P. Andrew Evans

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Professional Experience:

July 2012 to Present	Department of Chemistry, Queen's University, Kingston, ON, K7L 3N6, Canada. *Professor* *Alfred R. Bader Chair in Organic Chemistry and Tier 1 Canada Research Chair in Organic and Organometallic Chemistry*
May. 2023 to June 2026	College of Chemistry, Central China Normal University, 153, Luoyu Road, Wuhan, Hubei Province, 430079, P. R. China. *Visiting Professor*
Sept. 2018 to June 2026	Xiangya School of Pharmaceutical Science, Central South University, Tongzipo Road, 172, Yuelu District, Changsha, Hunan Province, 420922, P. R. China. *Visiting Professor and Changjiang Scholar*
Sept. 2015 to Aug. 2017	Key Laboratory of Biomedical Polymers of Ministry of Education & College of Chemistry and Molecular Sciences, Wuhan University, Wuhan, Hubei Province, 430072, P. R. China. *Visiting Professor*
July 2006 to June 2012	Department of Chemistry, The University of Liverpool, Liverpool, L69 7ZD, United Kingdom. *Professor and Heath Harrison Chair of Organic Chemistry*
Jan. 2001 to June 2006	Department of Chemistry, Indiana University, Bloomington, IN 47405, United States. *Professor*
May. 2000 to Dec 2000	Department of Chemistry and Biochemistry, University of Delaware, DE 19716, United States.

	Professor
Sept. 1999 to April 2000	Department of Chemistry and Biochemistry, University of Delaware, DE 19716, United States.
	Associate Professor
July 1993 to Sept. 1999	Department of Chemistry and Biochemistry, University of Delaware, DE 19716, United States.
	Assistant Professor
Research Areas:	The development of new synthetic methodology and its application to biologically important natural products.
May 1991 to July 1993	Department of Chemistry and Biochemistry, University of Texas at Austin, Austin, TX 78712, United States.
	NATO Postdoctoral Associate with Professor P. D. Magnus, FRS.
Research Areas:	The development of new trialkylsilyl enol ether chemistry and its application to the total synthesis of the natural product pancratastatin.
Sept. 1985 to Aug. 1986	Beecham Pharmaceuticals, Brockham Park, Surrey, United Kingdom.
	Sandwich Student in Development Chemistry.
Responsibilities:	Synthesis of important synthetic intermediates, and the development an industrially viable synthetic route for a novel penem of therapeutic interest.

Education:

Sept. 1987 to Feb. 1991	Department of Chemistry, Cambridge University, Cambridge, UK.
	Ph.D. in Organic Chemistry with Professor A. B. Holmes, FRS
	"Monocyclic Medium Ring Azacycles"
Sept. 1983 to July 1987	Department of Chemistry, Newcastle Polytechnic, Newcastle, UK.
	B.Sc. with First Class Honors in Applied Chemistry.
Sept. 1977 to July 1982	Ysgol Rhiwabon, Ruabon, Clwyd, UK.
	'O' levels:- Chemistry, Physics, Biology, Design Craft and Technology, Geography, Mathematics, English Literature and English Language.
	'A' levels:- Chemistry, Physics and Biology.

Honors and Awards:

Aug. 2025	*2025 ACS ChemLuminary Award* for an *Outstanding Divisional Career Program,* for the 2024 GRS at the University of Virginia, awarded by the Committee on Economic and Professional Affairs, Washington, DC, US.
Feb. 2023	*R. U. Lemieux Award*, awarded by the CSC, Ottawa, ON.
Aug. 2022	*Paul G. Gassman Distinguished Service Award*, awarded by the ACS

	Division of Organic Chemistry, Washington, DC, US.
Dec. 2020	*Harry and Carol Mosher Award*, awarded by the Silicon Valley Local Section of the ACS, Palo Alto, CA, US.
Oct. 2019	*Changjiang Scholar Award*, awarded by the Ministry of Education, Beijing, CN.
Aug. 2019	*Salute to Excellence* for the *Graduate Research Symposium*, ACS Division of Organic Chemistry, Washington, DC, USA
July 2019	*Tier 1 Canada Research Chair* in *Organic and Organometallic* Chemistry, Ottawa, CA.
Aug. 2016	*2017 Cope Scholar Award* awarded by the American Chemical Society, Washington, DC, US.
Aug. 2014	*2014 ACS ChemLuminary Award* for an *Outstanding Innovative Divisional Program,* for the 2013 GRS at the University of Delaware, awarded by the Divisional Activities Committee, Washington, DC, US.
July 2012	*Tier 1 Canada Research Chair* in *Organic and Organometallic* Chemistry, Ottawa, CA.
June 2011	*2011 ACS Fellow,* awarded by the American Chemical Society, Washington, DC, US.
June 2009	*2009 Pedler Award,* awarded by Royal Society of Chemistry, London, UK.
Jan. 2007	*2007 Novartis Chemistry Lectureship,* awarded by Novartis Pharma AG, Basel, CH.
March 2006	*Royal Society Wolfson Research Merit Award,* awarded by The Royal Society, London, UK.
Jan. 2002	*Pfizer Award for Creativity in Organic Chemistry* awarded by Pfizer GRD, Groton, CT.
May 2001	*Johnson & Johnson Focused Giving Award,* awarded by Johnson and Johnson Corporate Office, New Brunswick, NJ.
Dec. 2000	*SFC-Rhodia Lecturer,* awarded by the Organic Division of the French Chemical Society, Paris, Fr.
Oct. 2000	*Pfizer Distinguished Michigan Lecturer,* awarded by Pfizer Pharmaceuticals, Ann Arbor, MI.
March 2000	*Novartis Academic Achievement Award,* awarded by Novartis, Summit, NJ.
Oct. 1998	*GlaxoWellcome Chemistry Scholar Award*, awarded by GlaxoWellcome Pharmaceuticals, Research Triangle Park, NC.

Aug. 1998	*Eli Lilly Grantee Award*, awarded by Eli Lilly Laboratories,Indianapolis, IN.
April 1998	*Camille and Dreyfus Teacher-Scholar Award*, awarded by the Camille and Henry Dreyfus Foundation, Inc., New York, NY.
Nov. 1997	*Outstanding Young Scholar Award*, awarded by the Francis Alison Society at the University of Delaware, Newark, DE.
Nov. 1997	*Excellence in Chemistry Award*, awarded by Zeneca Pharmaceuticals, Wilmington DE.
April 1997	*NIH First Award*, awarded by the National Institutes of Health, Bethesda, MD.
April 1990	*NATO Postdoctoral Fellowship*, awarded by the SERC Organic Chemistry Section, Swindon, UK.
Nov. 1987	*Best Research Project and Performance in the Final Year*, awarded by Newcastle Polytechnic, Newcastle-upon-Tyne, UK.
Dec. 1986	*Undergraduate Award*, awarded by the North of England Section of the Royal Society of Chemistry, Newcastle-upon-Tyne, UK.

Editorial Boards and Professional Service:

July 2024 to Present President, *Organic Reactions, Inc.*

- Manage the *Organic Reactions* portfolio – Eight BOD members + fifteen BOE members.
- Budgetary responsibility for the entire operation, including philanthropy.
- Established and organized a biannual meeting at the Fall ACS meeting.

Jan 2019 to June 2024 Editor-in-Chief and President, *Organic Reactions, Inc.*

- Manage the *Organic Reactions* portfolio – Twenty+ BOE members and eight BOD members.
- Budgetary responsibility for the entire operation, including philanthropy.
- Established the Executive Editor position.
- Solicits new chapters and edits the final version prior to publication.
- Established a new communications committee, including a new logo.

March 2015 to Feb. 2017 Advisory Committee, ISHC Advisory Committee, ISHC

- Provided advice on the budget and revenue increasing measures.

June. 4-5, 2015 Ad-Hoc Member, *NIH MCHB Study Section*, Baltimore, MD

- Reviewed and scored proposals (R01, R21, etc.)

March 2015 to Dec. 2018 Responsible Editor, *Organic Reactions, Inc.*

- Reviewed and edited several chapters for the Editor-in-Chief.

Jan 2013 to Dec. 2014 Associate Member, *ACS Committee on Chemical Safety*

- Provided advice on the ACS policy for schools and universities.

Jan. 2012 to Dec. 2014 Councilor, *ACS Division of Organic Chemistry*

- Represented the Division of Organic Chemistry at the National ACS level.

Dec. 2010 to Dec. 2022 Associate Editor, *Synthesis*

- Manage the submission and review process for *Thieme*.

July 2010-Present Co-Organizer, *DOC Graduate Research Symposium*

- Conceived and initiated with Gary A. Molander in 2010.
- Provides professional development for graduate students, particularly underrepresented groups.
- Fiscally independent meeting – Provides significant outreach for the Division.
- Recognized by the ACS with two independent awards.

Feb. 3-4, 2009 Ad-Hoc Member, *NIH MCHA Study Section*, San Francisco, CA

- Reviewed and scored proposals (R01, R21, etc.)

Jan. 2009 to Dec. 2010 Editorial Board, *SynLett and Synthesis*

- Provided advice on publication strategy as it pertains to impact factor.

Jan. 2009 to Dec. 2011 Chair-Elect, Chair, Past-Chair, *ACS Division of Organic Chemistry*

- Managed the Division – Programs, budget, meetings, etc.
- Implemented a new website that interfaces with central ACS.

Jan. 2008 to Dec. 2010 Editorial Board, *Chem. Commun.*

- Provided advice on publication strategy as it pertains to impact factor.

Oct. 2006 to Sep. 2008 Permanent Member, *NIH MCHA Study Section*, Bethesda, MD

- Attended three meetings per year to review and score proposals (R01, R21, etc.)

June 2006 to Present Editorial Advisory Board for *Letters in Organic Chemistry*

- Provided advice on publication strategy as it pertains to impact factor.

Jan. 2005 to Dec. 2007 US Associate Editor, *Chem. Commun.*

- Manage the review and submission process for the *RSC*.
- Improved visibility and the impact factor.

Aug. 2004 to Aug. 2007 Executive Officer of the *National Organic Symposium 2007*

- Site and speaker selection – Approved by the Executive Committee.
- Fund raising to cover the cost of the space, travel, accommodation, *etc*.
- Fellowships for undergraduate students and faculty at PMI's.

March. 15, 2004 Ad-Hoc Member, *Special NIH Study Section*, Bethesda, MD

- Reviewed and scored proposals (R01)

Oct. 8-9, 2003 Ad-Hoc Member, *NIH MCHA Study Section*, Bethesda, MD

- Reviewed and scored proposals (R01, R21, etc.)

Jan. 2003 to March 2015 Board of Consulting Editors for *Tetrahedron* and *Tetrahedron Letters*

- Provided advice on publication strategy as it pertains to impact factor.

Jan. 2003 to Dec. 2005 Member-at-Large, *ACS Division of Organic Chemistry*

- Chaired award symposia for the Division
- Served on the Graduate Fellowship Committee.

June 11-12, 1996 CRDF-Chemical and Engineering Review Panel, Washington, DC

- Reviewed and scored proposals.

Selected Research Highlights:

1. "Rhodium-Catalyzed Allylic Alkylation goes *via* Enyl Intermediate"
   C&E News **1998**, *76*, 24.
2. "The Future of Synthetic Organic Chemistry"
   P. S. Zurer *C&E News* **1999**, *77*, 31.
3. "Rhodium Catalysis is on a Roll"
   A. M. Rouhi *C&E News* **2001**, *79(32)*, 39.
4. "Regio- and Stereo-Control in Rhodium-Catalyzed Allylic Substitutions"
   G. Poli and G. Giambastiani *Chemtracts-Organic Chemistry* **2001**, *14*, 204.
5. "Metal-Catalyzed Cycloadditions add up to Eight-membered Rings"
   C&E News **2002**, *80(30)*, 24.
6. "New Catalyzed Three-Component Cycloadditions for the Syntheses of Eight-Membered Carbocycles" *Angew. Chem. Int. Ed.* **2003**, *42*, 718.
7. "Shortest Route to Mucocin"
   C&E News **2003**, *81(49)*, 32.
8. "Allylic Ether Synthesis Leads to Mosquito Repellent"
   C&E News **2004**, *82(39)*, 22.
9. "Simple Synthesis for Anticancer Agent"
   Chemistry World **2008**, *5(7)*, 23.
10. "Reaction Modelling: Diastereoselective by Design"
    Nature Chemistry **2011**, *3*, 498.
11. Diastereoselective Rhodium-Catalyzed Ene-Cycloisomerization Reactions of Alkenylidenecyclopropanes: Total Synthesis of (–)-α-Kainic Acid
    M. Zanda, *Synform* **2012**, *6*, A56
12. "Making Marinomycin A"
    B. Halford, *C&E News* **2012**, *90(27)*, 23.
13. "Marinomycin A"
    P. Docherty, *Chemistry World* **2012**, *9(8)*, 36.

14. "Computational Studies and Experimental Results – An Excellent Example of Teamwork in Studying Carbocyclization"
I. Thiel and M. Hapke, *Angew. Chem. Int. Ed*. **2013**, *52*, 2.
15. "Improved Routes to Thapsigargin"
S. Borman, *C&E News* **2017**, *97(22)*, 11.
16. "New hope for cancer patients"
A. Craig, *Queen's Gazette,* **2017**.
(https://www.queensu.ca/gazette/stories/new-hope-cancer-patients)
17. "The Life-Saving Potential of the Deadly Carrot"
T. Lougheed, *ACCN, The Canadian Chemical News* **2017**.
(http://www.cheminst.ca/magazine/news/life-saving-potential-deadly-carrot)
18. "Photoprotective Pollen"
L. Howes, *C&E News* **2019**, *95(19)*, 7.
19. "Powerful Pollen"
A. Craig, *Queen's Gazette,* **2019**.
(https://www.queensu.ca/gazette/stories/powerful-pollen)
20 "A New Way to Deliver Light-sensitive Drugs to Combat the Problem of Antibiotic Resistance" Anne Craig, *Phys. Org.* **2019**.
(https://phys.org/news/2019-06-light-sensitive-drugs-combat-problem-antibiotic.html)
21. "Hiding from the Light"
T. Lougheed, *ACCN, The Canadian Chemical News* **2019**.
(https://www.cheminst.ca/magazine/article/hiding-from-the-light/)
22. "Antibiotic Found in the Ocean Could Help Beat Superbugs"
The Times (London), **2019**
(https://www.thetimes.co.uk/article/antibiotic-found-in-ocean-could-help-beat-superbugscx238tmr7)
23. "An *E-Z* resolution"
J. Yeston, *Science* **2019**, *365*, 653. (DOI: 10.1126/science.365.6454.653-f).
24. "Dynamic kinetic resolution of alkenyl cyanohydrins"
W. Zhao, S. Guizzetti, J. A. Schwindeman, D. S. B. Daniels, J. J. Douglas, A. Ramirez, and J. Knight, *Org. Process Res. Dev.* **2019**, *23*, 2266.
25. "Inspired by the sea to fight cancer metastasis"
C. Chagas, *ACCN, The Canadian Chemical News* **2021**.
(https://www.cheminst.ca/magazine/article/inspired-by-the-sea-to-fight-cancer-metastasis/)
26. "Marine sponge toxin analogues could hold the key to treating metastatic cancers"
Research Features, **2021**, *137*, 14.

Books:

1. "Modern Rhodium-Catalyzed Organic Reactions" Ed. P. A. Evans, Wiley-VCH: Weinheim, 2005.
2. "Science of Synthesis Reference Library – Stereoselective Synthesis" Ed's H. DeVries, P. A. Evans and G. A. Molander, Thieme: Stuttgart, Vol. 3, 2011.

Organic Reactions:

1. *Organic Reactions*, Ed's P. A. Evans and S. M. Weinreb, Wiley, 2020, Vol 101, pp 977.
2. *Organic Reactions*, Ed's P. A. Evans and J. K. Cha, Wiley, 2020, Vol 102, pp 978.
3. *Organic Reactions*, Ed's P. A. Evans, J. Montgomery, J. Aubé and J. B. Johnson, Wiley, 2020, Vol 103a/b, pp 1370.
4. *Organic Reactions*, Ed's P. A. Evans, G. A. Molander and S. M. Weinreb, Wiley, 2020, Vol 104, pp 916.
5. *Organic Reactions*, Ed's P. A. Evans, S. E. Denmark and D. G. Hall, Wiley, 2021, Vol 105, pp 906.

6 *Organic Reactions*, Ed's P. A. Evans and S. M. Weinreb, Wiley, 2021, Vol 106, pp 1378.

7. *Organic Reactions*, Ed's P. A. Evans, D. M. Huryn and S. M. Weinreb, Wiley, 2021, Vol 107, pp 1131.
8. *Organic Reactions*, Ed's P. A. Evans, P. R. Blakemore, M. C. Kozlowski and K. H. Shaughnessy, Wiley, 2021, Vol 108, pp 1004.
9. *Organic Reactions*, Ed's P. A. Evans and J. K. Cha, Wiley, 2022, Vol 109, pp 1124.
10. *Organic Reactions*, Ed's P. A. Evans, D. M. Huryn and and S. M. Weinreb, Wiley, 2022, Vol 110, pp 948.
11. *Organic Reactions*, Ed's P. A. Evans, Jin K. Cha and D. M. Huryn, Wiley, 2022, Vol 111, pp 816.
12. *Organic Reactions*, Ed's P. A. Evans, J Aubé and P. R. Blakemore, Wiley, 2023, Vol 112a/b, pp 2068.
13. *Organic Reactions*, Ed's P. A. Evans, J. Montgomery, K. Shaughnessy and S. M. Weinreb, Wiley, 2023, Vol 113, pp 843.
14. *Organic Reactions*, Ed's P. A. Evans, J. B. Johnson, C. D. Vanderwal and P. R. Blakemore, Wiley, 2024, Vol 114, pp 695.
15. *Organic Reactions*, Ed's P. A. Evans, A. Padwa and S. M. Weinreb, Wiley, 2024, Vol 115, pp 779.

Book Chapters:

1. D. K. Leahy and P. A. Evans in "Modern Rhodium-Catalyzed Organic Reactions" Ed. P. A. Evans, Wiley-VCH: Weinheim, 2005, Ch. 10, pp 191-214.
2. P. A. Evans in "Metathesis in Natural Product Synthesis" Ed's. J. Cossy, C. Meyer, S. Arseniyadis, VCH: Weinheim, 2010, Ch. 8, pp 225-259.
3. P. A. Inglesby and P. A. Evans in "Comprehensive Organic Synthesis II" Eds. G. A. Molander and P. Knochel, Elsevier: Oxford, 2014, Ch. 5, pp 656-702.
4. A. J. Burnie and P. A. Evans in "Topics in Organometallic Chemistry: Rhodium Catalysis" Ed. C. Clamer, Springer: 2018, Vol. 61, pp 167-230.
5. Y. Zhu and P. A. Evans in "Comprehensive Organic Synthesis III" Eds. D. H. Trauner and P. Knochel, Elsevier: Oxford, 2025, Ch. 6, pp 545-598.

Publications:

Independent Research:

139. "Regio- and Enantioselective Rhodium-Catalyzed [(2+2)+2] Cycloadditions of 1,6-Chloroenynes with 1,1-Disubstituted Olefins using Ethoxyacetylene as a Ketene Equivalent"
R. M. P. Ylagan, Tri Nugyen, G. W. Howe, and P. A. Evans, *J. Am. Chem. Soc.* **2026**, *148*, *In Revision*.

138. "Chiral Counteranion-Directed Asymmetric Intramolecular Rhodium-Catalyzed [(3+2+2)] Carbocyclization Reactions with Alkyledienecyclopropanes'
Yu Zhu[†], Zuqing Mao[†], P. Andrew Evans, *J. Am. Chem. Soc.* **2026**, *148*, *In Revision*.

137. "Catalytic Stereochemical Relay for the Enantioselective Synthesis of Acyclic Quaternary Stereocenters"
H. Xie, D. Hwang, S. Y. Yoo, G. W. Howe, M.-H. Baik, and P. A. Evans, *J. Am. Chem. Soc.* **2026**, *148*, ASAP.

