

P. Andrew Evans

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Department of Chemistry
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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
- Sept. 2018 to Present 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,

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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 pancratistatin.

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:

Dec. 2020

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-

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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.
- 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.
- January 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.

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- 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.

Consulting:

- April 2009 to March 2010 Eli Lilly, Windlesham Surrey, UK.
- July 1998 to Jan. 2001 AstraZeneca Pharmaceuticals, Wilmington, DE.
- May 1999 to May 2000 Parke-Davis Pharmaceuticals, Holland, MI.

Editorial Boards and Professional Service:

- Jan 2019 to Present Editor-in-Chief, *Organic Reactions, Inc.*
- March 2015 to Feb. 2017 Advisory Committee, ISHC Advisory Committee, ISHC
- June. 4-5, 2015 Ad-Hoc Member, *NIH MCHB Study Section*, Baltimore, MD
- March 2015 to Dec. 2018 Responsible Editor, *Organic Reactions, Inc.*
- Jan 2013 to Dec. 2014 Associate Member, *ACS Committee on Chemical Safety*
- Jan. 2012 to Dec. 2014 Councilor, *ACS Division of Organic Chemistry*
- Dec. 2010 to Present Associate Editor, *Synthesis*
- July 2010-Present Co-Organizer, *DOC Graduate Research Symposium*
- Feb. 3-4, 2009 Ad-Hoc Member, *NIH MCHA Study Section*, San Francisco, CA
- Jan. 2009 to Dec. 2010 Editorial Board, *SynLett and Synthesis*
- Jan. 2009 to Dec. 2011 Chair-Elect, Chair, Past-Chair, *ACS Division of Organic Chemistry*
- Jan. 2008 to Dec. 2010 Editorial Board, *Chem. Commun.*
- Oct. 2006 to Sep. 2008 Permanent Member, *NIH MCHA Study Section*, Bethesda, MD
- June 2006 to Present Editorial Advisory Board for *Letters in Organic Chemistry*
- Jan. 2005 to Dec. 2007 US Associate Editor, *Chem. Commun.*
- Aug. 2004 to Aug. 2007 Executive Officer of the *National Organic Symposium 2007*

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March. 15, 2004	Ad-Hoc Member, <i>Special NIH Study Section</i> , Bethesda, MD
Oct. 8-9, 2003	Ad-Hoc Member, <i>NIH MCHA Study Section</i> , Bethesda, MD
Jan. 2003 to March 2015	Board of Consulting Editors for <i>Tetrahedron</i> and <i>Tetrahedron Letters</i>
Jan. 2003 to Dec. 2005	Member-at-Large, <i>ACS Division of Organic Chemistry</i>
June 11-12, 1996	CRDF-Chemical and Engineering Review Panel, Washington, DC

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 103, 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, *in press*.

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, Vol. 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.

Book Reviews:

1. Catalytic Asymmetric Synthesis, Ed. I Ojima, VCH: New York, 1993 in *J. Am Chem Soc.* **1994**, *116*, 7957.

Publications:

Ph.D. Research:

1. “Synthesis of Homochiral Unsaturated Seven-Membered Lactams”
P. A. Evans, A. B. Holmes and K. Russell, *Tetrahedron: Asymmetry* **1990**, *1*, 593.
2. “Asymmetric Synthesis of Unsaturated Medium Ring Heterocycles and Applications to the Synthesis of Natural Products”
N. R. Curtis, P. A. Evans, A. B. Holmes, M. G. Looney, N. D. Pearson, and G. C. Slim, in *Chirality in Drug Design and Synthesis*, Ed. C. Brown, Academic Press, London, **1990**, p232.
3. “Medium Ring Heterocycles”
P. A. Evans and A. B. Holmes, *Tetrahedron* **1991**, *47*, 9131.
4. “Synthesis of Monocyclic Medium Ring Lactams”
P. A. Evans, A. B. Holmes, and K. Russell, *Tetrahedron Lett.* **1992**, *33*, 6857.
5. “Regio- and Stereoselective Functionalisation of Monocyclic Medium Ring Lactams”
P. A. Evans, I. Collins, P. Hamley, A. B. Holmes, K. Russell, and P. R. Raithby, *Tetrahedron Lett.* **1992**, *33*, 6859.
6. “New Synthetic Methodology for the Synthesis of 7-Substituted Tetrahydro-Azepin-2-ones”
P. A. Evans, A. B. Holmes, and K. Russell, *J. Chem. Soc. Perkin Trans. 1*, **1994**, 3397.
7. “The First Example of a Transoid Amide (Imide) in an Eight Membered Lactam”
P. A. Evans, A. B. Holmes, I. Collins, P. R. Raithby, and K. Russell, *J. Chem. Soc., Chem. Commun.* **1995**, 2325.
8. “New Methodology for the Synthesis of Unsaturated 8-, 9- and 10-Membered Lactams”
P. A. Evans, A. B. Holmes, R. P. McGeary, A. Nadin, K. Russell, P. J. O’Hanlon, and N. D. Pearson, *J. Chem. Soc. Perkin Trans. 1* **1996**, 123.

