Patent Application No.62/107,908, Filed January 26, 2015.
4. **Compositions and Methods for Enhancing Oncolytic Virus Efficacy.** Jean-Simon Diallo, Christopher Noyce Boddy, Mark Dornan, Ramya Krishnan, Fabrice LeBoeuf, John C. Bell, Andrew Macklin, Jeffrey Smith. US provisional Patent Application No.62/107,923, Filed January 26, 2015.
3. **Cell-based production of nonulosonates.** Lundgren, Benjamin R.; Boddy, Christopher N.; Schoenhofen, Ian C.; Logan, Susan M.; Whitfield, Dennis M. US Patent no **8,841,099**, issued Sept 23, 2014.
2. **Metabolically Engineered Escherichia coli for Enhanced Production of Sialic Acid.** Lundgren, Benjamin R.; Boddy, Christopher N. US Patent no **8,722,365**, issued May 13, 2014.
1. **System and Method for Heterologous Expression of Polyketide Synthase Gene Clusters.** Garza, Anthony; Boddy, Christopher N. US Patent no **8,709,781**, issued April 29, 2014.

Graduate Supervision

Current Students

PhD

Claudia Natola
Soufian Tibouti
Jason Ma
Luke Paquette
Antonio Spada

MSc

Robert Banens
Ronan Colquhoun
Michele Michichiuc
Jack MacDougall
Yassine Marhoum

Former students

PhD

Stephen Houghton (2008)
Meng Wang (2009)
Benjamin Lundgren (2010)
David Dixson (2011)
David Cole Stevens (2011)
Ata Pinto (2011)
Burkhardt Wilke (2012)
Mark Dornan (2015)

MSc

Krishna Kant Sharma (2006)
Monica Wirz (2011)
Taylor Hari (2012)
Kyle Conway (2012)
Panos Argyropoulos (2014)
Danny Pao (2015)
Jesse Brown (2018)
Chris Sarmales-Murga (2020)

Taylor Hari (2017)
Mark Horsman (2018)
Graham Heberlig (2019)
Jessica Gosse (2019)
Luis Villegas (2019)
Mohamed Hassan (2020)
Puneet Labana (2021)
Patrick Hill (2022)
Michael Darnowski (2023)
Andre Paquette (2023)
Jordan Breazeau-Henrie (2024)
Tom Witte (2024)

Richenda McFarlane (2020)
Nic Villeneuve (2021)
Paul Wambo (2022)
Carmen Hicks (2023)
Allison Q. O'Rourke (2024)
James Okeny (2024)

Postdoctoral Supervision

Dr. Jack Melton (2006-2008)
Dr. Christophe Pardin (2012-2013)
Dr. Fern McSorley (2014-2016)
Dr. Kim Apperley (2018)

Visiting Professors

Prof. Zhang Jie, Xi'an Modern Chemistry Research Institute (2018-2019)