136. "Chemoselective Reduction of Nitroarenes to Anilines using a Nickel Foam: Mechanistic Insight into Surface Activation."
Prashant Kumar, M.-J. Tom, R. L. Grange, D. Esau, P. Miller, G. Jerkiewicz and P. A. Evans, *J. Am. Chem. Soc.* **2026**, *148*, 15593-15604.

134. "Stereospecific Transition-Metal-Free Alkylation of Chiral Non-Racemic Secondary Tosylates with Cyanohydrins: Convenient access to Enantiomerically Enriched α-Tertiary Ketones"
J. Ma, H. Li, J. Majhi, and P. A. Evans, *Angew. Chem. Int. Ed.* **2026**, *65*, e20674 (*Hot Paper*).

134. "Advances in Transition Metal-Catalyzed Allylic Substitution with Unstabilized Nucleophiles"
D. Pal, K. D. Veeranna and P. A. Evans, *Sci. Chem. China,* **2026**, *69*, 94-118.

133. "Stereoselective Transition-Metal Catalyzed [(2+2)+1] and [(2+2)+2] Carbocyclization Reactions with 1,6-Enynes Containing 1,1-Disubstituted Olefins: Construction of Quaternary Centers"
R. M. P. Ylagan, Y. Zhu and P. A. Evans, *Chem. Sci.* **2025**, *16*, 1490-1505 (*2024 Chemical Science HOT Article Collection*).

132. "Enantioselective Iridium-Catalyzed Allylic Substitution with a Reformatsky Reagent: Direct Construction of β-Stereogenic Homoallylic Esters"
J. Pal, Y. F. Wong, K. D. Veeranna and P. A. Evans, *Sci. China Chem.* **2024**, *67,* 3791-3797.

131. "Towards a Template for Synthetic Actin-Targeting Macrolide Analogues that Inhibit Cancer Cell Invasiveness"
D. N. Trofimova, M. Aeluri, K. D. Veeranna, Y. Jiang, R. L. Grange, B. V. Pipaliya, M. Subaramanian, A. W. Craig, P. A. Evans and J. S. Allingham, *J. Med. Chem.* **2024**, *67*, 5315-5332.

130. "Palladium-Catalyzed S_N2 Glycosylation of Phenols"
Y. Zhu and P. A. Evans, *Sci. China. Chem.* **2024**, 67, 1037-1038.

129. "Vanadium(1+),tri-μ-chlorohexakis(tetrahydrofuran)di-,di-μ-chlorotetrachlorodizincate(2-) (2:1)"
M. Aeluri and P. A. Evans, *e-EROS,* **2023**, 1-6.

128. "Enantioselective Rhodium-Catalyzed Pauson-Khand Reaction of 1,6-Chloroenynes with 1,1-Disubstituted Olefins"
R. M. P. Ylagan, E. J. Lee, D. E. Negru, P. Ricci, B. Park, H. Ryu, M.-H. Baik and P. A. Evans, *Angew. Chem. Int. Ed.* **2023**, 62, e202300211 (*Hot Paper*).

127. "Intramolecular Rhodium-Catalyzed [(3+2+2)] Carbocyclization Reactions with Dienylidenecyclopropanes: A Concise and Stereoselective Total Synthesis of the Sesquiterpene (+)-Zizaene"
Y. Zhu, J. Zheng and P. A. Evans, *J. Am. Chem. Soc.* **2023**, *145*, 3833.

126. "Palladium-Catalyzed Cross-Coupling of Cyanohydrins with Aryl Bromides: Construction of Biaryl Ketones"
J. Majhi, B. Zhou, Y. Zhuang, H. Dai and P. A. Evans, *Synthesis* **2023**, *55*, 1752.

125. "Asymmetric Rhodium-Catalyzed Allylic Substitution Reactions with Nitrile-Stabilized Carbanions"
M.-J. Tom and P. A. Evans, *Synlett* **2022**, *33*, 939.

124. "Catalytic Enantioselective Alkylation of Prochiral Enolates"

T. B. Wright and P. A. Evans, *Chem. Rev.* **2021**, *120*, 9196.

123. "Diastereoselective Intramolecular Rhodium-Catalyzed [(3+2+2)] Carbocyclization Reactions with Tethered Alkynylidenecyclopropanes: Synthesis of the Tremulane Sesquiterpene Natural Products"
P. A. Evans, M. J. Dushnicky, D. Cho, J. Majhi, S. Choi, B. V. Pipaliya, P. A. Inglesby and M.-H. Baik, *Asian J. Org. Chem.* **2021**, *9*, 2174.

122. "Truncated Actin-Targeting Macrolide Derivative that Blocks Cancer Cell Motility and Invasion of Extracellular Matrix"
B. V. Pipaliya, D. N. Trofimova, R. L. Grange, M. Aeluri, X. Deng, K. Shah, A. W. Craig, J. S. Allingham and P. A. Evans, *J. Am. Chem. Soc.* **2021**, *143*, 6847.

121. "Regio- and Diastereoselective Rhodium-Catalyzed Allylic Substitution with Unstabilized Benzyl Nucleophiles"
D. Pal, T. B. Wright, R. O'Connor and P. A. Evans, *Angew. Chem. Int. Ed.* **2021**, *60*, 2987.

120. "Regioselective and Stereospecific Rhodium-Catalyzed Allylic Cyanomethylation with an Acetonitrile Equivalent: Construction of Acyclic β-Quaternary Stereogenic Nitriles"
M.-J. Tom and P. A. Evans, *J. Am. Chem. Soc.* **2020**, *142*, 11957.

119. **"**A Concise and Modular Three-Step Synthesis of (*S*)-Verapamil using an Enantioselective Rhodium-Catalyzed Allylic Alkylation Reaction"
M.-J. Tom, B. W. H. Turnbull and P. A. Evans, *Synthesis*, **2020**, *52*, 2185.

118. "Copper-Catalyzed Desymmetrization of Prochiral 4,4-Disubstituted Cyclopentenes *via* a Site-Selective Allylic Oxidation Reaction: A Concise Total Synthesis of Untenone A"
Q. Gui, J.-J. Wang, S. Ng, A. Dancevic, T. B. Wright and P. A. Evans, *Chem. Commun*. **2019**, *55*, 12368.

117. "Dynamic Kinetic Resolution of Alkenyl Cyanohydrins Derived from α,β-Unsaturated Aldehydes: Stereoselective Synthesis of *E*-Tetrasubstituted Olefins"
J. Majhi, B. W. H. Turnbull, H. Ryu, J. Park, M.-H. Baik and P. A. Evans, *J. Am. Chem. Soc.* **2019**, *141,* 11770.

116. "A Natural Solution to the Photoprotection and Isolation of the Potent Polyene Antibiotic, Marinomycin A-C"
C. S. Bailey, J. S. Zarins-Tutt, M. Agbo, A. D. Taboada, M. Gan, E. R. Abraham, R. Hamed, G. Mackenzie, P. A. Evans and R. J. M. Goss, *Chem. Sci.* **2019**, *10*, 7549.

115. "Enantioselective Rhodium-Catalyzed Allylic Alkylation of β,γ-Unsaturated α-Amino Nitriles: Synthetic Homoenolate Equivalents"

T. B. Wright, B. W. H. Turnbull and P. A. Evans, *Angew. Chem. Int. Ed.* **2019**, *58,* 9886.

114. "Effects of Modulating Actin Dynamics on HER2 Cancer Cell Motility and Metastasis"
S. Nersesian, R. Williams, D. Newsted, P. A. Evans, J. S Allingham and A. W Craig, *Sci. Reports,* **2018**, *8*, 17243.

113. "(11b*R*)-4-methoxydinaphtho[2,1-*d*:1',2'-*f*][1,3,2]dioxaphosphepine, [(*R*)-BINOL-POMe] & (11b*S*)-4-methoxydinaphtho[2,1-*d*:1',2'-*f*][1,3,2]dioxaphosphepine, [(*S*)-BINOL-POMe]"
T. W. Wright and P. A. Evans, *e-EROS,* **2018**, 1-5.

112. "Asymmetric Rhodium-Catalyzed Allylic Substitution Reactions: Discovery, Development and Applications to Target Directed Synthesis"
B. W. H. Turnbull and P. A. Evans, *J. Org. Chem.* **2018**, *83*, 11463.

111. "Rhodium-Catalyzed [(3+2)+1] Carbocyclizations of Alkynylidenecyclopropanes with Carbon Monoxide: Construction of Polysubstituted Bicyclohexa-2,5-dienones"
A. J. Burnie and P. A. Evans, *Chem. Commun.* **2018**, *54*, 7621.

110. "Intramolecular Thioether Migration in the Rhodium-Catalyzed Ene-Cycloisomerization of Alkenylidenecyclopropanes by a Metal-Mediated *β*-Sulfide Elimination"
Y. Su, P. A. Inglesby and P. A. Evans, *Angew. Chem. Int. Ed.* **2018***, 57,* 673.

109. "A Concise, Efficient and Scalable Total Synthesis of Thapsigargin and Nortrilobolide from (*R*)-(–)-Carvone"
D. Chen and P. A. Evans, *J. Am. Chem. Soc.* **2017**, *139*, 6046.

108. "Regio- and Stereospecific Rhodium-Catalyzed Allylic Alkylation with an Acyl Anion Equivalent: An Approach to Acyclic α-Ternary β,γ-Unsaturated Aryl Ketones"
B. W. H. Turnbull, J. Chae, S. Oliver and P. A. Evans, *Chem. Sci.* **2017**, *8*, 4001.

107. "Enantioselective Rhodium-Catalyzed Allylic Alkylation of Prochiral α,α-Disubstituted Aldehyde Enolates for the Construction of Acyclic Quaternary Stereogenic Centers"
T. B. Wright and P. A. Evans, *J. Am. Chem. Soc.* **2016**, *138*, 15303.

106. "Recent Developments in Asymmetric Allylic Amination Reactions"
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2. "Asymmetric Synthesis of Unsaturated Medium Ring Heterocycles and Applications to the Synthesis of Natural Products"
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1. "Synthesis of Homochiral Unsaturated Seven-Membered Lactams"
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Patents (PT#):

5. U.S. Patent No.: US 12,239.639
   Inventors: Rebecca Grange, John Allingham, Andrew Craig, Andrew Evans and Madhu Aeluri
   Title: Cytotoxic Actin-Targeting Compounds
   Issue Date: March 4, 2025.
4. U.S. Patent No.: US 11,168,064 B2
   Inventors: P. Andrew Evans and Dezhi Chen
   Title: Synthesis of Thapsigargin, Nortrilobolide, and Analogs Thereof
   Issue Date: November 9, 2021.
3. U.S. Patent No.: 16/639,297
   Inventors: Rebecca Grange, John Allingham, Andrew Craig and Andrew Evans
   Title: Cytotoxic Actin-Targeting Compounds
   Issue Date: February 23, 2022
2. International Patent Application No.: PCT/CA2018/050369
   Inventors: Andrew Evans and Dezhi Chen
   Title: Synthesis of Thapsigargin, Nortrilobolide, and Analogs Thereof
   Filing Date: March 27, 2018.
1. International Patent Application No.: PCT/CA2018/051000
   Inventors: Rebecca Grange, John Allingham, Andrew Craig, Andrew Evans and Madhu Aeluri
   Title: Cytotoxic Actin-Targeting Compounds
   Filing Date: August 17, 2018.

Presentations at Scientific Meetings and Symposia:

1. N. R. Curtis, P. A. Evans, A. B. Holmes, R. W. Carling, and K. Russell, "New Methodology for the Stereoselective Synthesis of Medium Ring Oxygen and Nitrogen Heterocycles" poster presented at the Oxford Synthesis Meeting, Oxford, July, 1989.
2. N. R. Curtis, P. A. Evans, A. B. Holmes, M. Looney, N. Pearson, and G. C. Slim, "Asymmetric Synthesis of Unsaturated Medium Ring Heterocycles and Applications to the Synthesis of Natural Products" poster presented at the S.K.F. Medicinal Chemistry Symposium, Cambridge, 1990.
3. P. A. Evans and A. B. Holmes, "Monocyclic Medium ring Lactams" oral presentation at the Graduate Heterocyclic Conference, Manchester, UK, July 4, 1990.

4. P. A. Evans and A. B. Holmes, "New Methodology for the Preparation of Monocyclic Medium ring Lactams" invited lecture presented at Cambridge University, Cambridge, 1990.

5. P. Magnus, A. Evans, and J. Lacour, "New Trialkylsilyl Enol Ether Chemistry" invited lecture presented at the 204th American Chemical Society National Meeting, Washington, DC, August 23-28, 1992.

6. J. M. Longmire and P. A. Evans, "New Trialkylsilyl Enol Ether Chemistry" oral presentation at the 58th Annual Intercollegiate Student Chemists Convention, West Chester, PA, April 16, 1994.

7. P. A. Evans, J. D. Nelson, J. D. Roseman and A. L. Stanley, "Complimentary Electrophilic and Nucleophilic Acylation Reactions in Natural Product Synthesis" poster presented at the 6th Symposium on the Trends in Organic Synthesis, Blacksburg, VA, September 28-October 2, 1994.

8. A. L. Stanley and P. A. Evans, "Stereoselective Synthesis of 2,5-Disubstituted Pyrrolidin-3-ones *via* an Acyl Radical Cyclization" oral presentation at the 209th American Chemical Society National Meeting, Anaheim, CA, April 2-6, 1995.

9. D. P. Modi and P. A. Evans, "Novel Azidonation/Ring Expansion Approach to Lactams" oral presentation at 59th Annual Intercollegiate Student Chemists Convention, Allentown, PA, April 8, 1995.

10. P. A. Evans, J. D. Roseman and A. L. Stanley, "Stereoselective Synthesis of Heterocycles *via* Intramolecular Acyl Radical Cyclizations" invited lecture presented at the 12th Lakeland Heterocyclic Symposium, Grasmere, UK, May 4-8, 1995.

11. J. D. Roseman and P. A. Evans, "Stereoselective Synthesis of Cyclic Ethers *via* Intramolecular Acyl Radical Cyclizations" poster presented at the 34th National Organic Symposium, Williamsburg, VA, June 11-15, 1995.

12. P. A. Evans, J. D. Roseman and A. L. Stanley, "Stereoselective Synthesis of Heterocycles *via* Intramolecular Acyl Radical Cyclizations" poster presented at the Heterocycles Gordon Conference, New Hampton, NH, July 9-14, 1995.

13. J. R. Remy and P. A. Evans, "Development of a New Formyl Anion Equivalent" oral presentation at 60th Annual Intercollegiate Student Chemists Convention, Collegeville, PA, April 13, 1996.

14. J. D. Nelson and P. A. Evans, "Stereoselective Synthesis of Dihydropyran-4-ones *via* a Hetero Diels-Alder Reaction and Dehydrogenation" oral presentation at the 30th American Chemical Society Middle Atlantic Regional Meeting, Villanova, PA, May 22-24, 1996.

15. L. T. Garber and P. A. Evans, "Diastereoselective Formation of Cyclic Acetals *via* a Fluoride-Catalyzed Hetero Michael Reaction" oral presentation at the 30th American Chemical Society Middle Atlantic Regional Meeting, Villanova, PA, May 22-24, 1996.

16. P. A. Evans and J. D. Roseman, "Stereoselective Construction of Cyclic Ethers *via* Intramolecular Acyl Radical Cyclizations" oral presentation at the 30th American Chemical Society Middle Atlantic Regional Meeting, Villanova, PA, May 22-24, 1996.

17. T. A. Brandt and P. A. Evans, "Novel Hypervalent Iodine-Promoted Halogenation and Acetoxylation of 1,4-Dimethoxynaphthalenes" oral presentation at the 30th American Chemical Society Middle Atlantic Regional Meeting, Villanova, PA, May 22-24, 1996.

18. P. A. Evans, J. D. Roseman and L. T. Garber, "Stereoselective Construction of Cyclic Ethers *via* Intramolecular Acyl Radical Cyclizations" oral presentation and poster presented at the Heterocycles Gordon Conference, New Hampton, NH, July 7-11, 1996.

19. P. A. Evans, "Stereoselective Construction of Heterocycles *via* Intramolecular Acyl Radical Cyclizations" invited lecture presented at the 7th Symposium on the Latest Trends in Organic Synthesis, Gainsville, FL, October 23-27, 1996.

20. P. A. Evans and Jamie D. Roseman, "Stereoselective Construction of Cyclic Ethers *via* Intramolecular Acyl Radical Cyclizations" invited lecture presented at the 30th American Chemical Society South East Regional Meeting, Greenville, SC, November 10-13, 1996.

21. P. A. Evans and Jamie D. Roseman, "Enantioselective Total Synthesis of (–)-Kumausallene" oral presentation at the 213th American Chemical Society National Meeting, San Francisco, CA, April 13-17, 1997.

22. J. D. Roseman and P. A. Evans, "Stereoselective Synthesis of Cyclic Ether Containing Natural Products" poster presented at the 35th National Organic Symposium, San Antonio, TX, June 22-26, 1997.

23. T. A. Brandt and P. A. Evans, "Enantioselective Palladium Catalyzed Heck Reaction, Allylic Alkylation and Amination using a Novel 1,3-Oxazine Ligand" poster presented at the 35th National Organic Symposium, San Antonio, TX, June 22-26, 1997.

24. P. A. Evans and Jamie D. Roseman, "Stereoselective Synthesis of Biologically Important Cyclic Ether Containing Natural Products *via* Intramolecular Radical Cyclizations"oral presentation and poster presented at the Natural Products Gordon Conference, New England College, NH, July 6-11, 1997.

25. P. A. Evans and Thomas A. Brandt, "Enantioselective Palladium Catalyzed Heck Reaction, Allylic Alkylation and Amination using a Novel 1,3-Oxazine Ligand" poster presented at the Natural Products Gordon Conference, New England College, NH, July 6-11, 1997.

25. P. A. Evans, T. A. Brandt and J. D. Nelson, "Novel Palladium/Rhodium Catalyzed Allylic Alkylation Reactions" oral presentation at the 16th International Congress of Heterocyclic Chemistry, Bozeman, MT, August 10-15, 1997.

27. P. A. Evans, "Exploring New Reactivity for the Expeditious Synthesis of Biologically Important Natural products" award lecture presented at the 1997 Excellence in Chemistry Awards, Zeneca Pharmaceuticals, DE, November 5, 1997.

28. P. A. Evans, "Acyl Radicals as Useful Reactive Intermediates for the Stereocontrolled Synthesis of Marine Natural Products" invited lecture presented at the 14th Rocky Mountain Regional Meeting, Tucson, AZ, March 15-18, 1998.

29. J. D. Nelson and P. A. Evans, "Regioselective Rhodium-Catalyzed Allylic Alkylation with a *Modified* Wilkinson's Catalyst: Construction of Quaternary Carbon Stereogenic Centers" oral presentation at the 215th American Chemical Society National Meeting, Dallas, TX, March 29-April 2, 1998.

30. P. A. Evans, Thomas A. Brandt and Jade D. Nelson, "New Transition Metal Catalyzed Allylic Alkylation Reactions" invited lecture presented at the Stereochemistry Gordon Conference at Salve Regina University, RI, June 7-12, 1998.

31. P. A. Evans and Thomas A. Brandt, "Asymmetric Palladium-Catalyzed Allylic Alkylation using Vinylogous Sulfonates" oral presentation at the 216th American Chemical Society National Meeting, Boston, MA, August 23-27, 1998.

32. V. S. Murthy and P. Andrew Evans, "Temporary Silicon-Tethered Ring-Closing Metathesis Approach to C_2-Symmetric 1,4-Diols" oral presentation at the 216th American Chemical Society National Meeting, Boston, MA, August 23-27, 1998.

33. P. A. Evans, "The Metal-Catalyzed Allylic Substitution Reaction Revisited" invited lecture presented at the Center for Catalytic Science and Technology Annual Research Review, Newark, DE, October 16, 1998.