Postdoctoral Research:

9. “New Trialkylsilyl Enol Ether Chemistry: New Regiospecific Methodology for the Synthesis of α,β -Unsaturated Cyclic Ketones”
P. Magnus, A. Evans, and J. Lacour, *Tetrahedron Lett.* **1992**, *33*, 2933.

10. “New Trialkylsilyl Enol Ether Chemistry: β -Functionalization as a New Strategy in Organic Synthesis”
P. Magnus, J. Lacour, and P. A. Evans, *Janssen Chimica Acta*. **1993**, *11*, 3.
11. “Hypervalent Iodine Chemistry: New Oxidation Reactions Using the Iodosylbenzene-Trimethylsilylazide Reagent Combination. Direct α - and β -Azido-Functionalization of Triisopropylsilyl (TIPS) Enol Ethers”
P. Magnus, J. Lacour, P. A. Evans, M. B. Roe, C. Hulme, *J. Am. Chem. Soc.* **1996**, *118*, 3406.
12. “Applications of the β -Azidonation Reaction to Organic Synthesis. α,β -Enones, Conjugate Addition and γ -Lactam Annulation”
P. Magnus, J. Lacour, P. A. Evans, P. Rigollier, and H. Tobler, *J. Am. Chem. Soc.* **1998**, *120*, 12486.

Independent Research:

13. “Regioselective Preparation of α -Nitro Cyclohexyl Triisopropylsilyl Enol Ethers”
P. A. Evans and J. M. Longmire, *Tetrahedron Lett.* **1994**, *35*, 8345.
14. “Stereoselective Synthesis of *cis*-2,5-Disubstituted Tetrahydrofuran-3-ones *via* an Acyl Radical Cyclization”
P. A. Evans and J. D. Roseman, *Tetrahedron Lett.* **1995**, *36*, 31.
15. “An Improved Protocol for the Preparation of 2,6-Di(*tert*-butyl)-4-methylphenyl (BHT) Alkanoates”
P. A. Evans and A. L. Stanley, *Synth. Commun.* **1995**, *25*, 515.
16. “Directed Lithiation/Transmetalation Approach to Palladium Catalyzed Cross-Coupling Acylation Reactions”
P. A. Evans, J. D. Nelson, and A. L. Stanley, *J. Org. Chem.* **1995**, *60*, 2298.
17. “Regioselective Preparation of α,β -Unsaturated Ketones *via* the Direct Dehydrogenation of Triisopropylsilyl Enol Ethers”
P. A. Evans, J. M. Longmire, and D. P. Modi, *Tetrahedron Lett.* **1995**, *36*, 3985.
18. “Novel Approach to Lactams *via* (Triisopropylsilyl)azidohydrin Formation and Photo-Induced Schmidt Rearrangement”
P. A. Evans and D. P. Modi, *J. Org. Chem.*, **1995**, *60*, 6662.
19. “Palladium Catalyzed Cross-Coupling Acylation Approach to the Antitumor Antibiotic Fredericamycin A”
P. A. Evans and T. A. Brandt, *Tetrahedron Lett.* **1996**, *37*, 1367.