34. D. E. Engers and P. A. Evans, "Regioselective Alkylation of Triisopropylsilyl Enol Ethers" poster presented at the 1st Annual Undergraduate Research Symposium in the Chemical and Biological Sciences, Baltimore County, MD, October 24, 1998.

35. P. A. Evans, "The Asymmetric Metal-Catalyzed Allylic Substitution Reaction Revisited" invited talk presented at the PUDDuP meeting, Wilmington, DE, March 31, 1999.

36. P. A. Evans, "Acyl Radicals as Useful Reactive Intermediates for the Asymmetric Synthesis of Biologically Important Natural Products" invited lecture presented at the Free Radical Reactions Gordon Conference at Holderness School, Plymouth, NH, June 11-16, 1999.

37. P. A. Evans, J. E. Robinson and J. D. Nelson, "Enantiospecific Synthesis of Allylamines *via* the Regioselective Rhodium-Catalyzed Allylic Amination Reaction" oral presentation at the 218th American Chemical Society National Meeting, New Orleans, LA, August 22-26, 1999.

38. P. A. Evans and V. S. Murthy, "Total Synthesis of the Antitumor Agent Mucocin using a Temporary Silicon-Tethered RCM Cross-Coupling Reaction" invited lecture presented at the 218th American Chemical Society National Meeting, New Orleans, LA, August 22-26, 1999.

39. P. A. Evans, "Exploring New Reactivity for the Expeditious Synthesis of Biologically Important Natural Products" award lecture presented at the 1999 Chemistry Scholar Awards, GlaxoWellcome Pharmaceuticals, NC, October 1, 1999.

40. P. A. Evans, V. Srinivasa Murthy, and Gerald P. Buffone, "Total Synthesis of the Antitumor Agent Mucocin using a Temporary Silicon-Tethered RCM Cross-Coupling Reaction" invited lecture presented at the 11th RACIC Meeting, Canberra, Australia, Feb. 6-11, 2000.

41. P. A. Evans, "New Organometallic Cross-Coupling Reactions for Synthetic Chemistry" award lecture presented at the 2000 Eli Lilly Young Faculty Grantee Symposium, Eli Lilly Corporation, IN, March 6-7, 2000.

42. T. Manangan and P. A. Evans, "Stereoselective Synthesis of Nitrogen Heterocycles *via* Intramolecular Acyl Radical Cyclizations" oral presentation at the 219th American Chemical Society National Meeting, San Francisco, CA, March 26-30, 2000.

43. P. A. Evans, "Regioselective Rhodium-Catalyzed Allylic Substitution Reactions" invited lecture presented at the Organic Reactions and Processes Gordon Research Conference at the Roger Williams University, RI, July 16-21, 2000.

44. L. J. Kennedy and P. A. Evans, "Enantiospecific and Regioselective Rhodium-Catalyzed Allylic Alkylation: Diastereoselective Approach to Quaternary Carbon Stereogenic Centers" oral presentation at the 220th American Chemical Society National Meeting, Washington, DC, August 20-24, 2000.

45. J. E. Robinson and P. A. Evans, "Tandem Rhodium-Catalyzed Allylic Amination/Pauson-Khand: Diastereoselective Construction of Azabicycles" oral presentation at the 220th American Chemical Society National Meeting, Washington, DC, August 20-24, 2000.

46. D. K. Leahy and P. A. Evans, "Regioselective and Enantiospecific Rhodium-Catalyzed Intermolecular Allylic Etherification with *o*-Substituted Phenols" oral presentation at the 220th American Chemical Society National Meeting, Washington, DC, August 20-24, 2000.

47. P. A. Evans, "New Rhodium-Catalyzed Allylic Substitution Reactions for OrganicSynthesis" invited lecture presented at the New Jersey Section of the ACS, NJ, September 19, 2000.

48. P. A. Evans, "New Metal-Catalyzed Cross-Coupling Reactions: Mechanistic Insights and Synthetic Applications" invited lecture presented at the 2000 Michigan Chemistry Tour, Pfizer Pharmaceuticals, MI, September 21-27, 2000.

49. P. A. Evans, "Stereoselective Intramolecular Free Radical Cyclization Reactions: New Approach to the Polyguanidinium Alkaloids Batzellidine A-F" invited lecture presented at the 2000 Chemistry Scholar Awards, GlaxoWellcome Pharmaceuticals, NC, September 29, 2000.

50. P. A. Evans, "Expeditious Approaches to Biologically Important Complex Natural Products" invited lecture presented at the SFC-Normandy Meeting, Normandy, France, December 4, 2000.

51. P. A. Evans, "New Metal-Catalyzed Cross-Coupling Reactions: Mechanistic Insights and Synthetic Applications" invited lecture presented at the SFC-Rhodia Symposium, Paris, France, December 5, 2000.

52. P. A. Evans, "Stereoselective Synthesis of Nitrogen Heterocycles *via* Intramolecular Radical Cyclizations" invited lecture presented at the 2000 Pacific Basin Conference, HI, December 14-19, 2000.

53. P. A. Evans, "New Rhodium-Catalyzed Allylic Substitution Chemistry" invited lecture presented at the 2000 Pacific Basin Conference, HI, December 14-19, 2000.

54. P. A. Evans, "New Organometallic Mediated Cross-Coupling Reactions for the Construction of Complex Biologically Important Natural Products" invited lecture presented at the 4th Winter Conference on Medicinal and Bioorganic Chemistry, CO, January 28-February 2, 2001.

55. P. A. Evans, "New Rhodium-Catalyzed Allylic Substitution Reactions: Mechanistic Insight and Synthetic Applications" plenary lecture presented at the 37th National Organic Symposium, Bozeman, MT, June 10-15, 2001.

56. J. E. Robinson and P. A. Evans, "Tandem Rhodium-Catalyzed Allylic Alkylation/Pauson-Khand Reactions: Investigation of Component Reactions Toward the Development of Tandem Processes" poster presented at the 37th National Organic Symposium, Bozeman, MT, June 10-15,

2001.

57. P. A. Evans, "New Organometallic Mediated Cross-Coupling Reactions" invited lecture presented at the 50th Anniversary of the Natural Products Gordon Conference, Tilton School, NH, July 29-August 3, 2001.

58. P. A. Evans, "Stereoselective Synthesis of Nitrogen Containing Heterocycles *via* Intramolecular Radical Cyclizations" invited lecture presented at the 53rd American Chemical Society South East Regional Meeting, Savannah, GA, September 23-26, 2001.

59. P. A. Evans, J. Cui, and B. Delouvrié, "Silicon-Tethered Ring-Closing Metathesis Cross-Coupling Reactions" poster presented at the 15th Annual Johnson and Johnson Focused Giving Symposium, New Brunswick, NJ, November 27, 2001.

60. David K. Leahy and P. A. Evans, "Regioselective Rhodium-Catalyzed Allylic Etherifications with Primary, Secondary and Tertiary Copper(I) Alkoxides as Nucleophiles" oral presentation at the 223rd American Chemical Society National Meeting, Orlando, FL, April 7-11, 2002.

61. J. Cui and P. A. Evans, "Diastereoselective Temporary Silicon-Tethered Ring-Closing Metathesis Reactions with Prochiral Alcohols: A New Approach to Long Range Asymmetric Induction" oral presentation at the 223rd American Chemical Society National Meeting, Orlando, FL, April 7-11, 2002.

62. B. Delouvrié and P. A. Evans, "Bismuth-Catalyzed Reductive Etherification. Application to the Synthesis of Fused Polycyclic Ethers" oral presentation at the 223rd American Chemical Society National Meeting, Orlando, FL, April 7-11, 2002.

63. P. A. Evans, "New Organometallic Cross-Coupling and Annulation Reactions" participant in the NSF Workshop, Squam Lake, NH, June 27-July 1, 2002.

64. P. A. Evans, "Stereoselective Construction of Complex Polycyclic Cyclic Ethers using New Cross-Coupling Reactions" invited seminar presented at the Heterocycles Gordon Conference, Salve Regina University, RI, July 6-11, 2002.

65. L. A. Watson, K. G. Caulton, P. A. Evans and D. K. Leahy, "Identification of the Active Catalyst Precursor and the Mechanism of Rhodium-Catalyzed Allylic Substitutions" oral presentation at the 224th American Chemical Society National Meeting, Boston, MA, August 7-11, 2002.

66. P. A. Evans, "New Rhodium-Catalyzed Cross-Coupling and Cycloaddition Reactions" invited presentation at the 37th American Chemical Society Midwest Regional Meeting, Lawrenceville, KS, October 23-25, 2002.

67. P. A. Evans, J. Cui, and S. Gharpure, "Diastereoselective Synthesis of Pyrans and Oxepane via Bismuth-Initiated Tandem Cyclization-Addition Reactions" poster presented at the 16th Annual Johnson and Johnson Focused Giving Symposium, New Brunswick, NJ, December 3, 2002.

68. P. A. Evans, "New Strategies for the Stereoselective Total Synthesis of Complex Biologically Important Cyclic Ethers" invited seminar at the 225th American Chemical Society National Meeting, New Orleans, LA, March 23-27, 2003.

69. S. J. Gharpure and P. A. Evans, "Intramolecular Lewis-Acid Mediated Reductive Etherification Reactions: Applications to the Total Synthesis of Mucocin and Polycyclic Ethers" oral presentation at the 225th American Chemical Society National Meeting, New Orleans, LA, March 23-27, 2003.

70. D. K. Leahy and P. A. Evans, "Regio- and Enantiospecific Rhodium-Catalyzed Allylic Alkylation Reactions using Copper(I) Enolates" oral presentation at the 225th American Chemical Society National Meeting, New Orleans, LA, March 23-27, 2003.

71. D. Uraguchi and P. A. Evans, "$TpRh(C_2H_4)_2$ Catalyzed Regio- and Enantiospecific Allylic Arylation Reactions of Fluorinated Acyclic Unsymmetrical Carbonates" oral presentation at the 225th American Chemical Society National Meeting, New Orleans, LA, March 23-27, 2003.

72. R. J. Hinkle, P. A. Evans, J. Cui, B. Delouvrié, "Diastereoselective Syntheses of Di- and Tri-Substituted Cyclic Ethers via Tandem Cyclization-Addition Reactions" oral presentation at the 225th American Chemical Society National Meeting, New Orleans, LA, March 23-27, 2003.

73. P. A. Evans, "Bismuth-Catalyzed Etherification Reactions for Complex Polycyclic Ether Synthesis" invited presentation at the 16th Annual Organic Chemistry Day, University of Missouri, MO, April 16, 2003.

74. J. E. Robinson, P. A. Evans, B. Bazin and J. Qin, "New Strategies for the Stereoselective Total Synthesis of Complex Biologically Important Cyclic Ethers" poster presented at the 38th National Organic Symposium, Bloomington, IN, June 8-12, 2003.

75. S. J. Gharpure, R. J. Hinkle, Jian Cui and P. A. Evans, "Bismuth Promoted Diastereoselective Etherification Reactions: Applications to the Synthesis of Cyclic Ethers" poster presented at the 38th National Organic Symposium, Bloomington, IN, June 8-12, 2003.

76. A. I. Polosukhin, H.-R. Zhang, S. J. Gharpure, P. A. Evans, "Enantioselective Total Synthesis of Annonaceous Acetogenin (–)-Mucocin" poster presented at the 38th National Organic Symposium, Bloomington, IN, June 8-12, 2003.

77. A. N. Fazal, E. W. Baum, J. R. Sawyer, J. E. Robinson, and P. A. Evans, "Rhodium-Catalyzed Carbocyclization Reactions" poster presented at the 38th National Organic Symposium, Bloomington, IN, June 8-12, 2003.

78. D. K. Leahy, D. Uraguchi, W. J. Andrews, P. A. Evans, "Regio- and Enantiospecific, Rhodium-Catalyzed Allylic Etherification Reactions Using Sodium Phenoxides and Copper(I) Alkoxides" poster presented at the 38th National Organic Symposium, Bloomington, IN, June 8-12, 2003.

79. M. J. Lawler, D. K. Leahy, P. A. Evans, "Regio- and Enantiospecific, Diastereoselective Rhodium-Catalyzed Allylic Alkylation Reactions Using Copper(I) Enolates" poster presented at the 38th National Organic Symposium, Bloomington, IN, June 8-12, 2003.

80. P. A. Evans, "New Bismuth-Catalyzed Cross-Coupling and Annulation Reactions" invited lecture presented at the Organic Reactions and Processes Gordon Research Conference at the Roger Williams University, RI, July 20-25, 2003.

81. P. A. Evans, "Bismuth-Catalyzed Etherification Reactions for the Stereoselective Construction of Polycyclic Ethers" invited lecture presented at the 35th American Chemical Society Central Regional Meeting, Pittsburgh, PA, October 16-22, 2003.

82. P. A. Evans, "Stereodivergent Construction of Cyclic Ethers Using Catalytic Bismuth Tribromide: Application to the Synthesis of Adjacent and Non-adjacent Polycyclic Ethers" plenary lecture presented at the 1st International COE Symposium on Giant Polyether Natural Products-Isolation and Synthesis, Sendai, Japan, November 21-22, 2003.

83. P. A. Evans, "Stereodivergent Construction of Cyclic Ethers Using Catalytic Bismuth Tribromide: Applications to the Synthesis of Adjacent and Non-Adjacent Polycyclic Ethers" invited seminar presented at the First Annual Focused Giving Mini Symposium on Synthetic Methodology, Raritan, NJ, December 1, 2003.

84. P. A. Evans, J. Cui, S. J. Gharpure and R. J. Hinkle, "Bismuth-Mediated Diastereoselective Etherification Reactions: Applications to the Synthesis of Adjacent and Non-Adjacent Polycyclic Ethers" poster presented at the 17th Annual Johnson and Johnson Focused Giving Symposium, New Brunswick, NJ, December 2, 2003.

85. P. A. Evans and E. W. Baum, "Temporary Silicon-Tethered Rhodium(I)-Catalyzed Intramolecular [4+2+2] Cycloadditions: Studies Toward the Total Synthesis of (+)-Epoxydictymene" oral presentation at the 227th American Chemical Society National Meeting, Anaheim, CA, March 28-April 1, 2004.

86. P. A. Evans, A. N. Fazal, and E. W. Baum, "Highly Diastereoselective Intermolecular [4+2+2] Carbocyclization utilizing Rhodium(I) *N*-Heterocyclic Carbene (NHC) Catalyst" oral

presentation at the 227th American Chemical Society National Meeting, Anaheim, CA, March 28-April 1, 2004.

87. P. A. Evans and M. J. Lawler, "Diastereoselective Rhodium-Catalyzed Allylic Alkylation Reactions using Copper(I) Enolates: A New Route to Trisubstituted Dihydropyrans" oral presentation at the 227th American Chemical Society National Meeting, Anaheim, CA, March 28-April 1, 2004.

88. P. A. Evans and J. R. Sawyer, "Enantioselective Rhodium-Catalyzed [2+2+2] Carbocyclization Reactions" oral presentation at the 227th American Chemical Society National Meeting, Anaheim, CA, March 28-April 1, 2004.

89. P. A. Evans, D. K. Leahy, D. Uraguchi, and W. J. Andrews, "Stereospecific Rhodium-Catalyzed Allylic Etherification: Application to the Synthesis of Cyclic Ethers" oral presentation at the 227th American Chemical Society National Meeting, Anaheim, CA, March 28-April 1, 2004.

90. P. A. Evans, "New Organometallic Mediated Carbocyclization Reactions for the Construction of Complex Natural Products" invited seminar at the 34th University of Ottawa Synthesis Day, Ottawa, ON, May 4, 2004.

91. P. A. Evans, "New Asymmetric Cross-Coupling Reactions: Total Synthesis of the Marine Polyguanidine Alkaloids, Batzelladine A and D" invited seminar at the North Jersey American Chemical Society Organic Chemistry Topical Group Synthesis Day, New Brunswick, NJ, May 27, 2004.

92. P. A. Evans, "New Organometallic Mediated Carbocyclization Reactions for the Construction of Complex Natural Products" invited seminar at the 87th Canadian Chemistry Conference, London, ON, Canada, May 29-June 1, 2004.

93. P. A. Evans, "New Metal-Catalyzed Carbocyclization Reactions for the Synthesis of ComplexTerpene Natural Products" invited seminar at the 36th American Chemical Society Central Regional Meeting, Indianapolis, IN, June 2-4, 2004.

94. P. A. Evans, "Rhodium-Catalyzed Allylic Alkylation and Etherification Reactions using Copper(I) Enolates and Alkoxides and their Application to Target Directed Synthesis" poster presented at the Organic Reactions and Processes Gordon Research Conference, Roger Williams University, RI, July 18-23, 2004.

95. P. A. Evans, "New Metal-Catalyzed Carbocyclization Reactions for the Rapid Construction of Complex Natural Products" invited seminar at the 36th ACS Great Lakes Regional Meeting, Peoria, IL, October 17-20, 2004.

96. P. A. Evans, W. J. Andrews and R. E. Ebrahimian, "Bismuth-Mediated Diastereoselective Etherification Reactions: Synthesis of Cyclic Ethers" poster presented at the 18th Annual Johnson and Johnson Focused Giving Symposium, New Brunswick, NJ, November 30, 2004.

97. P. A. Evans, "Enantioselective Total Synthesis of Batzelladine A and D using Novel Reductive and Oxidative Free Radical Cyclization Reactions" invited lecture presented at the Natural Products Gordon Conference, Tilton School, NH, July 24-28, 2005.

98. P. A. Evans, "New Organometallic Mediated Carbocyclization Reactions for the Construction of Complex Natural Products" invited lecture at the 20th International Society of Heterocyclic Chemistry, Palermo, Italy, July 31-August 5, 2005.

99. P. A. Evans, "New Organometallic Mediated Carbocyclization Reactions for the Construction of Complex Natural Products" invited lecture presented at the SICC-4 Singapore International Chemical Conference, Singapore, December 8-10, 2005.

100. P. A. Evans, "Stereoselective Construction of Complex Polycyclic Ethers Using New Cross-Coupling Reactions: Application to the Synthesis of Adjacent and Non-adjacent Polycyclic Ethers" invited lecture presented at the 2005 Pacific Basin Conference, HI, December 15-20, 2005.

101. J. R. Sawyer and P. A. Evans, "Regio- and Enantioselective Rhodium-Catalyzed [2+2+2] Carbocyclization Reactions" oral presentation at the 232nd ACS National Meeting, San Francisco, CA, Sept. 10-14, 2006.

102. W. J. Andrews and P. A. Evans, "Highly Convergent Enantioselective Formal Total Synthesis of Leucascandrolide A" oral presentation at the 232nd ACS National Meeting, San Francisco, CA, Sept. 10-14, 2006.

103. P. A. Evans, "New Metal-Catalyzed Cross-Coupling and Carbocyclization Reactions for the Construction of Complex Natural Products" keynote speaker at the Gregynog Young Chemists Workshop, Gregynog, Powys, September 29-October 1, 2006.

104. P. A. Evans, "New Metal-Catalyzed Cross-Coupling and Carbocyclization Reactions for the Construction of Complex Natural Products" keynote speaker at the Edinburgh Mini-Organic Synthesis Symposium, University of Edinburgh, Edinburgh, UK, October 18, 2006.

105. P. A. Evans, W. J. Andrews and X. Zhao, "Progress Towards the Synthesis of Leucascandrolide A and the Gambieric Acids: Cyclic Ether Containing Natural Products" poster presented at the 19th Annual Johnson and Johnson Focused Giving Symposium, New Brunswick, NJ, November 28, 2006.

106. P. A. Evans, "New Metal-Catalyzed Cross-Coupling and Carbocyclization Reactions for the Construction of Complex Natural Products" invited speaker at the Southampton Organic Synthesis Symposium, University of Southampton, Southampton, Hampshire, January 26, 2007.

107. P. A. Evans, "Total Synthesis of Complex Bioactive Natural Products" invited speaker at the Organic Synthesis Symposium, University of Nottingham, Nottingham, February 21, 2007.

108. P. A. Evans, "Total Synthesis of Complex Bioactive Natural Products" plenary speaker at the RSC Organic Division North East Regional Meeting, The University of York, York, April 4, 2007.

109. X. Zhao and P. A. Evans, "Progress Toward the Total Synthesis of Gambieric Acids: Construction of the GHIJ Ring System" oral presentation at the 233rd ACS National Meeting, Chicago, IL, USA, March 25-29, 2007

110. M. J. Lawler and P. A. Evans, "Enantioselective Rhodium-Catalyzed Allylations of □-Alkoxy Ketone Enolates" oral presentation at the 233rd ACS National Meeting, Chicago, IL, USA, March 25-29, 2007.

111. W. J. Andrews and P. A. Evans, "Highly Convergent Enantioselective Formal Total Synthesis of Leucascandrolide A" poster presented at the 40th National Organic Symposium, Durham, NC, June 3-7, 2007.

112. E. A. Clizbe and P. A. Evans, "Stereospecific Rhodium-Catalyzed Allylic Amination with an Ylide Pronucleophile" poster presented at the 40th National Organic Symposium, Durham, NC, June 3-7, 2007.

113. A. Cusak and P. A. Evans, "Temporary Silicon-Tethered Ring-Closing Metathesis Approach to Polyketide Fragments: Asymmetric Synthesis of the C16-C30 Fragment of Amphidinol 3" poster presented at the 40th National Organic Symposium, Durham, NC, June 3-7, 2007.

114. A. Dancevic and P. A. Evans, "Regioselective Rhodium-Catalyzed Allylic Oxidation" poster presented at the 40th National Organic Symposium, Durham, NC, June 3-7, 2007.

115. M. J. Lawler and P. A. Evans, "Enantioselective Rhodium-Catalyzed Allylations of □-Alkoxy Ketone Enolates" poster presented at the 40th National Organic Symposium, Durham, NC, June 3-7, 2007.

116. J. E. Robinson, P. A. Evans, J. Qin and B. Bazin, "A Novel and Concise Approach to the Synthesis of Polycyclic Guanidines: Total Synthesis of (–)-Batzelladine D" poster presented at the 40th National Organic Symposium, Durham, NC, June 3-7, 2007.

117. J. R. Sawyer and P. A. Evans, "Regio- and Enantioselective Rhodium-Catalyzed [2+2+2]

Carbocyclization Reactions" poster presented at the 40th National Organic Symposium, Durham, NC, June 3-7, 2007.

118. P. A. Evans, "New Asymmetric Rhodium-Catalyzed Reactions as Enabling Tools for Synthesis" plenary speaker at the 20th International Symposium: Synthesis in Organic Chemistry, Cambridge, July 16-19, 2007.

119. P. A. Evans, "New Asymmetric Rhodium-Catalyzed Allylic Substitution Reactions" plenary speaker at the 8th Sigma Aldrich Symposium for Young Chemists, Montceaux, France, October 15-17, 2007.

120. P. A. Evans, "New Metal-Catalyzed Reactions for the Total Synthesis of Complex Bioactive Natural Products" plenary speaker at the Pfizer Autumn Chemistry Symposium, Sandwich, November 9, 2007.

121. P. A. Evans, "Total Synthesis of Complex Bioactive Natural Products" plenary speaker at the WestCHEM Organic Colloquia, University of Strathclyde, Glasgow, November 14, 2007.

122. P. A. Evans, "New Asymmetric Rhodium-Catalyzed Allylic Substitution Reactions" invited speaker at the International Symposium on Catalysis and Fine Chemicals 2007, Singapore, December 16-21, 2007.

123. P. A. Evans, "New Higher-Order Transition Metal-Catalyzed Carbocyclizations Reactions for the Construction of Complex Natural Products" plenary speaker at the RSC Organic Division: Heterocyclic and Synthesis Group Meeting, Imperial College, London, January 4, 2008.

124. P. A. Evans, "New Stereoselective Higher-Order Rhodium-Catalyzed Carbocyclizations Reactions for Total Synthesis" keynote speaker at the RSC Organic Division S&W Regional Meeting, University of Oxford, Oxford, January 8, 2008.

125. P. A. Evans, "Total Synthesis of Complex Bioactive Natural Products: You Really Can Teach An Old Dog New Tricks!" Think Lecture in the Inaugural Lecture Series 2007/2008, University of Liverpool, Liverpool, March 11, 2008.

126. P. A. Evans, "New Asymmetric Rhodium-Catalyzed Allylic Substitution Reactions for the Total Synthesis of Bioactive Natural Products" plenary lecture presented at the Journées de Chimie Moléculaire 2008, Université P. et M. Curie – Paris 6, Paris, France, May 22-23, 2008.

127. P. A. Evans, "Stereoselective Construction of Complex Polycyclic Cyclic Ethers using Cross-Coupling Reactions" plenary lecture presented at the Heterocycles Gordon Conference, Salve Regina University, RI, United States, June 6-11, 2008.

128. P. A. Evans, "Total Synthesis of Bioactive Natural Products using Enantioselective Rhodium-Catalyzed Allylic Substitution Reactions" invited lecture presented at the 17th International Conference on Organic Synthesis, Daejeon, Korea, June 22-27, 2008.

129. E. A. Clizbe and P. A. Evans, "Transition Metal-Catalyzed Allylic Amination with Ylide Pronucleophiles" oral presentation at the 236th ACS National Meeting, Philadelphia, PA, United States, August 17-21, 2008.

130. A. Dancevic and P. A. Evans, "Highly Regioselective Rhodium-Catalyzed Allylic Oxidation of Prochiral Cyclopentenes" oral presentation at the 236th ACS National Meeting, Philadelphia, PA, United States, August 17-21, 2008.

131. P. A. Inglesby, P. A. Evans and S. Butterworth, "Intermolecular Rhodium-Catalyzed [3+2+2] Carbocyclizations of Methylenecyclopropanes with Unsymmetrical Alkynes" oral presentation at the 236th ACS National Meeting, Philadelphia, PA, United States, August 17-21, 2008.

132. H. J. Laidlaw, P. A. Evans, S. J. Atkinson, J. R. Sawyer and A. T. Gillmore, "Intramolecular Rhodium(I)-Catalyzed [2+2+2] Cycloisomerization Reaction of Dienynes" oral presentation at the 236th ACS National Meeting, Philadelphia, PA, United States, August 17-21, 2008.

133. A. Cusak and P. A. Evans, "Temporary Silicon-Tethered Ring-Closing Metathesis Approach to Polyketide Fragments: Asymmetric Synthesis of the C1-C30 Fragment of Amphidinol 3" oral presentation at the 236th ACS National Meeting, Philadelphia, PA, United States, August 17-21, 2008.

134. P. A. Evans, "New Metal-Catalysed Reactions for the Construction of Complex Natural Products" invited lecture presented at the Andrew B. Holmes 65th Birthday Symposium, Cambridge, September 5, 2008.

135. P. A. Evans, "New Metal-Catalysed Reactions for the Construction of Complex Natural Products" invited lecture presented at the AstraZeneca and Loughborough University Organic Synthesis Symposium, Loughborough University, Loughborough, October 15, 2008.

136. P. A. Evans, "New Asymmetric Rhodium-Catalyzed Allylic Substitution Reactions for the Total Synthesis of Bioactive Natural Products" invited lecture presented at the 2nd Coast to Coast Medicinal and Synthetic Chemistry Symposium, Torquay, October 26-28, 2008.

137. P. A. Evans, "New Asymmetric Metal-Catalyzed Reactions for the Total Synthesis of Bioactive Natural Products" invited lecture presented at the Synthetic Chemistry Symposium, University of Bath, Bath, November 26, 2008.

138. P. A. Evans, "New Metal-Catalyzed Cross-Coupling and Carbocyclization Reactions" invited lecture presented at the Organic Reactions and Processes Gordon Research Conference at the Bryant University, RI, United States, July 19-24, 2009.

139. P. A. Evans, "New Multi-Component Transition Metal-Catalyzed Carbocyclization Reactions" invited lecture presented at the 15th IUPAC Symposium on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS 15), Glasgow, July 26-30, 2009.

140. P. A. Evans, "New Asymmetric Methods for Heterocyclic Synthesis – Total Synthesis of Marinomycin A" invited lecture presented at the 22nd International Society on Heterocyclic Chemistry, St. John's, NL, Canada, August 2-7, 2009.

141. S. Ng, P. A. Evans and A. Longstaff, "Copper-Catalyzed Oxidation *via* C-H Activation Utilizing Sub-Stoichiometric Co-Oxidant" oral presentation at the 238th ACS National Meeting, Washington, DC, United States, August 16-20, 2009.

142. P. A. Evans, "New Asymmetric Methods for Heterocyclic Synthesis – Total Synthesis of Marinomycin A" invited lecture at the Asymchem Fall Symposium in Process Chemistry, Tianjin, China, October 18-19, 2009.

143. P. A. Evans, "New Higher-Order Metal-Catalyzed Carbocyclisation Reactions – Stereoselective Construction of Complex Polycyclic Natural Products" Pedler Award Lecture at the RSC Organic Division Award Symposium, University of Birmingham, Birmingham, November 11, 2009.

144. P. A. Evans, "New Multi-Component Transition Metal-Catalyzed Carbocyclization Reactions" invited lecture presented at the QAFCO-TAMUQ Chemistry Conference, Doha, QA, January 21, 2010.

145. S. Sreekumar and P. A. Evans, "Studies Towards the Total Synthesis of Lancifodilactone G" Oral presentation at the 239th ACS National Meeting, San Francisco, United States, March 21-25, 2010.

146. E. A. Clizbe and P. A. Evans, "Asymmetric Metal-Catalyzed Allylic Amination Reactions" poster presentation at the 239th ACS National Meeting, San Francisco, United States, March 21-25, 2010.

147. A. Grisin and P. A. Evans, "Diastereoselective Construction of *Syn*-1,3-Diols *via* a Bismuth(III) Mediated Intramolecular Conjugate Addition of Hemiacetal Nucleophiles" oral presentation at the 239th ACS National Meeting, San Francisco, United States, March 21-25, 2010.

148. S. Oliver and P. A. Evans "Rhodium-Catalyzed Allylic Substitution using an Acyl Anion Equivalent" oral presentation at the 239th ACS National Meeting, San Francisco, United States, March 21-25, 2010.

149. P. A. Evans "New Multi-Component Transition Metal-Catalyzed Carbocyclization Reactions" plenary lecture at the 11th Tetrahedron Symposium – Frontiers of Organic Chemistry, Beijing, China, June 22-25, 2010.

150. P. A. Evans, "New Metal-Catalyzed Reactions as Enabling Tools for the Expeditious Synthesis of Complex Natural Products" invited lecture presented at the Natural Products Gordon Research Conference, Tilton School, NH, United States, July 25-29, 2010.

151. P. Ricci, P. A. Evans and M.-H. Baik, "Computationally Inspired Diastereo- and Enantioselective Rhodium-Catalyzed Pauson-Khand Reaction at Room Temperature" oral presentation at the 240th ACS National Meeting, Boston, United States, August 22-26, 2010.

152. P. A. Inglesby and P. A. Evans, "Diastereoselective Rhodium-Catalyzed Ene-Cycloisomerization of Alkenylidenecyclopropanes: Application to the Total Synthesis of (–)-□-Kainic Acid" oral presentation at the 240th ACS National Meeting, Boston, United States, August 22-26, 2010.

153. P. A. Evans, "New Multi-Component Transition Metal-Catalyzed Carbocyclization Reactions" invited lecture presented at the ESF-COST Conference on Natural Products Chemistry, Biology and Medicine III, Acquafredda di Maratea, Italy, September 5-10, 2010.

154. P. A. Evans, "New Multi-Component Transition Metal-Catalyzed Carbocyclization Reactions" invited lecture presented at the 2010 Pacific Basin Conference, HI, December 15-20, 2010.

155. P. A. Evans, "New Multi-Component Transition Metal-Catalyzed Carbocyclization Reactions" invited lecture presented at the 1st RCUK China Funded UK-China Workshop on Metals in Organic Synthesis: Toward Cleaner, Greener Chemical Processes, Peking University, Beijing, China, January 9-13, 2011.

156. P. A. Evans, "New Multi-Component Transition Metal-Catalyzed Carbocyclization Reactions" invited lecture presented at the Catalysis and Sensing for Health, University of Bath, Bath, January 31-February 2, 2011.

157. S. Sreekumar and P. A. Evans, "Studies Toward the Total Synthesis of Lancifodilactone G" oral presentation at the 241st ACS National Meeting, Anaheim, CA, United States, March 27-31, 2011.

158. M.-H. Huang and P. A. Evans, "Total Synthesis of Marinomycin A" oral presentation at the 241st ACS National Meeting, Anaheim, CA, United States, March 27-31, 2011.

159. O. S. Ojo and P. A. Evans, "Diastereoselective Rhodium-Catalyzed [3+2] and [4+3] Carbocyclization Reactions" oral presentation at the 241st ACS National Meeting, Anaheim, CA, United States, March 27-31, 2011.

160. R. C. O'Connor and P. A. Evans, "Rhodium-Catalyzed Allylic Substitution using an Unstabilized Carbon Nucleophile" oral presentation at the 241st ACS National Meeting, Anaheim, CA, United States, March 27-31, 2011.

161. P. A. Evans, "New Multi-Component Transition Metal-Catalyzed Carbocyclization Reactions" invited lecture presented at the 3rd UK/Japanese Symposium on Catalytic Asymmetric Synthesis, University of Oxford, Oxford, April 14-16, 2011.

162. P. A. Evans, "New Multi-Component Transition Metal-Catalyzed Carbocyclization Reactions" keynote lecture presented at the 20th Lakeland Symposium on Heterocyclic Chemistry, Grasmere, May 5-9, 2011.

163. H. J. Laidlaw and P. A. Evans, "Diastereoselective Intramolecular Rhodium-Catalysed [2+2+2] and [4+2+2] Cycloisomerisation Reactions and their Application in Total Synthesis" poster presented at the 42nd National Organic Symposium, Princeton, NJ, United States, June 5-9, 2011.

164. P. Ricci, M.-H. Baik and P. A. Evans, "Computationally Inspired Diastereo- and Enantioselective Rhodium-Catalyzed Pauson-Khand Reaction at Room Temperature" poster presented at the 42nd National Organic Symposium, Princeton, NJ, United States, June 5-9, 2011.

165. A. Sreekumar and P. A. Evans, "Studies Towards the Total Synthesis of Lancifodilactone G" poster presented at the 42nd National Organic Symposium, Princeton, NJ, United States, June 5-9, 2011.

166. A. Grisin and P. A. Evans, "Studies Towards C1-C30 Fragment of Amphidinol 3" poster presented at the 42nd National Organic Symposium, Princeton, NJ, United States, June 5-9, 2011.

167. P. A. Evans, "New Multi-Component Transition Metal-Catalyzed Carbocyclization Reactions" keynote speaker at the 23rd International Symposium on Chiral Discrimination (ISCD), Liverpool, United Kingdom, July10-13, 2011.

168. P. A. Evans, "New Multi-Component Rhodium-Catalyzed Carbocyclization Reactions" keynote speaker at BIT's 2nd Annual World Congress of Catalytic Asymmetric Synthesis, Beijing, China, August 9-11, 2011.

169. P. A. Evans, "New Vistas in the Total Synthesis of Complex Bioactive Natural Products" keynote speaker at the Gregynog Young Chemists Workshop, Gregynog, Powys, September 23-25, 2011.

170. P. A. Evans, "New Vistas in Catalysis: Synthesis of Complex Bioactive Natural Products" plenary speaker at the RSC Organic Regional Meeting, Trinity College, Dublin, Ireland, December 1, 2011.

171. P. A. Evans, "New Vistas in Catalysis: Synthesis of Complex Bioactive Natural Products" distinguished speaker at the 2011 Excellence in Chemistry Awards Symposium, Alderley Park, Cheshire, December 13, 2011.

172. P. A. Evans, "New Vistas in the Total Synthesis of Complex Bioactive Natural Products" keynote speaker at the 24th Mona Symposium on Natural Products and Medicinal Chemistry, Kingston, Jamaica, January 3-6, 2012.

173. P. A. Evans, "New Vistas in the Total Synthesis of Complex Bioactive Natural Products" keynote speaker at the 45th Annual Sheffield Stereochemistry Meeting, Sheffield, January 10, 2012.

174. P. A. Evans, "New Vistas in Catalysis and Synthesis: Total Synthesis of Bioactive Natural Products" 2011 Lilly Lecturer at the Imperial College London, South Kensington, London, UK, February 28, 2012.

175. P. A. Evans, "New Transition Metal-Catalyzed Higher-Order Carbocyclization Reactions" invited lecture at the 7th Asia European Symposium on Metal-Mediated Efficient Organic Synthesis, Institut Català d'Investigació Química, (ICIQ), Tarragona, ES, July 22-27, 2012.

176. S. Maroto and P. A. Evans, "Stereoselective Synthesis of the Fully Functionalized GHIJ Ring Fragment of Gambieric Acids" oral presentation at the 244th American Chemical Society National Meeting, Philadelphia, PA, August 19-23, 2012.

177. D. E. Negru, D. Shang and P. A. Evans, "Stereoselective Rhodium(I)-Catalyzed [(3+2)+1] and [(3+2)+2] Carbocyclization Reactions" oral presentation at the 245th American Chemical Society National Meeting, New Orleans, LA, April 7-11, 2013.

178. R. L. Grange, P. A. Evans, E. A. Clizbe and E. J. Counsell, "Asymmetric Allylic Substitutions with Ylide Pronucleophiles: Development of Novel Enantiospecific and Enantioselective Processes" oral presentation at the 245th American Chemical Society National Meeting, New Orleans, LA, April 7-11, 2013.

179. P. A. Inglesby and P. A. Evans, "Stereoselective Synthesis of the Polycyclic Lactarane Skeleton *via* a Rhodium-Catalyzed [(3+2)+2] Carbocyclization: Total Synthesis of Pyrovellerolactone" oral presentation at the 245th American Chemical Society National Meeting, New Orleans, LA, April 7-11, 2013.

180. S. Yip and P. A. Evans, "Regio- and Enantioselective Iridium-Catalyzed Allylic Substitution utilizing Sulfilimine Pronucleophiles" oral presentation at the 245th American Chemical Society National Meeting, New Orleans, LA, April 7-11, 2013.

181. P. A. Evans, "New Developments in Higher-Order Carbocyclization Reactions" plenary speaker at the 2013 Thieme Nagoya Symposium, Nagoya, Japan, May 23, 2013.

182. P. A. Evans, "Total Synthesis of Marinomycin A" invited lecture at the 96th Canadian Chemistry Conference and Exhibition, Quebec City, QC, May 26-30, 2013.

183. P. A. Evans, "New Vistas in Multi-Component Reactions: Applications to Complex Bioactive Natural Products" inaugural Doug Butler Lecturer at York University, Toronto, ON, April 30, 2014.

184. P. A. Evans, "New Developments in Rhodium-Catalyzed Higher-Order Carbocyclization Reactions" invited lecture at the 97th Canadian Chemistry Conference and Exhibition, Vancouver, BC, June 1-5, 2014.

185. P. A. Evans, "Development of Higher-Order Carbocyclization Reactions: Emulating Terpene Biosynthesis" invited lecture at the 10th SINO-US Chemistry Professors Conference, Jinan, China, June 15-17, 2014.

186. A. Grisin and P. A. Evans, "Asymmetric Synthesis of the C1-C31 Fragment of Amphidinol 3" oral presentation at the 248th American Chemical Society National Meeting, San Francisco, CA, August 10-14, 2014.

187. P. A. Evans, "Development of New-Higher-Order Carbocyclization Reactions: Emulating Terpene Biosynthesis" invited lecture at the RACI National Congress, Adelaide, Australia, December 7-12, 2014.