20. "Stereoselective Synthesis of Cyclic Ethers *via* Intramolecular Acyl Radical Cyclizations: A Practical Solution to Decarbonylation"
P. A. Evans and J. D. Roseman, *J. Org. Chem.* **1996**, *61*, 2252.
21. "Diastereoselective Formation of Cyclic Acetals *via* an Intramolecular Fluoride-Catalyzed Hetero-Michael Reaction"
P. A. Evans and L. T. Garber, *Tetrahedron Lett.* **1996**, *37*, 2927.
22. "An Iterative Approach to Biologically Important Fused Polycyclic Ethers *via* Acyl Radical Cyclizations"
P. A. Evans, J. D. Roseman, and L. T. Garber, *J. Org. Chem.* **1996**, *61*, 4880.
23. "Novel Haloacetoxylation of 1,4-Dimethoxynaphthalenes using Hypervalent Iodine Chemistry"
P. A. Evans and T. A. Brandt, *Tetrahedron Lett.* **1996**, *37*, 6443.
24. "Stereoselective Synthesis of Dihydropyran-4-ones *via* a Formal Hetero Diels-Alder Reaction and Ceric Ammonium Nitrate Dehydrogenation"
P. A. Evans and J. D. Nelson, *J. Org. Chem.* **1996**, *61*, 7600.
25. "Direct Oxidation of Primary *tert*-Butyldimethylsilyl Ethers to Carboxylic Acids with Jones Reagent"
P. A. Evans, J. D. Roseman, and L. T. Garber, *Synth. Commun.* **1996**, *26*, 4685.
26. "Enantioselective Allylic Substitution using a Novel (Phosphino-1,3-Oxazine)Palladium Catalyst"
P. A. Evans and T. A. Brandt, *Tetrahedron Lett.* **1996**, *37*, 9143.
27. "Novel Wagner-Meerwein Rearrangement of a Bicyclo[3.3.1]heptanol under Mitsunobu Conditions"
P. A. Evans, J. D. Nelson and A. L. Rheingold *Tetrahedron Lett.* **1997**, *38*, 2235.
28. "Stereoselective Synthesis of the 2,6-Disubstituted Tetrahydropyran-3-ol of the Potent Antitumor Agent Mucocin *via* an Acyl Radical Cyclization"
P. A. Evans and J. D. Roseman, *Tetrahedron Lett.* **1997**, *38*, 5249.
29. "Hypervalent Iodine Chemistry: Mechanistic Investigation of the Novel Haloacetoxylation, Halogenation and Acetoxylation Reactions of 1,4-Dimethoxynaphthalenes"
P. A. Evans and T. A. Brandt *J. Org. Chem.* **1997**, *62*, 5321.
30. "Preparation and Palladium Mediated Cross-Coupling Reactions of *cis*-2,3-Disubstituted 5-Halo Dihydropyran-4-ones"
P. A. Evans, J. D. Nelson, and T. Manangan, *Synlett* **1997**, 968.

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31. “Vinyllogous Sulfonates as Radical Acceptors for the Stereoselective Synthesis of Cyclic Ethers”
P. A. Evans and T. Manangan, *Tetrahedron Lett.* **1997**, 38, 8165.
32. “Regioselective Rhodium Catalyzed Allylic Alkylation with a *Modified* Wilkinson’s Catalyst”
P. A. Evans and J. D. Nelson, *Tetrahedron Lett.* **1998**, 39, 1725.
33. “Conservation of Absolute Configuration in the Acyclic Rhodium Catalyzed Allylic Alkylation Reaction: Evidence for an *Enyl* ($\sigma+\pi$) Organorhodium Intermediate”
P. A. Evans and J. D. Nelson, *J. Am. Chem. Soc.* **1998**, 120, 5581.
34. “Temporary Silicon-Tethered Ring-Closing Metathesis Approach to C_2 -Symmetric 1,4-Diols: Asymmetric Synthesis of D-Altritol”
P. A. Evans and V. S. Murthy, *J. Org. Chem.* **1998**, 63, 6768.
35. “Enantioselective Synthesis of the 4-Hydroxy Buteneolide Terminus of Mucocin and Related Annonaceous Acetogenins”
P. A. Evans and V. S. Murthy *Tetrahedron Lett.* **1998**, 39, 9627.
36. “Enantioselective Construction of the Tetrahydropyran and Tetrahydrofuran Fragments of the Antitumor Agent Mucocin from a Common Intermediate”
P. A. Evans and V. S. Murthy *Tetrahedron Lett.* **1999**, 40, 1253.
37. “Palladium-Catalyzed Rearrangement and Substitution Reactions of Acyclic Vinyllogous Carbonates and Sulfonates: Development of a New Leaving Group for Pd-Allyl Chemistry”
P. A. Evans, T. A. Brandt and J. E. Robinson *Tetrahedron Lett.* **1999**, 40, 3105.
38. “Enantiospecific Synthesis of Allylamines *via* the Regioselective Rhodium-Catalyzed Allylic Amination Reaction”
P. A. Evans, J. E. Robinson, and J. D. Nelson *J. Am. Chem. Soc.* **1999**, 121, 6761.
39. “Enantioselective Total Synthesis of the Nonisoprenoid Sesquiterpene (–)-Kumausallene”
P. A. Evans, V. S. Murthy, J. D. Roseman and A. L. Rheingold *Angew. Chem. Int. Ed.* **1999**, 38, 3175.
40. “Enantioselective Palladium-Catalyzed Allylic Alkylation with *E*- and *Z*-Vinyllogous Sulfonates”
P. A. Evans and T. A. Brandt *Org. Lett.* **1999**, 1, 1563.
41. “Regioselective Rh-Catalyzed Allylic Amination/Ring-Closing Metathesis Approach to Monocyclic Azacycles: Diastereospecific Construction of 2,5-Disubstituted Pyrrolines”
P. A. Evans and J. E. Robinson *Org. Lett.* **1999**, 1, 1929.
42. “Regioselective and Enantiospecific Rhodium-Catalyzed Intermolecular Allylic Etherification with *Ortho*-Substituted Phenols