188. P. A. Evans, "New Allylic Alkylation Reactions: Asymmetric Construction of Quaternary Carbon Stereogenic Centers" invited lecture presented in the *Herbert C. Brown Award Symposium in Honor of Gary A. Molander* at the 249th American Chemical Society National Meeting, Denver, CO, March 22-26, 2015.

189. P. A. Evans, "New Allylic Alkylation Reactions: Asymmetric Construction of Acyclic Quaternary Carbon Stereogenic Centers" invited lecture at the 98th Canadian Chemistry Conference and Exhibition, Ottawa, ON, June 13-17, 2015.

190. J. L. Cosman, P. A. Evans and V. Snieckus "Complementing DoM: Development of an Iridium-Catalyzed *ortho*-Selective C-H Borylation of Tertiary Benzamides" invited lecture at the 98th Canadian Chemistry Conference and Exhibition, Ottawa, ON, June 13-17, 2015.

191. A. J. Burnie, D. E. Negru and P. A. Evans "Rhodium-Catalyzed [(3+2)+1] Carbocyclization of Alkynylidenecyclopropanes with Carbon Monoxide: Regiospecific Construction of Polysubstituted Phenols" invited lecture at the 98th Canadian Chemistry Conference and Exhibition, Ottawa, ON, June 13-17, 2015.

192. M. J. Dushnicky and P. A. Evans "Rhodium(I)-Catalyzed [(3+2)+2] Carbocyclization Reactions of ACPs in Total Synthesis: Preparation of Tremulane Sesquiterpene Natural Products" invited lecture at the 98th Canadian Chemistry Conference and Exhibition, Ottawa, ON, June 13-17, 2015.

193. P. A. Evans, "New Allylic Alkylation Reactions: Asymmetric Construction of Acyclic Quaternary Carbon Stereogenic Centers" invited lecture at the Summer Symposium in Green Chemistry and Catalysis, The University of Texas at Austin, Austin, TX, July 22, 2015.

194. R. L. Grange and P. A. Evans, "Metal-Free Metathesis Reaction of *C*-Chiral Allylic Sulfilimines with Aryl Isocyanates: Construction of Chiral Nonracemic Allylic Isocyanates" invited lecture at the 250th American Chemical Society National Meeting, Boston, MA, August 16-20, 2015.

195. B. W. H. Turnbull and P. A. Evans, "Enantioselective Rhodium-Catalyzed Allylic Substitution with a Nitrile Anion: Construction of Acyclic Quaternary Carbon Stereogenic Centers" invited lecture at the 250th American Chemical Society National Meeting, Boston, MA, August 16-20, 2015.

196. P. A. Evans, "Development of New Higher-Order Carbocyclization Reactions: Emulating Terpene Biosynthesis" invited lecture at the 25th ISHC Congress, Santa Barbara, CA, August 23-28, 2015.

197. P. A. Evans, "New Allylic Alkylation Reactions: Asymmetric Construction of Acyclic Quaternary Carbon Stereogenic Centers" keynote speaker at BIT's 6th Annual Global Congress of Catalysis, Xi'an, China, September 24-26, 2015.

198. P. A. Evans, "New Allylic Alkylation Reactions: Asymmetric Construction of Acyclic Quaternary Carbon Stereogenic Centers" invited lecture at NSFC-RSC International Symposium on Emerging Frontiers in Organic Synthesis, Shanghai, China, October 8-10, 2015.

199. P. A. Evans, "New Vistas in the Asymmetric Construction of C-C Bonds" invited lecture at the *Changjiang Symposium,* Institute for Advanced Studies of Wuhan University (IAS), Wuhan, China, October 19, 2015.

200. P. A. Evans, "New Vistas in Higher-Order Carbocyclization Reactions: Total Synthesis of Complex Bioactive Agents" invited lecture at the 99th Canadian Chemistry Conference and Exhibition, Halifax, NS, June 5-9, 2016.

201. P. A. Evans, "Development of New Higher-Order Carbocyclization Reactions: Emulating Terpene Biosynthesis" invited lecture at the Nagoya, Kyoto, Nagoya, Münster, Berlin and Queen's Core-to-Core Joint Symposium, Kingston, ON, June 29, 2016.

202. D. Chen and P. A. Evans, "Progress Towards the Total Synthesis of Guaianolide Natural Products" invited lecture at the 252nd American Chemical Society National Meeting, Philadelphia, PA, August 21-25, 2016.

203. B. W. H. Turnbull and P. A. Evans, "Stereospecific Rhodium-Catalyzed Allylic Substitution with Alkenyl Cyanohydrin Pronucleophiles: Construction of Acyclic Quaternary Substituted α,β-Unsaturated Ketones" invited lecture at the 252nd American Chemical Society National Meeting, Philadelphia, PA, August 21-25, 2016

204. T. W. Wright and P. A. Evans, "Enantioselective Rhodium-Catalyzed Allylic Substitution with an Unstabilized Aldehyde Enolate: Construction of Quaternary Stereogenic Centers" invited lecture at the 252nd American Chemical Society National Meeting, Philadelphia, PA, August 21-25, 2016.

205. P. A. Evans, "New Vistas in the Asymmetric Construction of C-C Bonds: Total Synthesis of Complex Bioactive Agents" invited lecture presented at the pre-ICOS Meeting, IISER Bhopal, Bhopal, India, December 9-10, 2016.

206. P. A. Evans, "Asymmetric Construction of Acyclic Quaternary Carbon Stereogenic Centers" invited lecture presented at the 21st International Conference on Organic Synthesis, Mumbai, India, December 11-16, 2016.

207. D. Chen and P. A. Evans, "14-Step Total Synthesis of Thapsigargin from (*R*)-(–)-Carvone" invited lecture at the 253rd American Chemical Society National Meeting, San Francisco, CA, April 2-6, 2017.

208. P. A. Evans, "New Allylic and Homoallylic Cross-coupling Reactions for the Asymmetric Construction of Acyclic Ternary and Quaternary Carbon Stereocenters" invited lecture at the 100th Canadian Chemistry Conference and Exhibition, Toronto, ON, May 28-June 1, 2017.

209. Y. Su and P. A. Evans, "Chemo- and Stereoselective Rhodium-Catalyzed Ene-Cycloisomerization of Thioether-Substituted Alkenylidenecyclopropanes: Metal-Mediated □-Sulfide Migration" poster presented at the 100th Canadian Chemistry Conference and Exhibition, Toronto, ON, May 28-June 1, 2017.

210 D. Chen and P. A. Evans "Total Synthesis of Thapsigargin" poster presented at the 100th Canadian Chemistry Conference and Exhibition, Toronto, ON, May 28-June 1, 2017

211. T. B. Wright and P. A. Evans, "Enantioselective Rhodium-Catalyzed Allylic Alkylation of Aldehyde Enolates" invited lecture at the 100th Canadian Chemistry Conference and Exhibition, Toronto, ON, May 28-June 1, 2017.

212. P. A. Evans, "New Vistas in the Asymmetric Construction of C-C Bonds: Total Synthesis of Complex Bioactive Agents" *Cope Scholar Award* Address at the 254th American Chemical Society National Meeting, Washington, DC, August 20-24, 2017.

213. Y. Su and P. A. Evans, "Chemo- and Stereoselective Rhodium-Catalyzed Ene-Cycloisomerization of Thioether-Substituted Alkenylidenecyclopropanes: Metal-Mediated □-Sulfide Migration" invited lecture at the 254th American Chemical Society National Meeting, Washington, DC, August 20-24, 2017.

214. A. J. Burnie and P. A. Evans, "Rhodium-Catalyzed [(3+2)+1] Carbocyclization Reactions of Alkynylidenecyclopropanes with Carbon Monoxide: Construction of Dienones" invited lecture at the 254th American Chemical Society National Meeting, Washington, DC, August 20-24, 2017.

215. R. L. Grange, J. S. Allingham, A. W. Craig, P. A, Evans, S. Nersesian, D. Trofimova, R. Williams and J. Zhou, "Truncated Analogs of Actin-Targeting Natural Products: Synthesis and *In Vitro* Activity" invited lecture at the 254th American Chemical Society National Meeting, Washington, DC, August 20-24, 2017.

216. T. B. Wright, B. Turnbull and P. A. Evans, "Stereoselective Allylic Alkylation of □□□-Unsaturated □-Amino Nitriles: Synthetic Homoenolate Equivalents" invited lecture at the 255th American Chemical Society National Meeting, New Orleans, LA, March 18-22, 2018.

217. J. Majhi, B. W. H. Turnbull, H. Ryu, J. Park, M.-H. Baik and P. A, Evans, "Dynamic Kinetic Resolution of Tetrasubstituted Olefins" invited lecture at the 255th American Chemical Society National Meeting, New Orleans, LA, March 18-22, 2018.

218. T. B. Wright, B. W. H. Turnbull and P. A. Evans, "Stereoselective Allylic Alkylation of β,γ-Unsaturated α-Amino Nitriles: Synthetic Homoenolate Equivalents" invited lecture at the 101st Canadian Chemistry Conference and Exhibition, Edmonton, AB, May 27-31, 2018.

219. J. Majhi, H. Ryu, B. W. H. Turnbull, J. Park, M.-H. Baik and P. A, Evans, "Dynamic Kinetic Resolution of Tetrasubstituted Olefins" invited lecture at the at the 101st Canadian Chemistry Conference and Exhibition, Edmonton, AB, May 27-31, 2018.

220. J. Park, H. Ryu, P. A. Evans and M.-H. Baik, "Computational Studies of Kinetic and Dynamic Resolution of Polysubstituted Olefins Activated by Amine Bases Bearing Alkali Metals" poster

presented at the 257th American Chemical Society National Meeting, Orlando, FL, March 31-April 4, 2019.

221. M. Aeluri, R. Grange, D. Trofimova, S. Nersesian, K. Shah, B. Pipaliya, J. Allingham, A. Craig and P. A. Evans, "Synthesis and Biological Evaluation of Truncated Analogs of Mycalolide B" invited lecture at the 102nd Canadian Chemistry Conference and Exhibition, Québec City, QC, June 3-7, 2019.

222. P. A. Evans, "Stereoselective Construction of Challenging C-C Bonds: Total Synthesis of Complex Bioactive Agents" plenary lecture presented at the 46th National Organic Symposium, Bloomington, IN, June 23-27, 2019.

223. M.-J. Tom, P. Miller, R. L. Grange, D. Esau, G. Jerkiewicz and P. A, Evans, "Chemoselective Nickel-Catalyzed Hydrogenation: Synthesis of Highly Substituted Aromatic Amines" invited lecture at the 258th American Chemical Society National Meeting, San Diego, CA, August 25-29, 2019.

224. P. A, Evans, "Stereoselective Construction of Challenging C-C Bonds: Total Synthesis of Complex Bioactive Agents" plenary lecture at the 11th Walden Symposium Meeting, Riga, Latvia, September 19-20, 2019.

225. P. A, Evans, "Stereoselective Construction of Challenging C-C Bonds: Total Synthesis of Complex Bioactive Agents" plenary lecture at a Symposium at University of Science and Technology of China, Hefei, China, November 1, 2019.

226. P. A, Evans, "Dynamic Kinetic Resolution of Allylic Anions – A New Paradigm for C-C Bond Formation" lecture presentation in the ACS-Division of Organic Division – Virtual Symposium, June 17, 2020.

227. P. A. Evans, "Stereoselective Construction of Challenging C-C Bonds: Total Synthesis of Complex Bioactive Agents" *Award Address* at the Silicon Valley Local Section Virtual Meeting, Palo Alto, CA, January 21, 2021

228. P. A, Evans, "Enantioselective Total Synthesis and Biological Evaluation of the Thapsigargin Family of Sesquiterpene Lactones" lecture presentation in the 104th Canadian Chemistry Conference and Exhibition – Virtual Symposium, August 13-20, 2021.

229. P. A, Evans, "Stereoselective Construction of Challenging C-C Bonds – Ambident Nucleophiles" lecture presentation in the 1st Winter In-Person Organic Symposium, Honolulu, HI, December 16-18, 2021.

230. D. Pal and P. A. Evans, "Regio- and Diastereoselective Rhodium-Catalyzed Allylic Substitution with Unstabilized Benzyl Nucleophiles" poster presented at the 2022 Canadian Chemistry Conference and Exhibition, Calgary, AB, June 13-June 17, 2022.

231. R. M. P Ylagan, E. J. Lee, B. Park, H. Ryu, M.-H. Baik and P. A. Evans, "Rhodium-Catalyzed Enantioselective Pauson-Khand Reaction of 1,6-Chloroenynes with 1,1-Disubstituted Olefins" invited lecture at 2022 Canadian Chemistry Conference and Exhibition, Calgary, AB, June 13-17, 2022.

232. M.-J. Tom and P. A. Evans, "Regioselective and Stereospecific Allylic Cyanomethylation: Construction of Acyclic β-Quaternary Stereogenic Nitriles" invited lecture at 2022 Canadian Chemistry Conference and Exhibition, Calgary, AB, June 13-17, 2022.

233. R. M. P Ylagan, E. J. Lee, B. Park, H. Ryu, M.-H. Baik and P. A. Evans, "Rhodium-Catalyzed Enantioselective Pauson-Khand Reaction of 1,6-Chloroenynes with 1,1-Disubstituted Olefins" poster presented at the 47th National Organic Symposium, La Jolla, CA, June 26-30, 2022.

234. M.-J. Tom and P. A. Evans, "Regioselective and Stereospecific Allylic Cyanomethylation: Construction of Acyclic β-Quaternary Stereogenic Nitriles" poster presented at the 47th National Organic Symposium, La Jolla, CA, June 26-30, 2022.

235. D. Pal and P. A. Evans, "Regio- and Diastereoselective Rhodium-Catalyzed Allylic Substitution with Unstabilized Benzyl Nucleophiles" virtual lecture presented at the American Chemical Society National Meeting, Chicago, IL & Hybrid, August 21-25, 2022.

236. R. M. P Ylagan, H. Ryu, M.-H. Baik and P. A. Evans, "Rhodium-Catalyzed Enantioselective Pauson-Khand Reaction of 1,6-Chloroenynes with 1,1-Disubstituted Olefins" invited lecture presented at the American Chemical Society National Meeting, Chicago, IL & Hybrid, August 21-25, 2022

237. M.-J. Tom and P. A. Evans, "Regioselective and Stereospecific Allylic Cyanomethylation: Construction of Acyclic b-Quaternary Stereogenic Nitriles" invited lecture presented at the American Chemical Society National Meeting, Chicago, IL & Hybrid, August 21-25, 2022.

238. P. A. Evans, "Stereoselective Construction of Challenging C-C Bonds *via* Allylic Anions: Tetrasubstituted Alkenes and β-Stereogenic Centers" invited lecture at the 28th Congress of the International Society of Heterocyclic Chemistry Symposium, Santa Barbara, CA, August 28-September 2, 2022.

239. Y. Zhu and P. A. Evans, "Intramolecular Rhodium-Catalyzed [(3+2+2) Carbocyclization Reaction: A Concise and Stereoselective Total Synthesis of the Sesquiterpene (+)-Zizaene"

invited lecture at 2023 Canadian Chemistry Conference and Exhibition, Vancouver, BC, June 4-8, 2023.

240. P. A. Evans, "Stereoselective Construction of Challenging C-C Bonds using Ambident Nucleophiles" invited lecture at 2023 Canadian Chemistry Conference and Exhibition, Vancouver, BC, June 4-8, 2023.

241. P. A. Evans, "There and Back Again: A Tale of Discovery with Metal-Allyl Chemistry" *Award Lecture* at 2023 Canadian Chemistry Conference and Exhibition, Vancouver, BC, June 4-8, 2023.

242. P. A. Evans, "Emulating Terpene Biosynthesis in the Synthesis of Complex Polycyclic Natural Products" *Plenary Lecture* at the 2023 International Conference on Photochemistry and Industry, Wuhan, China, October 11-13, 2023.

242. P. A. Evans, "Emulating Terpene Biosynthesis in the Synthesis of Complex Polycyclic Natural Products" *Plenary Lecture* at the 2024 Florida Heterocyclic and Synthetic Chemistry Conference (FloHet), Gainesville, FL, March 10-13, 2024.

243. A. K. Ghai and P. A. Evans, "Enantioselective Iridium-Catalyzed Allylic Amination with Aza-Ylides" *Invited Lecture* at the 2024 Canadian Chemistry Conference and Exhibition, Winnipeg, MB, June 2-6, 2024.

244. J. Ma and P. A. Evans, "Diastereomeric and Dynamic Thermodynamic Resolution of Alkenyl Cyanohydrins: Stereoselective Access to Z-Tetrasubstituted Alkenes" *Invited Lecture* at the 2024 Canadian Chemistry Conference and Exhibition, Winnipeg, MB, June 2-6, 2024.

245. P. A. Evans, "Emulating Terpene Biosynthesis in the Synthesis of Complex Polycyclic Natural Products" *Plenary Speaker* at the 2024 International Forum of Reactions and Processes for Pharmaceutical Development, Sichuan University, Chengdu, CN, October 11-13, 2024.

246. P. A. Evans, "Enantioselective Construction of Challenging Ternary and Quaternary Stereocenters using Ambident Nucleophiles" *Invited Lecture* in the Celebrating Eight Decades of Organic Reactions Symposium at the American Chemical Society National Meeting, Washington, DC, August 20, 2025.

247. P. A. Evans, "Emulating Terpene Biosynthesis in the Synthesis of Complex Polycyclic Natural Products" *Plenary Lecture* at the 2023 International Conference on Photochemistry and Industry, Wuhan, China, October 11-13, 2025.

Presentations at Universities and Industrial Companies:

1. DuPont Experimental Station, Wilmington, DE, January 23, 1995.
2. Rhone-Poulenc Rorer, Collegeville, PA, February 16, 1995.
3. Zeneca Pharmaceuticals, Wilmington, DE, February 21, 1995.
4. The American University, Washington DC, March 21, 1995.
5. Zeneca Pharmaceuticals, Alderley Edge, UK, May 9, 1995.
6. Fisons Pharmaceuticals, Loughborough, UK, May, 10, 1995.
7. Roche Pharmaceuticals, Welwyn Garden City, UK, May 11, 1995.
8. Cambridge University, Cambridge, UK, May 12, 1995.
9. DuPont Experimental Station, Wilmington, DE, May 19, 1995.
10. Lycoming College, Williamsport, PA, October 20, 1995.
11. Purdue University, West Lafayette, IN, October 31, 1995.
12. Lebanon Valley College of Pennsylvania, Annville, PA, October 15, 1996.
13. Indiana University of Pennsylvania, Indiana, PA, October 16, 1996.
14. Ursinus College, Collegeville, PA, November 21, 1996.
15. College of William and Mary, Williamsburg, VA, January 23, 1997.
16. Wesleyan College, Rocky Mount, NC, January 24, 1997.
17. Wake Forest University, Winston-Salem, NC, January 27, 1997.
18. Fordham University, New York, NY, January 29, 1997.
19. Lafayatte College, Easton, PA, February 12, 1997.
20. Lehigh University, Bethlehem, PA, February 26, 1997.
21. Eastman Kodak Company, Rochester, NY, April 30, 1997.
22. GlaxoWelcome, Research Triangle, NC, May 22, 1997.
23. North Carolina State University, Raleigh, NC, May 23, 1997.
24. Pfizer Pharmaceuticals, Sandwich, UK, July 22, 1997.
25. SmithKline Beecham Pharmaceuticals, Tonbridge, UK, July 30, 1997.
26. Merck Sharp and Dome Pharmaceuticals, Harlow, UK, July 31, 1997.
27. Temple University, Philadelphia, PA, September 18, 1997.
28. Merck Process Research Laboratories, Rahway, NJ, October 16, 1997.

29. University of Delaware, Newark, DE, October 22, 1997.
30. Rice University, Houston, TX, November 19, 1997.
31. Texas A&M, College Station, TX, November 20, 1997.
32. Washington College, Chestertown, MD, December 4, 1997.
33. Columbia University, New York, NY, December 11, 1997.
34. SmithKline Beecham Pharmaceuticals, King of Prussia, PA, January 13, 1998.
35. University of North Carolina at Chapel Hill, Chapel Hill, NC, January 22, 1998.
36. Wilkes University, Wilkes-Barre, PA, February 4, 1998.
37. Emory University, Atlanta, GA, February 11, 1998.
38. Novartis Pharmaceuticals, Summit, NJ, March 2, 1998.
39. Indiana University of Pennsylvania, Indiana, PA, May 4, 1998.
40. Slippery Rock University, Slippery Rock, PA, May 4, 1998.
41. Lilly Research Laboratories, Indianapolis, IN, July 14, 1998.
42. Pfizer Pharmaceuticals, Groton, CT, July 30, 1998.
43. University of Texas at Austin, Austin, TX, September 4, 1998.
44. Towson University, Towson, MD, October 8, 1998.
45. Rider University, Lawrenceville, NJ, October 22, 1998.
46. Muhlenberg College, Allentown, PA, November 4, 1998.
47. Johns Hopkins University, Baltimore, MD, November 10, 1998.
48. Johnson and Johnson Pharmaceuticals, Springhouse, PA, November 18, 1998.
49. Gettysburg College, Gettysburg, PA, November 19, 1998.
50. Bristol-Myers Squibb, Wallingford, CT, January 14, 1999.
51. Virginia Commonwealth University, Richmond, VA, February 4, 1999.
52. Lycoming College, Williamsport, PA, February 12, 1999.
53. Rhone-Poulenc Rorer, Collegeville, PA, February 26, 1999.
54 University of West Virginia, Morgantown, WV, March 12, 1999.
55. Edinboro University, Edinboro, PA, March 26, 1999.
56. University of California at Riverside, Riverside, CA, April 12, 1999.

57. Allergan, Irvine, CA, April 13, 1999.
58. University of California at Irvine, Irvine, CA, April 14, 1999.
59. University of California at Santa Barbara, Santa Barbara, CA, April 15, 1999.
60. College of William and Mary, Williamsburg, VA, April 23, 1999.
61. Boston College, Boston, MA, April 27, 1999.
62. Parke-Davis Pharmaceuticals, Holland, MI, May 24, 1999.
63. University of Chicago, Chicago, IL, May 25, 1999.
64. Abbot Laboratories, Abbot Park, IL, May 26, 1999.
65. University of Illinois at Chicago, Chicago, IL, May 27, 1999.
66. DuPont Experimental Station, Wilmington, DE, September 13, 1999.
67. Eastman Kodak Company, Rochester, NY, October 7, 1999.
68. University of Rochester, Rochester, NY, October 8, 1999.
69. University of Vermont, Burlington, VT, October 28, 1999.
70. Bristol-Myers Squibb, Syracuse, NY, November 5, 1999.
71. Indiana University of Pennsylvania, Indiana, PA, November 11, 1999.
72. Carnegie Mellon University, Pittsburgh, PA, December 1, 1999.
73. Penn State Erie, The Behrend College, Erie, PA, December 2, 1999.
74. Allegheny College, Meadville, PA, December 3, 1999.
75. University of Missouri-St. Louis, St. Louis, MS, January 10, 2000.
76. Johnson Matthey Pharmaceuticals, NJ, January 19, 2000.
77. University of California at Los Angeles, Los Angeles, CA, January 31, 2000.
78. Amgen, Thousand Oaks, CA, February 1, 2000.
79. Scripps Research Institute, La Jolla, CA, February 2, 2000.
80. Griffith University, Brisbane, QLD, February 14, 2000.
81. University of Queensland, Brisbane, QLD, February 15, 2000.
82. University of Sydney, Sydney, NSW, February 16, 2000.
83. University of New South Wales, Sydney, NSW, February 17, 2000.
84. University of Wollongong, Wollongong, NSW, February 18, 2000.

85. University of Melbourne, Melbourne, VC, February 21, 2000.
86. Monash University, Melbourne, VC, February 22, 2000.
87. University of Tasmania, Hobart, TAS, February 23, 2000.
88. Flinders University, Adelaide, SA, February 24, 2000.
89. University of Adelaide, Adelaide, SA, February 25, 2000.
90. University of Western Australia, Perth, WA, February 29, 2000.
91. Fordham University, New York, NY, March 8, 2000.
92. Parke-Davis Pharmaceuticals, Holland, MI, March 14, 2000.
93. Cambridge University, Cambridge, UK, May 22, 2000.
94. Indiana University, Bloomington, IN, April 3, 2000.
95. Guilford Pharmaceuticals, Baltimore, MD, June 7, 2000.
96. Indiana University, Bloomington, IN, July 10, 2000.
97. University of Maryland, College Park, MD, September 14, 2000.
98. Michigan State University, East Lansing, MI, September 21, 2000
99. Pfizer Pharmaceuticals, Ann Arbor, MI, September 22, 2000.
100. University of Toledo, Toledo, OH, September 25, 2000.
101. University of Michigan, Ann Arbor, MI, September 26, 2000.
102. Wayne State University, Detroit, MI, September 27, 2000.
103. Bristol-Myers Squibb, New Brunswick, NJ, October 25, 2000.
104. Northwestern University, Evanston, IL, November 2, 2000.
105. Slippery Rock University, Slippery Rock, PA, November 12, 2000.
106. Université Bordeaux 1, Bordeaux, Fr., December 6, 2000.
107. ESCPE-Lyon, Lyon, Fr., December 7, 2000.
109. Merck Research Laboratories, West Point, PA, March 1, 2001.
109. Sepracor, Boston, MA, July 6, 2001.
110. Florida State University, Tallahassee, FL, October 2, 2001.
111. Youngstown State University, Youngstown, OH, October 4, 2001.
112. Allegheny College, Meadville, PA, October 5, 2001.

113. Purdue University, West Lafayette, IN, October 23, 2001.
114. The College of Wooster, Wooster, OH, November 8, 2001.
115. University of Kentucky, Lexington, KY, November 9, 2001.
116. University of Pennsylvania, Philadelphia, PA, December 10, 2001.
117. Temple University, Philadelphia, PA, December 11, 2001.
118. University of Connecticut, Storrs, CT, February 20, 2002.
119. Pfizer Pharmaceuticals, Groton, CT, February 21, 2002.
120. Bayer Pharmaceutical Division, West Haven, CT, February 22, 2002.
121. Peking University, Beijing, China, March 8, 2002.
122. Xiamen University, Xiamen, China, March 12, 2002.
123. Hong Kong University, Hong Kong, March 14, 2002.
124. Vanderbilt University, Nashville, TN, April 8, 2002.
125. Union University, Jackson, TN, April 18, 2002.
126. Pharmacia, Kalamazoo, MI, April 25, 2002.
127. IUPUI, Indianapolis, IN, April 26, 2002.
128. Wright State University, Dayton, OH, May 17, 2002.
129. Pharmacia, Stokie, IL, June 17, 2002.
130. Pharmacia, St Louis, MS, September 25, 2002.
131. Schering-Plough Research Institute, Kenilworth, New Jersey January 16, 2003.
132. Bristol-Myers Squibb Company, Princeton, NJ, March 7, 2003.
133. University of California at Davis, Davis, CA, April 3, 2003.
134. Exelixis, So. San Francisco, CA, April 4, 2003.
135. Oregon State University, Corvallis, OR, April 7, 2003.
136. Array BioPharma, Boulder, CO, April 11, 2003.
137. University of Montreal, Montreal, QC, April 23, 2003.
138. Abbot Laboratories, Abbot Park, IL, May 13, 2003.
139. ArQule, Inc., Woburn, MA, July 18, 2003.
140. Wyeth Research, Pearl River, NY, September 5, 2003.

141. Sonoma State University, Rohnert Park, CA, November 6, 2003.
142. Roche Palo Alto, Palo Alto, CA, November 7, 2003.
143. Oklahoma University, Norman, OK, February 23, 2004.
144. Oklahoma Baptist University, Shawnee, OK, February 24, 2004.
145. Cameron University, Lawton, OK, February 25, 2004.
146. Appalachian State University, Boone, NC, February 27, 2004.
147. University of Toledo, Toledo, OH, March 3, 2004.
148. Princeton University, Princeton, NJ, March 9, 2004.
149. Merck Research Laboratories, Rahway, NJ, March 10, 2004.
150. Stanford University, Stanford, CA, March 17, 2004.
151. Cytokinetics Inc., South San Francisco, CA, March 18, 2004.
152. Bristol-Myers Squibb Company, New Brunswick, NJ, March 23, 2004.
153. Novartis Pharmaceuticals Corporation, East Hanover, NJ, March 24, 2004.
154. Pfizer GRD, La Jolla, CA, April 6, 2004.
155. University of California San Diego, La Jolla, CA, April 7, 2004.
156. University of Florida Gainsville, FL, April 30, 2004.
157. Incyte Corporation, Wilmington, DE, September 16, 2004.
158. Shippensburg University, Shippensburg, PA, October 8, 2004.
159. Yale University, New Haven, CT, October 13, 2004.
160. Swarthmore College, Swarthmore, PA, October 21, 2004.
161. SUNY at Buffalo, Buffalo, NY, October 27, 2004.
162. University of Florida Gainsville, FL, November 5, 2004.
163. University of Michigan, Ann Arbor, MI, November 8, 2004.
164. Pfizer Pharmaceuticals, Ann Arbor, MI, November 9, 2004.
165. Johnson and Johnson Pharmaceuticals, La Jolla, CA, January 28, 2005.
166. San Diego State University, San Diego, CA, January 28, 2005.
167. The University of Maryland, Baltimore County, Baltimore, MD, February 7, 2005.
168. University of Manchester, Manchester, UK, February 28, 2005.

169. University of Nottingham, Nottingham, UK, March 1, 2005.
170. AstraZeneca R&D Charnwood, Loughborough, UK, March 2, 2005.
171. Oxford University, Oxford, UK, March 3, 2005.
172. Eli Lilly Pharmaceuticals, Windlesham, UK, March 4, 2005.
173. Pfizer GRD, St Louis, MS, April 4, 2005.
174. Albion College, Albion, MI, April 8, 2005.
175. McGill University, Montreal, QC, May 5, 2005.
176. University of Liverpool, Liverpool, UK, June 20, 2005.
177. Amgen, Boston, MA, July 22, 2005.
178. University of Notre Dame, Notre Dame, IN, September 8, 2005.
179. Colorado State University, Fort Collins, CO, September 26, 2005.
180. University of Colorado at Boulder, Boulder, CO, September 27, 2005.
181. University of Alberta, Edmonton, AB, October 7, 2005.
182. North Carolina State University, Raleigh, NC, October 21, 2005.
183. Berea College, Berea, KY, October 27, 2005.
184. Eastern Kentucky University, Richmond, KY, October 28, 2005.
185. Hong Kong University, Hong Kong, December 12, 2005.
186. Hong Kong Baptist University, Hong Kong, December 13, 2005.
187. GlaxoSmithKline, King of Prussia, PA, May 16, 2005.
188. Scios, Inc. Fremont, CA, May 19, 2006.
189. Sepracor, Inc., Marlborough, MA, May 22, 2006.
190. AstraZeneca, Alderley Park, Cheshire, UK, November 20, 2006.
191. University of Warwick, Coventry, West Midlands, UK, December 7, 2006.
192. Syngenta, Jealotts Hill, Berkshire, UK, December 12, 2006.
193. GlaxoSmithKline, Stevenage, Hertfordshire, UK, December 14, 2006.
194. Duke University, Durham, NC, March 28, 2007.
195. Syngenta, Basel, CH, April 19, 2007.
196. Wyeth Research, Princeton, NJ, USA, May 30, 2007.

197. Novartis, Emeryville, CA, August 15, 2007.
198. Novartis, Boston, MA, August 17, 2007.
199. Rutgers, The State University of New Jersey, Piscataway, NJ, October 5, 2007.
200. The University of Reading, Reading, Berkshire, UK, October 23, 2007.
201. Novartis, Horsham, West Sussex, UK, October 24, 2007.
202. Imperial College, South Kensington, London, UK, October 30, 2007.
203. Novartis, Vienna, AU, November 5, 2007.
204. Novartis, Basel, CH, November 7, 2007.
205. Cardiff University, Cardiff, UK, November 19, 2007.
206. University of Leeds, Leeds, Yorkshire, UK, November 21, 2007.
207. Novartis, Tsukuba, JP, December 13, 2007.
208. GlaxoSmithKline, Tonbridge, Kent, UK, January 16, 2008.
209. University of Sheffield, Sheffield, Yorkshire, UK, February 27, 2008.
210. University of Cambridge, Cambridge, Cambridgeshire, UK, March 3, 2008.
211. Louisiana State University, Baton Rouge, LA, April 4, 2008.
212. Array BioPharma, Boulder, CO, April 9, 2008.
213. University of Colorado at Boulder, Boulder, CO, April 10, 2008.
214. University of Sussex, Falmer, Sussex, UK, April 30, 2008.
215. University of Geneva, Geneva, CH, May 23, 2008.
216. Institute for Cancer Research, Sutton, Surrey, UK, May 28, 2008.
217. AstraZeneca, Macclesfield, Cheshire, UK, June 2, 2008.
218. University College London, London, UK, November 12, 2008.
219. University College Dublin, Dublin, IE, November 20, 2008.
220. University of California, Berkeley, CA, February 4, 2009.
221. University of California, Davis, CA, February 5, 2009.
222. Genentech, South San Francisco, CA, February 6, 2009.
223. University of California, Santa Barbara, CA, February 9, 2009.
224. Amgen, Thousand Oaks, CA, February 10, 2009.

225. University of California, San Diego, La Jolla, CA, February 13, 2009.
226. University of Pennsylvania, Philadelphia, PA, February 16, 2009.
227. UT Southwestern Medical Center, Dallas, TX, February 17, 2009.
228. GlaxoSmithKline, Research Triangle, NC, February 19, 2009.
229. Eli Lilly, Windlesham, Surrey, UK, March 31, 2009.
230. Wayne State University, Detroit, MI, August 11, 2009.
231. Michigan State University, East Lansing, MI, August 12, 2009.
232. University of Michigan, Ann Arbor, MI, August 13, 2009.
233. University of Texas at Austin, Austin, TX, November 20, 2009.
224. University of Sussex, Falmer, Sussex, UK, January 27, 2010.
235. Institute of Chemical Research of Catalonia (ICIQ), Tarragona, ES, February 19, 2010.
236. Chinese Academy of Sciences (ICCAS), Beijing, China, June 22, 2010.
237. Shanghai Institute of Organic Chemistry (SIOC), Shanghai, China, June 28, 2010.
238. East China Normal University, Shanghai, China, June 29, 2010.
239. Fudan University, Shanghai, China, June 29, 2010.
240. Nankai University, Tianjin, China, June 30, 2010.
241. Xiamen University, Xiamen, China, July 1, 2010.
242. Peking University, Beijing, China, July 2, 2010.
243. Boehringer Ingleheim, Ridgefield, CT, July 23, 2010.
244. University of Wisconsin – Madison, Madison, WI, November 15, 2010.
245. University of Wisconsin – Milwaukee, Chicago, IL, November 16, 2010.
246. Sigma-Aldrich, Milwaukee, WI, November 17, 2010.
247. University of Illinois at Chicago, Chicago, IL, November 18, 2010.
248. Lanzhou University, Lanzhou, China, January 14, 2011.
249. Chengdu Institute of Biology (CAS), Chengdu, China, January 17, 2011.
250. Queen's University, Kingston, ON, February 28, 2011.
251. University of Queensland, Brisbane, QLD, June 6, AU, 2011.
252. Eskitis Institute, Griffith University, Brisbane, QLD, AU, June 7, 2011.

253. University of New South Wales, Sydney, NSW, AU, June 9, 2011.
254. University of Sydney, Sydney, NSW, AU, June 10, 2011.
255. University of Wollongong, Wollongong, NSW, AU, June 14, 2011.
256. Australia National University, Canberra, ACT, AU, June 16, 2011.
257 Bio21 Institute, University of Melbourne, Melbourne, VC, AU, June 17, 2011.
258. CSIRO, Melbourne, VC, AU, June 20, 2011.
259. Flinders University, Adelaide, SA, AU, June 22, 2011.
260. University of Western Australia, Perth, WA, AU, June 24, 2011.
261. University of New Orleans, New Orleans, LA, September 2, 2011.
262. The University of Hull, Hull, UK, October 12, 2011.
263. University of East Anglia, Norwich, UK, October 19, 2011.
264. University of Saskatchewan, Saskatoon, SK, October 19, 2012.
265. University of Toronto, Toronto, ON, December 14, 2012.
266. University of Maryland, College Park, MD, February 5, 2013.
267. Old Dominion University, Norfolk, VA, February 7, 2013.
268. The College of William and Mary, Williamsburg, VA, February 8, 2013.
269. Peking University, Beijing, China, June 6, 2014.
270. Chengdu Institute of Biology, CAS, Chengdu, China, June 9, 2014.
271. Yunnan University, Kunming, China, June 11, 2014.
272. Shanghai Institute of Organic Chemistry (SIOC), Shanghai, China, June 12, 2014.
273. East China Normal University, Shanghai, China, June 13, 2014.
274. Fudan University, Shanghai, China, June 17, 2014.
275. University of Houston, Houston, TX, October 14, 2014.
276. Baylor University, Waco, TX, October 15, 2014.
277. University of Texas at San Antonio, San Antonio, TX, October 17, 2014.
278. Yunnan University, Kunming, China, September 18, 2015.
279. Kunming Institute of Botany, Kunming, China, September 18, 2015.
280. Northwest University, Xi'an, China, September 25, 2015.

281. East China Normal University, Shanghai, China, October 7, 2015.
282. East China University of Science and Technology, Shanghai, China, October 7, 2015.
283. Peking University, Beijing, China, October 15, 2015.
284. Nankai University, Tianjin, China, October 16, 2015.
285. Sichuan University (Chemistry), Chengdu, China, October 22, 2015.
286. Sichuan University (Pharmacy), Chengdu, China, October 23, 2015.
287. Soochow University, Suzhuo, China, October 26, 2015.
288. Central China Normal University, Wuhan, China, October 28, 2015.
289. University of Western Ontario, London, ON, November 19, 2015.
290. Brock University, St. Catherines, ON, November 20, 2015.
291. University of Alberta, Edmonton, AB, January 6, 2016.
292. Alleghany College, Meadville, PA, January 29, 2016.
293. University College London, London, UK, May 20, 2016.
294. Chinese Academy of Sciences (ICCAS), Beijing, China, November 21, 2016.
295. Tianjin University, Tianjin, China, November 22, 2016.
296. Lanzhou University, Lanzhou, China, November 24, 2016.
297. Shanghai Jiao Tong University, Shanghai, China, November 29, 2016.
298. Nanjing University, Nanjing, China, November 30, 2016.
299. Xiamen University, Xiamen, China, December 2, 2016.
300. IIT Delhi, Delhi, India, December 5, 2016.
301. IIT Kanpur, Kanpur, India, December 8, 2016.
302. Gettysburg College, Gettysburg, PA, February 20, 2017.
303. Lebanon Valley College, Annville, PA, February 21, 2017.
304. Franklin & Marshall College, Lancaster, PA, February 22, 2017.
305. Ursinus College, Collegeville, PA, February 24, 2017.
306. North Carolina State University, Raleigh, NC, March 24, 2017.
307. Imperial College, South Kensington, London, UK, June 7, 2017.
308. UT Southwestern Medical Center, Dallas, TX, September 7, 2017.