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- P. A. Evans and D. K. Leahy, *J. Am. Chem. Soc.* **2000**, *122*, 5012.
43. “Stereoselective Synthesis of Cyclic Ethers using Vinylogous Sulfonates as Radical Acceptors: Effect of E/Z Geometry and Temperature on Diastereoselectivity”
P. A. Evans and T. Manangan *J. Org. Chem.* **2000**, *65*, 4523.
44. “Enantiospecific and Regioselective Rhodium-Catalyzed Allylic Alkylation: Diastereoselective Approach to Quaternary Carbon Stereogenic Centers”
P. A. Evans and L. J. Kennedy *Org. Lett.* **2000**, *2*, 2213.
45. “Stereoselective Construction of *trans*-Disubstituted Azabicycles Using Oxauracil as a Novel Radical Acceptor”
P. A. Evans, T. Manangan and A. L. Rheingold *J. Am. Chem. Soc.* **2000**, *122*, 11009.
46. “Regioselective Rhodium-Catalyzed Allylic Linchpin Cross-Coupling Reactions: Diastereospecific Construction of *anti*-1,3-Carbon Stereogenic Centers and C₂-Symmetrical Fragments”
P. A. Evans and L. J. Kennedy *J. Am. Chem. Soc.* **2001**, *123*, 1234.
47. “Regio- and Diastereoselective Tandem Rhodium-Catalyzed Allylic Alkylation/Pauson-Khand Annulation Reactions”
P. A. Evans and J. E. Robinson *J. Am. Chem. Soc.* **2001**, *123*, 4609.
48. “Stereoselective Construction of the Azabicyclic Core Applicable to the Biologically Important Polyguanidinium Alkaloids Batzelladine A and D using a Free Radical Cyclization”
P. A. Evans and T. Manangan *Tetrahedron Lett.* **2001**, *42*, 6637.
49. “Regioselective Rhodium-Catalyzed Allylic Alkylation/Ring-Closing Metathesis Approach to Carbocycles”
P. A. Evans and L. J. Kennedy *Tetrahedron Lett.* **2001**, *42*, 7015.
50. “Regioselective and Enantiospecific Rhodium-Catalyzed Allylic Amination with *N*-(Arylsulfonyl)anilines”
P. A. Evans, K. K. Moffett and J. E. Robinson *Org. Lett.* **2001**, *3*, 3269.
51. “Intramolecular Addition of Acyl Radicals to α -Substituted Vinylogous Carbonates: Demonstrating the Effect of Ring Size on Acyclic Stereocontrol”
P. A. Evans, S. Raina and K. Ahsan *J. Chem. Soc., Chem. Commun.* **2001**, 2504.
52. “Regio- and Enantiospecific Rhodium-Catalyzed Allylic Etherification Reactions using Copper(I) Alkoxides: Influence of the Copper Halide Salt on Selectivity”
P. A. Evans and D. K. Leahy *J. Am. Chem. Soc.* **2002**, *124*, 7882.