309. University of Ottawa - *Gilead Lecturer*, Ottawa, ON, October 4, 2017.
310. Tsinghua University, Beijing, China, November 3, 2017.
311. Huazhong University of Science of Technology, Wuhan, China, November 6, 2017.
312. Southern University of Science and Technology, Shenzhen, China, November 10, 2017.
313. Central South University, Changsha, China, November 13, 2017.
314. Yunnan University, Kunming, China, November 17, 2017.
315. Yunnan Minzu University, Kunming, China, November 17, 2017.
316. Wuhan University – *Changjiang Lecture*, Wuhan, China, November 20, 2017.
317. Northwest A&F University, Yangling, China, November 24, 2017.
318. Wuhan University of Technology, Wuhan, China, November 27, 2017.
319. Shanghai Institute for Organic Chemistry, Shanghai, China, December 1, 2017.
320. East China Normal University, Shanghai, China, December 1, 2017.
321. Rutgers, The State University of New Jersey, Piscataway, NJ, USA, February 22, 2018.
322. Hobart and William Smith Colleges, Geneva, NY, USA, February 23, 2018.
323. The University of Texas at Dallas, Richardson, TX, USA, March 23, 2018.
324. GlaxoSmithKline, Stevenage, Hertfordshire, UK, June 15, 2018.
325. University of Reading, Reading, Berkshire, UK, June 18, 2018.
326. University of New Mexico, Albuquerque, NM, September 8, 2018.
327. Gilead Sciences, Foster City, CA, USA, September 10, 2018.
328. Kunming Institute of Botany, Kunming, China, October 26, 2018.
329. Kunming University of Science and Technology, Kunming, China, October 26, 2018.
330. PharmaBlock Sciences, Inc. Nanjing, China, November 2, 2018.
331. Hunan Normal University, Changsha, China, November 5, 2018.
332. Hunan Agricultural University, Changsha, China, November 8, 2018.
333. Zhongnan Minzu University, Wuhan, China, November 9, 2018.
334. Huazhong University of Science and Technology, Wuhan, China, November 10, 2018.
335. Hunan University, Changsha, China, November 12, 2018.
336. WuXi AppTec, Shanghai, China, November 15, 2018.

337. Fudan University, Shanghai, China, November 16, 2018.
338. The University of British Columbia, Vancouver, BC, November 27, 2018.
339. Simon Fraser University, Burnaby, BC, November 28, 2018.
340. Youngstown State University, Youngstown, OH, February 19, 2019.
341. Hamilton College, Clinton, NY, February 21, 2019.
342. Purdue University, West Lafayette, IN, April 30, 2019.
343. Oregon State University, Corvallis, OR, May 2, 2019.
344. Portland State University, Portland, OR, May 3, 2019.
345. AstraZeneca, Macclesfield, Cheshire, UK, May 13, 2019.
346. Durham University, Durham, County Durham, UK, May 14, 2019.
347. Institute for Cancer Research, Sutton, Surrey, UK, May 16, 2019.
348. Wake Forest University, Winston-Salem, NC, July 15, 2019.
349. Biogen, Boston, MA, September 9, 2019.
350. Amgen, Boston, MA, September 10, 2019.
351. Merck & Co., Boston, MA, September 11, 2019.
352. Takeda Pharmaceuticals, Boston, MA, September 12, 2019.
353. Novartis Institutes for BioMedical Research, Boston, MA, September 13, 2019.
354. Macalester College, St. Paul, MN, September 25, 2019.
355. Dalhousie University, Halifax, NS, October 4, 2019.
356. Mount Allison University, Sackville, NB, October 7, 2019.
357. University of Prince Edward Island, Charlottetown, PEI, October 9, 2019.
358. University of New Brunswick, Fredericton, NB, October 11, 2019.
359. Shangdong University, Jinan, China, October 18, 2019.
360. Pharmaron, Beijing, China, October 24, 2019.
361. WuXi AppTec, Tianjin, China, October 25, 2019.
362. Central China Normal University, Wuhan, China, October 31, 2019.
363. Southern University of Science and Technology, Shenzhen, China, November 7, 2019.
364. Shenzhen University, Shenzhen, China, November 8, 2019.

365. Sun Yat-Sen University, Guangdong, China, November 11, 2019.
366. Shanghai Jiao Tong University, Shanghai, China, November 14, 2019.
367. Zhejiang University of Technology, Hangzhou, China, November 15, 2019.
368. University of Calgary, Calgary, AB, November 29, 2019.
369. Gilead Alberta, Edmonton, AB, December 2, 2019.
370. University of Toronto, Toronto, ON, December 4, 2019.
371. Ontario Institute for Cancer Research, Toronto, ON, December 5, 2019.
372. Queen's University, Kingston, ON, May 8, 2020 (*Virtual Seminar*).
373. Muhlenberg College, Allentown, PA, October 16, 2020 (*Virtual Seminar*).
374. University of Montreal, Montreal, QC, October 28, 2020 (*Virtual Seminar*).
375. Simon Fraser University, Burnaby, BC, January 27, 2022 (*Virtual Seminar*).
376 University of California, Santa Barbara, CA, March 18, 2022.
377. Carnegie Mellon University, Pittsburgh, PA, April 11, 2022.
378. University of Virginia, Charlottesville, VA, April 15, 2022.
379. Mirati Therapeutics Inc., La Jolla, CA, July 1, 2022.
380. Adesis, Inc., Wilmington, DE, December 6, 2022.
381. Beijing Institute of Technology – *Baijia Lecture*, Beijing, China, May 12, 2023.
382. Wuhan Institute of Technology, Wuhan, China, May 15, 2023.
383. Huaqiao University, Xiamen, China, May 18, 2023.
384. Xiamen University, Xiamen, China, May 19, 2023.
385. Fuzhou University, Fuzhou, China, May 20, 2023.
386. Fujian Institute of Research on Structure of Matter (CAS), Fuzhou, China, May 20, 2023.
387. Wuhan University, Wuhan, China, May 22, 2023.
388. Hiray Pharmaceuticals, Jingmen City, China, May 23, 2023.
389. Central South University (Pharmaceutical Sciences), Changsha, China, May 25, 2023.
390. Hunan Agriculture University, Changsha, China, May 26, 2023.
391. Central South University (Chemistry), Changsha, China, May 26, 2023.
392. Central China Normal University, Wuhan, China, May 30, 2023.

393. Peking University, Beijing, CN, October 8, 2023.
394. Chinese Academy of Sciences (ICCAS)–*MSF Lecture*, Beijing, China, October 9, 2023.
395. The Hong Kong University of Science and Technology, Hong Kong, China, January 15, 2024.
396. The Hong Kong University, Hong Kong, China, January 16, 2024.
397. The Hong Kong Polytechnic University, Hong Kong, China, January 18, 2024.
398. Hong Kong Baptist University, Hong Kong, China, January 18, 2024.
399. The Chinese University of Hong Kong, Hong Kong, China, January 19, 2024.
400. San Diego State University, San Diego, CA, January 22, 2024.
401. Gilead Sciences, Foster City, CA, January 24, 2024.
402. Novartis Institutes for BioMedical Research, Emeryville, CA, January 26, 2024.
403. Genentech, South San Francisco, CA, January 29, 2024.
404. Adesis, Inc., Wilmington, DE, February 2, 2024.
405. Vertex Pharmaceuticals, Boston, MA, February 8, 2024.
406. Beijing University of Chemical Technology, Beijing, CN, May 9, 2024.
407. Institute of Materia Medica–CAMS and PUMC, Beijing, CN, May 9, 2024.
408. Beijing Normal University, Beijing, CN, May 10, 2024.
409. PharmaBlock Sciences, Inc., Nanjing, CN, May 16, 2024.
410. Huazhong University of Science and Technology, Wuhan, CN, May 21, 2024.
411. Beijing Institute of Technology, Beijing, CN, May 24, 2024.
412. Huazhong Agricultural University, Wuhan, CN, May 28, 2024.
413. Zhejiang A&F University, Hangzhou, CN, June 3, 2024.
414. Nanjing University, Nanjing, CN, June 11, 2024.
415. University of Science and Technology of China – *DFC Lecture*, Hefei, CN, June 12, 2024.
416. Zhengzhou University, Zhengzhou, CN, June 17, 2024.
417. Henan University, Kaifeng, CN, June 18, 2024.
418. Henan Normal University, Xinxiang, CN, June 19, 2024.
419. AbbVie, South San Francisco, CA, August 15, 2024 (*Virtual Seminar*).
420. China Agricultural University, Beijing, CN, October 14, 2024.

421. Beijing University of Technology, Beijing, CN, October 16, 2024.
422. Asymchem Life Sciences Co., Tianjin, CN, October 17, 2024.
423. Tianjin Normal University, Tianjin, CN, October 18, 2024.
424. Nankai University – *New Organic Matter Frontier Lecture*, Tianjin, CN, October 18, 2024.
425. Queen's University – *Bader 100th Symposium Lecture*, Kingston, ON, November 18, 2024.
426. Adesis, Inc., Wilmington, DE, December 4, 2024.
427. Old Dominion University – *Organic Reactions Lecture*, Norfolk, VA, December 6, 2024.
428. Seoul National University, Seoul, KR, January 13, 2025.
429. Hanyang University, Seoul, KR, January 14, 2025.
430. Korea Advanced Institute of Science and Technology (KAIST), Daejeon, KR, January 15, 2025.
431. Pohang University of Science and Technology (POSTECH), Pohang, KR, January 16, 2025.
432. Pusan National University, Busan, KR, January 17, 2025.
433. GlaxoSmithKline, Stevenage, UK, February 7, 2025.
434. Vertex Pharmaceuticals, Didcot, UK, February 10, 2025.
435. University of Alberta – *William Ayer Lecture*, Edmonton, AB, March 3, 2025.
436. Gilead Alberta ULC, Edmonton, AB, March 4, 2025.
437. Seattle University, Seattle, WA, April 8, 2025.
438. University of Washington, Seattle, WA, April 9, 2025.
439. Vertex Pharmaceuticals, San Diego, CA, April 14, 2025.
440. Johnson & Johnson Innovative Medicines, San Diego, CA, March 16, 2025.
441. Bristol Myers Squibb, San Diego, CA, April 17, 2025
442. Pfizer–La Jolla, San Diego, CA, April 18, 2025.
443. Hunan Agricultural University, Changsha, CN, May 7, 2025.
444. North China Electric Power University, Beijing, CN, May 15, 2025.
445. Beijing University of Chemical Technology, Beijing, CN, May 17, 2025.
446. Hunan Normal University, Changsha, CN, May 22, 2025.
447. Central South University, Changsha, CN, May 23, 2025.
448. Shanghai Institute of Organic Chemistry, Shanghai, CN, May 29, 2025.

449. East China Normal University, Shanghai, CN, May 29, 2025.
450. Shanghai Jiao Tong University, Shanghai, CN, May 30, 2025.
451. Wuhan Institute of Technology, Wuhan, CN, June 4, 2025.
452. Shandong University – Chemistry, Jinan, CN, June 9, 2025.
453. Shandong University – Pharmacy, Jinan, CN, June 9, 2025.
454. Zhejiang Normal University, Jinhua, CN, June 13, 2025.
455. Emory University, Atlanta, GA, August 22, 2025.
456. Tianjin University of Technology, Tianjin, CN, October 16, 2025.
457. Tianjin University, Tianjin, CN, October 16, 2025.
458. Nanyang Technological University, Singapore, SG, Jan. 13, 2026.
459. National University of Singapore, Singapore, SG, Jan. 14, 2026.
460. Vertex Pharmaceuticals (Europe), Didcot, UK, February 16, 2026.
461. Penn State University, State College, PA, April 20, 2026.
460. PharmaBlock USA, West Chester, PA, April 21, 2026.
461. Protego Bio, San Diego, CA, April 24, 2026.
462. Vertex Pharmaceuticals, San Diego, CA, April 28, 2026.
463. California State University San Marcos, San Marcos, CA, April 29, 2026.
464. University of California, San Diego, La Jolla, CA, April 30, 2026.
465. Novartis Institutes for BioMedical Research, San Diego, CA, May 1, 2026.
466. Peking University, Beijing, CN, May 14, 2026.

Current Visiting Scholars (VS), Postdoctoral (PD), Graduate Research Associates (GRA), Masters (MSc) and Undergraduate Students (UG): Xu Deng (VS, 12/18), Jinjin Ma (1/21), Arshdeep K. Ghai (05/22), Qing Wang (9/22), Jaideep Mondal (9/23), Yufei Dong (9/23), Qin He (09/23), Zu-Qing Mao (09/24), Tri Nguyen Tran (9/24),), Ramandeep Kaur (01/26), Xin Li (2/26), and Haowen Yan (05/26).

Former Postdoctorals (PD), Research Associates (RA) and Visiting Scholars (VS): Alan L. Stanley (PD), Sushil Raina, (PD), V. Srinivasa Murthy (PD), Kristofer K. Moffett (PD), Surya K. De (PD), Khalid Ahsan (PD), Bénédicte Delouvrié (PD), Robert J. Hinkle (VS), Bérangére Bazin (PD), Daisuke Uraguchi (PD), Jian Cui (PD), Alexei Polossoukhine (PD), Santosh J. Gharpure (PD), Hai-Ren Zhang (PD), Jun Qin (PD), Mohammad Nuruzzaman (PD), Kwong Wah Lai (PD), Katsufumi Suzuki (PD),

Bingfeng Sun (PD), Yong Soo Kim (VS), Jung-Ha Chae (PD), Xingdong Zhao (PD), Pramod K. Sahu (PD), Michael D. Ganton (PD), Marie-Christine Lacasse (PD, 01/06-07/08), Stephen J. Atkinson (PD, 11/06-08/08), Sergio M. Quintana (PD, 6/08-3/12), Mu-Hua Huang (PD, 08/08-08/11), Deju Shang (PD, 11/09-10/11), Phillip A. Inglesby (PD, 10/11-5/13), Samuel Oliver (PD, 10/12-4/13), Xiangyu Guo (PD, 9/12-8/14), Aleksandr Grisin (PD, 1/13-3/15), Jing Zhou (PD, 11/14-10/16), Jie Zheng (PD, 8/14-8/16), Rebecca L. Grange (RA, 7/11-6/17), Jun Li (PD, 08/17-8/18), JuanJuan Wang (VS, 01/18-02/19), Madhu Aeluri (PD, 12/17-05/20), Bhavin V. Pipaliya (PD, 10/18-5/21), Huifang Dai (VS, 6/19-5/20), Yuk Fai Wong (9/22-8/23), Subaramanian Murugan (10/22-8/23), Kirana D. Veeranna (7/22-4/25), and Prashant Kumar (3/24-11/25).

Doctoral Students: Thomas A. Brandt (01/94-09/99), Jade D. Nelson (01/94-10/99), John E. Robinson (01/98-09/03), David K. Leahy (01/99-01/04), James R. Sawyer (09/01), William J. Andrews (09/02), Michael J. Lawler (09/02), Alen Cusak (12/03-04/09), Anja Dancevic (12/03-09/09), Elizabeth A. Clizbe (12/04-06/10), Sanil Sreekumar (10/06-8/11), Helen J. Laidlaw (5/07-11/12), Phillip A. Inglesby (9/07-9/11), Sean Ng (9/07-11/11), Paolo Ricci (10/07-12/11), Samuel Oliver (9/08-9/12), Aleksandr Grisin (10/08-12/12), Ryan O'Connor (9/09-1/14), Stephen Ojo (9/09-7/14), Thomas Baikshtis (12/10-2/15), Stephanie Yip (9/11-8/15), Daniela E. Negru (10/11-11/15), Ben W. H. Turnbull (9/12-11/16), Qingwen Gui (9/15-12/16), Dezhi Chen (9/12-8/17), Andrew J. Burnie (9/12-8/18), Yu Su (9/13-9/18), Timothy B Wright (5/14-12/19), Bohang Zhou (9/19-3/21), Hui Li (9/19-3/21), Jadab Majhi (9/15-6/21), Mai-Jan Tom (6/16-12/22), Debasis Pal (9/17-8/23), Michael P. Ylagan (01/18-5/24), Hengmu Xie (GRA, 10/17-10/24), Alexander G. Conway (GRA, 09/18-4/25), Jinbao Fan (9/20-6/25), and Yu Zhu (GRA, 9/19-9-25).

Masters Students: Lisa T. Garber (MS), Jamie D. Roseman (MS), Lawrence J. Kennedy (MS), Thara Manangan (MS), Aleem N. Fazal (MS), Eric W. Baum (MS), G. Reza Ebrahimian (MS), Ling Zhao (MS), Michael Dalziel (9/12-8/15), Jennifer Cosman (1/13-8/15), Molly Dushnicky (9/13-8/15), Paul Miller (09/18-3/19), Michael Grotsky (07/18-8/20), Wan Yanyun (9/19-6/22), Huimin Li (9/19-8/22), Tomas Alderman (9/22-4/23), Jianping Yao (9/20-8/23), QinTian Qu (9/20-6/23), Zu-Qing Mao (09/21-06-24), Fan Pu (09/21-06-24) Zhengao Li (9/22-6/25), Handi Wu (9/22-6/25), and Yan Zeng (9/22-6/25).

Former Undergraduate Research Associates: Mark S. Gray ('94), James M. Longmire ('93/'95), Dilip P. Modi ('94/'95), Eric M. Troop ('95), Joseph Jean ('96), Jason R. Remy ('97), Mathew Eager ('97), Bonnie E. Louridas ('97/'98), Darren W. Engers ('98-'99), Russell Robinson ('01), Dayna L. Tyrner (REU, '01), Hillary Hoffman (REU, '02), Vishy Nagalingam ('02), Joshua Dilley (REU, '03), Laura M. Slieker ('03/'04), Janette Kibogy ('05), Matthew T. Burk ('05/'06), Laura E. Sudbury ('06/'07), Samantha Brogan ('07), Samuel Oliver ('07/'08), Ryan O'Connor ('08/'09), James Firman

('09/'10), Emma J. Counsell ('10/'11), A. Sabina Ghetau ('10/'11), Thomas Nation ('11), Kathryn Kilbride ('11/'12), Gregory Perry ('11/'12), James Parry-Reece ('12), Timothy B. Wright ('13), Sihan Guo (9/14-8/15), Leah Egan (5/15-8/15), Mai-Jan Tom (9/15-4/16), Natalia Loskutova (5/16-9/16), Rachel Ross (9/16-4/17), Shuchen Yan (9/16-4/17), Cooper Boyd (5/17-8/17), Michael Grotsky (12/17-05/18), Sarah Bird (UG, 5/19-9/19), Yuxin Zhuang (UG, 8/19-10/19), Kevin Chan (09/20-04/21), Yixin Zhang (09/20-04/21), Jiujiu Xiang (09/20-04/21), Abby Smilestone (09/21-4/22), Emma Whitten (09/21-4/22), Zhecheng Wan (6/22-4/23), Paige Spiteri (8/22-4/23), Marco Leung (05/23-8/23), Devin Robb (01/24-4/25), and Brayden Hutchison (9/25 -4/26).

Consulting:

April 2023 to Present	Vertex Pharmaceuticals, Boston, MA.
Jan. 2022 to Present	Adesis, Inc., New Castle, DE.

Sponsored Research (Canada):

Title:	*Organic and Organometallic Chemistry*
Source:	Canadian Research Chair (CRC T1)
Dates:	1/7/12-30/6/19
Amount:	$1,400,000
Title:	*New Metal-Catalyzed Allylic Substitution and Higher-Order Carbocyclization Reactions*
Source:	Canadian Foundation for Innovation (CFI)
Dates:	1/7/12-30/6/19
Amount:	$1,000,000
Title:	*New Metal-Catalyzed Allylic Substitution and Higher-Order Carbocyclization Reactions*
Source:	NSERC – Discovery Grant
Dates:	1/7/12-30/6/17
Amount:	$505,000
Title:	*"Continuous Flow Reactor"*
Source:	NSERC – RTI
Dates:	1/7/12-30/6/13
Amount:	$103,733
Title:	*Preclinical Development of Natural Product-Based Agents as Anti-Cancer Drugs*
Source:	CIHR-NSERC – CHRP

Dates:	1/4/14-3/31/17
Amount:	$388,200
Title:	*Engineered Nickel Catalysts for Electrochemical Clean Energy "Ni Electro Can"*
Source:	NSERC – Discovery Frontiers
Dates:	1/11/15-31/10/19
Amount:	$4,000,000
Title:	*Development of Antibody-Drug Conjugates that use Actin-Targeting Warheads*
Source:	CIHR-NSERC – CHRP
Dates:	1/4/17-31/3/20
Amount:	$497,500
Title:	*New Metal-Catalyzed Reactions for the Synthesis of Bioactive Agents*
Source:	NSERC – Discovery Grant
Dates:	1/4/17-31/3/22
Amount:	$530,000
Title:	*Organic and Organometallic Chemistry*
Source:	Canadian Research Chair (CRC T1)
Dates:	1/7/19-30/6/26
Amount:	$1,400,000
Title:	*Novel Multivalent Synthetic Actin Toxins for Treating Metastatic Cancers*
Source:	New Frontiers in Research Fund – Exploration
Dates:	1/4/20-31/3/22
Amount:	$273,175
Title:	*Design and Development of Novel Classes of Actin-Targeting Toxin-Glycan-Antibody Conjugates*
Source:	Queen's University – *Wicked Ideas*
Dates:	1/7/20-30/6/22
Amount:	$75,000
Title:	*New Metal-Catalyzed Reactions for the Synthesis of Bioactive Agents*
Source:	NSERC – Discovery Grant
Dates:	1/4/22-31/3/27
Amount:	$515,000

Title:	*Improving Antibody-Drug Conjugates through Glyco-Engineering for New Targeted Cancer Therapeutics*
Source:	Queen's University – *Wicked Ideas*
Dates:	1/8/23-31/7/24
Amount:	$75,000
Title:	*Drug Discovery and Development: Generating Non-Addictive, pH-Sensitive Analgesic Drugs as an Alternative to Conventional Opioids*
Source:	Mitacs Accelerate
Dates:	1/1/24-31/31/12/25 (Declined)
Amount:	$270,000
Title:	*Bruce Mitchell Research Program – Doctoral Trainees Fund*
Source:	Bruce Mitchel Fund
Dates:	1/1/24-31/31/12/25
Amount:	$140,000
Title:	*Investigating the Pyroptosis-Independent Role of GSDMD in Breast Cancer Energy Metabolism*
Dates:	1/4/24-/31/3/27
Amount:	$525,000
Title:	*Revolutionizing Antiviral Therapy: Novel Prodrug Strategies for Broad-Spectrum Efficacy*
Source:	New Frontiers in Research Fund – Exploration
Dates:	1/4/25-31/3/27
Amount:	$250,000
Title:	*Preclinical Characterization of an Actin-Disrupting Antibody–Drug Conjugate for the Treatment of Metastatic Prostate Cancer*
Source:	UHKF – Prostate Cancer Fight Foundation
Dates:	1/5/25-30/4/26
Amount:	$30,000
Title:	*High-Payload Antibody–Dendrimer Conjugates for Targeted Inhibition of Cancer Metastasis*
Source:	Canada Impact+ Research Training Awards – NSERC
Dates:	1/8/26-31/7/28
Amount:	$140,000

Sponsored Research (United Kingdom):

Title:	*Rhodium-Catalyzed [4+2+2] Carbocyclizations for the Synthesis of Cyclooctanoids*
Source:	Royal Society – Wolfson Award
Dates:	1/7/06-30/6/11
Amount:	£90,000
Title:	*"Development of Novel Antitumor Therapeutics: Synthesis and Biological Evaluation"*
Source:	CRUK
Dates:	1/7/06-30/6/09
Amount:	£500,000
Title:	*"Unrestricted Funds"*
Source:	GlaxoSmithKline
Dates:	1/7/06-30/6/09
Amount:	£200,000
Title:	*"Rhodium-Catalyzed Higher-Order Cyclization Reactions"*
Source:	EPSRC
Dates:	1/10/07-30/9/11
Amount:	£191,164
Title:	"*New Rhodium-Catalyzed Allylic Oxidation and Wacker Reactions"*
Source:	Syngenta
Dates:	1/10/07-30/9/10
Amount:	£101,582
Title:	"*New Rhodium-Catalyzed Allylic Substitution Reactions"*
Source:	AstraZeneca
Dates:	1/9/08-30/8/12
Amount:	£95,582
Title:	"*Enantioselective Metal-Catalysed Carbocyclisation Reactions*"
Source:	EPSRC
Dates:	1/4/09-3/31/013
Amount:	£528,000
Title:	*"Asymmetric Metal-Catalyzed Allylic Alkylation with Acyl Anions"*
Source:	EPSRC

Dates: 1/10/09-30/9/13
Amount: £107,080

Sponsored Research (United States):

Title: "Synthesis and Mechanism of the Gamberic Acids A–D"
Source: University of Delaware Research Foundation
Dates: 1/1/94-6/1/95
Amount: $25,000

Title: "Unrestricted Research Grant"
Source: Zeneca Pharmaceuticals
Dates: 1/12/94-1/11/95
Amount: $10,000

Title: "New Methodology for the Stereoselective Synthesis of Cyclic Ethers"
Source: Petroleum Research Fund
Dates: 1/9/95-31/8/97
Amount: $20,000

Title: "Synthesis of Fragments of the Potent Antifungal Agents Gamberic Acids"
Source: DuPont Agricultural Products
Dates: 5/31/95-5/30/98
Amount: $30,000

Title: "Undergraduate Summer Fellowships"
Source: Zeneca Pharmaceuticals
Dates: 5/1/94-4/31/96
Amount: $10,000

Title: "Asymmetric Synthesis of Mycalamide A and B"
Source: University of Delaware Research Foundation
Dates: 6/1/96-5/31/97
Amount: $30,000

Title: "Undergraduate Summer Fellowship"
Source: Rhone-Poulenc Rorer Pharmaceuticals
Dates: 5/1/97-4/31/98
Amount: $10,000

Title: "Stereoselective Synthesis of Cyclic Ethers"

Source: National Institutes of Health-R29-GM54623
Dates: 5/1/97-4/31/02
Amount: $519,175

Title: “Unrestricted Research Grant”
Source: Zeneca Pharmaceuticals
Dates: 5/10/97-5/9/98
Amount: $10,000

Title: "Arts and Science Research Award"
Source: College of Arts and Sciences
Dates: 5/2/97-5/1/98
Amount: $2,000

Title: “Excellence in Research Award”
Source: Zeneca Pharmaceuticals
Dates: 11/5/97-11/4/98
Amount: $30,000

Title: “Outstanding Young Scholar Award”
Source: Francis Alison Society
Dates: 11/22/97-11/20/98
Amount: $1,000

Title: “New Bicyclic Template for Combinatorial Synthesis”
Source: Rhone-Poulenc Rorer Pharmaceuticals
Dates: 9/1/99-8/31/01
Amount: $111,370

Title: “New Transition Metal Catalyzed Carbon-Carbon Bond Forming Reactions”
Source: Camille Dreyfus Teacher-Scholar Award
Dates: 5/1/98-4/31/03
Amount: $60,000

Title: “Unrestricted Research Grant”
Source: Zeneca Pharmaceuticals
Dates: 8/1/98-7/31/99
Amount: $25,000

Title: “Eli Lilly Grantee Award”
Source: Eli Lilly Laboratories

Dates: 8/20/98-8/19/00
Amount: $30,000

Title: "GlaxoWellcome Chemistry Scholar Award"
Source: Glaxo Wellcome Pharmaceuticals
Dates: 9/24/98-9/23/00
Amount: $40,000

Title: "Enantioselective Rhodium-Catalyzed Allylic Substitution Reactions"
Source: Petroleum Research Fund
Dates: 9/1/99-8/31/02
Amount: $90,000

Title: "New Rhodium-Catalyzed Allylic Alkylation Reactions"
Source: National Institutes of Health
Dates: 9/1/99-8/31/02
Amount: $574,006

Title: "Academic Achievement Award"
Source: Novartis Pharmaceuticals
Dates: 3/15/00-3/14/02
Amount: $30,000

Title: "Silicon-Tethered Ring-Closing Metathesis Cross-Coupling Reactions"
Source: R. W. Johnson Pharmaceuticals
Dates: 5/1/01-4/30/04
Amount: $279,552

Title: "Pfizer Award for Creativity in Organic Chemistry"
Source: Pfizer GRD
Dates: 1/30/02-1/29/04
Amount: $100,000

Title: "New Metal-Catalyzed Cross-Coupling and Carbocyclization Reactions"
Source: National Science Foundation
Dates: 7/15/03-6/30/06
Amount: $375,000

Title: "Minority Education and Development Initiative for Careers in Biomedicine (MEDIC-B)"
Source: National Institutes of Health

Dates: 1/1/03-12/31/06
Amount: $892,657

Title: "Stereoselective Synthesis of Cyclic Ethers"
Source: National Institutes of Health
Dates: 12/1/03-11/30/07
Amount: $1,002,039

Title: "New Rhodium-Catalyzed Allylic Alkylation Reactions"
Source: National Institutes of Health
Dates: 7/1/04-6/30/08
Amount: $1,088,201

Title: "Synthesis and Evaluation of Pheromones"
Source: Indiana Metacyt Initiative
Dates: 10/1/05-9/30/06
Amount: $51,994

Title: "Total Synthesis of the Annonaceous Acetogenin Mucocin and Derivatives"
Source: Indiana Metacyt Initiative"
Dates: 9/1/05-8/31/08
Amount: $334,609

Departmental and College Service:

Queen's University:

2015 – Present Safety Committee – Chair

Responsibilities: I serve as the Chair for the Departmental Safety Committee, responsible for maintaining and enhancing laboratory safety across the department. The committee monitors safety incidents and infractions, oversees laboratory conditions and compliance, and provides recommendations to ensure facilities meet the highest standards of safety and functionality. Through this work, the committee plays a central role in protecting personnel, ensuring regulatory compliance, and sustaining a safe and productive research environment.

2024 – 2025 Technical Services Committee – Chair

Responsibilities: As Chair of the Technical Services Committee, I oversaw the instrumentation managers for the entire department, exercising responsibility for the maintenance, renewal, and strategic deployment of our core research infrastructure. This role demanded sustained leadership and extensive engagement with external partners and senior administrators to ensure the department's long-term operational strength. Major accomplishments during the evaluation period include:

Renegotiated the Dupont contract: Successfully replaced an unfavorable flat-fee agreement of $25,000 with a usage-based model projected to **quadruple departmental income**. This innovative framework is now being applied as the template for other external contracts.

Secured a new 400 MHz NMR: Led the development of detailed justifications to convince the Dean and Provost of the urgent need to replace the failing instrument, requiring extensive correspondence and negotiation at the senior administrative level.

Directed $750K in repairs and upgrades: Oversaw and coordinated the repair of all departmental instrumentation to ensure full functionality, safeguarding significant resources from being reclaimed.

Advanced mass spectrometry renewal: Initiated discussions with Advancement to replace the outdated mass spectrometry platform and raised the need for a CFI allocation with the Dean to position the department for future infrastructure investment.

Through these efforts, I preserved and substantially enhanced the department's instrumentation base, securing financial sustainability, research competitiveness, and institutional investment in critical infrastructure.

2021 *i*QGA Committee (College of Arts and Science)

Responsibilities: I was selected by the Head of Department to serve on this committee to review the distribution of international tuition waivers in a more equitable manner.

2020 – 2025 Graduate Committee

Responsibilities: The committee is responsible for selecting graduate student awards and for reviewing the graduate curriculum. We recently initiated the establishment of several new awards for international graduate students and indigenous students.

2019 – 2022 Physics/Chemistry Visionary Exercise (College of Arts and Science)

Responsibilities: I am part of a joint committee established by the Dean to provide a feasibility plan for creating a new annex between Chemistry and Physics. The vision is to maximize the "best practices" in each department and find synergistic programs within teaching and research.

2016 - 2017 Head of Department Search Committee

Responsibilities: I was part of a diverse committee established by the Dean to select the new Head of the department.

2015 - 2016 Awards Committee

Responsibilities: I managed the nomination of colleagues for research and teaching awards. I proposed this committee be established based on my experience at Indiana University.

2013 X-Ray Search Committee

Responsibilities: I was selected by the Head of Department to recruit a new colleague to manage the X-ray facility.

2012 - 2015 Appointments Committee

Responsibilities: My colleagues elected me to serve on a committee to recruit new department faculty members. The committee successfully hired two new faculty members, one of which was recently tenured.

2012 - Present Advancement and Planning Committee

Responsibilities: I am part of a committee responsible for finding opportunities for the advancement of the department. We have successfully leveraged several endowed lectureships and student awards for the department. We are currently working on the *Snieckus Graduate Awards* with advancement.

2012 - Present Safety Committee – Co-Chair

Responsibilities: The committee oversees departmental safety by monitoring safety incidents and infractions. We also provide a newsletter to help create a safe working environment. I was also part of the COVID Safety Committee. This assignment developed a "Return to Work" safety manual during the early part of the pandemic, including a safety seminar and access documents for groups to resume their research safely. *The safety protocols that we created were then implemented across the entire university.*

University of Liverpool:

2011-2012 REF Committee

Responsibilities: I was part of the committee responsible for drafting the document on the department's research accomplishments to leverage support from the UK government.

2008-2012 PDR Committee (Annual Evaluations – 10 Faculty Members)

Responsibilities: I was responsible for the annual performance evaluations for ten colleagues in the Organic Division for the Head of Department.

2006 - 2008 RAE Committee

Responsibilities: I was part of the committee that successfully put together the document that leveraged support from the UK government, which ranked among the top UK universities. This exercise is critical for garnering financial support from the government.

2006 - 2007 Chair: Organic Faculty Search

Responsibilities: I was responsible for recruiting a new faculty member. I established a search committee that shortlisted candidates for interviews.

2006 - 2012 Executive Committee

Responsibilities: I was part of the senior management committee that made critical decisions for the department, including departmental budgets, infrastructure and recruitment. During this phase, we oversaw the construction of the new Central Teaching Hub ($40M).

2006 - 2012 Chair: Technical Services Committee

Responsibilities: I was charged with establishing the first committee responsible for maintaining equipment and instrumentation in the department.

2006 - 2012 Head of Organic Section (12 Faculty Members)

Responsibilities: I was the line manager for twelve organic colleagues and conducted annual performance evaluations. I managed a seminar budget and raised additional funds to supplement the departmental allocation. We also established a new award for first-year graduate students and a named lectureship.

Indiana University:

2005-2006 College Tenure and Promotions Committee (COAS)

Responsibilities: I was selected by the Head of Department to review tenure decisions for the Dean of the College of Arts and Sciences. This committee assignment involved working with colleagues from other departments across campus to review all the cases considered for tenure.

2004 - 2006 Chair: Library Committee

Responsibilities: I was the liaison to the librarian in charge of chemistry. The primary role was to make the case to avoid losing journals.

2004 - 2006 Co-Chair: Safety Committee

Responsibilities: I was responsible for monitoring departmental safety and infractions. Furthermore, I was part of a sub-committee responsible for implementing a new inventory system.

2004 - 2006 Scientific Stores Committee

Responsibilities: I was part of the committee that monitored the departmental stores. We provided guidance on stock items and potential problems with different chemicals.

2002 - 2003 Organic Faculty Group Coordinators

Responsibilities: I coordinated the Organic Division, which dealt with cumulative examinations, seminars and teaching assignments.

2002 - 2003 Chair: Publicity

Responsibilities: I was charged with establishing a new committee to promote the science being conducted in the department using my contacts at various scientific magazines.

2002 - 2003 Coordinator for the NMR Facility

Responsibilities: I was responsible for managing the NMR facility by overseeing the cost structure to support staff salaries and equipment maintenance.

2001 - 2006 Faculty Recruiting Committee

Responsibilities: I was part of the faculty recruitment of candidates from all areas of chemistry, which involved reviewing applications, participating in interviews and the subsequent evaluations.

2001 - 2006 Awards Committee

Responsibilities: I was responsible for the nomination of my organic chemistry colleagues for research and teaching awards.

2001 - 2003 Colloquium Committee

Responsibilities: My role on the committee was to represent the Organic Division in selecting external colleagues for a specific named lectureship.

2001 - 2003 Policy Committee

Responsibilities: I was part of the senior management committee that made critical decisions for the department, including departmental budgets, infrastructure and recruitment. We oversaw building a new research facility – Simon Hall ($26.6M).

2001 - 2003 Chair: Graduate Student Recruitment Committee

Responsibilities: I was selected by the Head of Department to lead the graduate recruitment given the declining numbers. I worked with a committee to identify outstanding students and leveraged more than $250K per year in fellowships to prospective students. I successfully leveraged the fellowship funds to more than double the number of graduate students (>50). I also established the *Undergraduate Research Symposium*, which recognized professors at various career stages for their work and mentorship of undergraduate students.

2001- 2003 Coordinator for the Organic Seminar Series (Fall)

Responsibilities: I garnered nominations of speakers from colleagues and managed their invitations and reimbursements.

University of Delaware:

1998 - 1999 Chair: Junior Organic Faculty Search

Responsibilities: I served on the successful junior organic faculty search committee.

1998 Library Committee

Responsibilities: I was the Organic Division liaison to the Chair in charge of the library in chemistry.

1997 - 2000 Space Committee

Responsibilities: The space committee provided the Head of Department recommendations based on usage and grant income.

1997 - 1999 Planning Committee

Responsibilities: I was a member of the planning committee responsible for providing the Head of Department with guidance on recruitment.

1997 - 1998 Junior Organic Faculty Search

Responsibilities: I served on the successful junior organic faculty search.

1996 - 2000 TAF Committee

Responsibilities: I served on the graduate recruitment committee to review potential graduate students.

1996 - 1997 Associate Dean Search Committee (COAS)

Responsibilities: I was selected by the Head of Department to serve on the Associate Dean search committee.

1996 Safety Committee

Responsibilities: I was responsible for monitoring departmental safety and infractions.

1995 - 1996 Junior and Senior Organic Faculty Search

Responsibilities: I was part of the organic faculty search, which recruited a junior faculty member.

1995 - 1996 Computer Committee

Responsibilities: I was responsible for overseeing the implementation of new computers in the department.

1995 Junior Biochemistry Faculty Search

Responsibilities: I served on the successful junior biochemistry faculty search.

1994 - 2000 Coordinator for the Organic Seminar Series (Fall).

Responsibilities: I garnered speaker nominations from colleagues and managed their invitations and reimbursements.

1993 - 1996 Graduate Curriculum Committee

Responsibilities: The committee is responsible for selecting graduate student awards and reviewing the graduate curriculum.

Teaching:

Queen's University

Winter 2026	CHEM-414/863 – Dual Catalysis
Fall 2025	ENCH/CHEM-212 – Principles of Chemical Reactivity
Winter/Fall 2024	CHEM-414/863 – Dual Catalysis

Fall 2022-2024	CHEM-314 – Stereoselective Organic Synthesis
Fall 2020-2022	CHEM-414/863 – Dual Catalysis
Winter 2019-2021	ENCH-245 – Applied Organic Chemistry
Winter 2018-2020	CHEM-916 – Strategies in Total Synthesis
Winter 2014-2018	CHEM-422 – Synthetic Organic Chemistry
Fall 2014-2016	CHEM-916 – Strategies in Total Synthesis

University of Liverpool

Spring 2011-2012	CHEM-484 – Natural Product Synthesis: Design and Strategy
Fall 2007-2011	CHMR-430 – Advanced Spectroscopic Elucidation for Organic Chemists

Indiana University

Spring 2002-06	CHEM-343/S343 – Organic Chemistry Laboratory I
Fall 2001-2005	CHEM-443/503 – Advanced Organic Spectroscopy

University of Delaware:

Fall 2000	CHEM-333 – Introduction to Spectroscopic Determination
Fall 1999	CHEM-830 – Organometallics in Total Synthesis
Fall 1995-1998	CHEM-333 – Introduction to Spectroscopic Determination
Spring 1996-1999	CHEM-634 – Organic Synthesis and Reactions
Spring 1994-1995	CHEM-322 – Organic Chemistry
Fall 1993-1994	CHEM-321 – Introduction to Organic Chemistry

Signed:  Date: February 4, 2026

P. Andrew Evans, Professor

Alfred R. Bader Chair in Organic Chemistry and a Tier 1 CRC in Organic and Organometallic Chemistry