53. “Intermolecular Transition Metal-Catalyzed [4+2+2] Cycloaddition Reactions: A New Approach to the Construction of Eight-Membered Rings”
P. A. Evans, J. E. Robinson, E. W. Baum and A. N. Fazal *J. Am. Chem. Soc.* **2002**, *124*, 8782.
54. “Recent Developments in the Construction of *trans*-Fused Polycyclic Ethers”
P. A. Evans and B. Delouvrié *Current Opinion in Drug Discovery and Development* **2002**, *5*, 989.
55. “Diastereoselective Temporary Silicon-Tethered Ring-Closing Metathesis Reactions with *Prochiral* Alcohols: A New Approach to Long-Range Asymmetric Induction”
P. A. Evans, J. Cui and G. P. Buffone *Angew. Chem. Int. Ed.* **2003**, *42*, 1734 (*VIP and Cover*).
56. “Regio- and Enantiospecific Rhodium-Catalyzed Arylation of Unsymmetrical Fluorinated Acyclic Allylic Carbonates: Inversion of Absolute Configuration”
P. A. Evans and D. Uraguchi *J. Am. Chem. Soc.* **2003**, *125*, 7158.
57. “Regioselective and Enantiospecific Rhodium-Catalyzed Allylic Alkylation Reactions using Copper(I) Enolates: Synthesis of (–)-Sugiresinol Dimethyl Ether”
P. A. Evans and D. K. Leahy *J. Am. Chem. Soc.* **2003**, *125*, 8974.
58. “Stereoselective Construction of Cyclic Ethers using a *Tandem* Two-Component Etherification: Elucidation of the Role of Bismuth Tribromide”
P. A. Evans, J. Cui, S. J. Gharpure and R. J. Hinkle *J. Am. Chem. Soc.* **2003**, *125*, 11456.
59. “Stereoselective Construction of *cis*-2,6-Disubstituted Tetrahydropyrans *via* the Reductive Etherification of δ -Trialkylsilyloxy Substituted Ketones: Total Synthesis of (–)-Centrolbine”
P. A. Evans, J. Cui and S. J. Gharpure *Org. Lett.* **2003**, *5*, 3883.
60. “Recent Developments in Rhodium-Catalyzed Allylic Substitution and Carbocyclization Reactions”
P. A. Evans and D. K. Leahy *Chemtracts* **2003**, *16*, 567.
61. “Halide Ion Effects in the Rhodium-Catalyzed Allylic Substitution Reaction Using Copper(I) Alkoxides and Enolates”
P. A. Evans, D. K. Leahy and L. M. Sliker *Tetrahedron: Asymmetry* **2003**, *14*, 3613.
62. “Enantioselective Total Synthesis of the Potent Antitumor Agent (–)-Mucocin using a Temporary Silicon-Tethered Ring-Closing Metathesis Cross-Coupling Reaction”
P. A. Evans, J. Cui, S. J. Gharpure, A. Polosukhin, and H. -R. Zhang *J. Am. Chem. Soc.* **2003**, *125*, 14702.

63. “Photoinduced ring expansion of 1-triisopropylsilyloxy-1-azidocyclohexane: preparation of ϵ -caprolactam”
J. D. Nelson, D. P. Modi, and P. A. Evans *Org. Synth.* **2003**, 79, 165.
64. “Regio- and Diastereoselective Rhodium-Catalyzed Allylic Substitution with Acyclic α -Alkoxy-Substituted Copper(I) Enolates: Stereodivergent Approach to 2,3,6-Trisubstituted Tetrahydropyrans”
P. A. Evans and M. J. Lawler *J. Am. Chem. Soc.* **2004**, 126, 8642.
65. Stereodivergent Construction of Cyclic Ethers by a Regioselective and Enantiospecific Rhodium-Catalyzed Allylic Etherification: Total Synthesis of Guar Acid”
P. A. Evans, D. K. Leahy, W. J. Andrews, and D. Uraguchi *Angew. Chem., Int. Ed.* **2004**, 43, 4788 (*Hot Paper*).
66. Diastereoselective Intramolecular Temporary Silicon-Tethered Rhodium-Catalyzed [4+2+2] Cycloisomerization Reactions: Regiospecific Incorporation of Substituted 1,3-Butadienes
P. A. Evans and E. W. Baum *J. Am. Chem. Soc.* **2004**, 126, 11150.
67. Diastereoselective Metal-Catalyzed [4+2+2] Carbocyclization Reactions Utilizing Rhodium *N*-Heterocyclic Carbene (NHC) Complex: The First Example of a Rhodium NHC-Catalyzed [m+n+o] Carbocyclization”
P. A. Evans, E. W. Baum, A. N. Fazal and Maren Pink *Chem. Commun.* **2005**, 63.
68. “Diastereoselective Intermolecular Rhodium-Catalyzed [4+2+2] Carbocyclization Reactions: Computational and Experimental Evidence for the Intermediacy of an Alternative Metallacycle Intermediate”
M.-H. Baik, E.W. Baum, M. C. Burland, and P. A. Evans *J. Am. Chem. Soc.* **2005**, 127, 1602.
69. “Intermolecular Rhodium-Catalyzed [2+2+2] Carbocyclization Reactions of 1,6-Enynes with Symmetrical and Unsymmetrical Alkynes”
P. A. Evans, J. R. Sawyer and K. W. Lai *Chem. Commun.* **2005**, 3971.
70. “Stereoselective Construction of *cis*-2,6-Disubstituted Tetrahydropyrans *via* an Intramolecular Bismuth-Mediates Oxa-Conjugate Addition Reaction”
P. A. Evans and W. J. Andrews *Tetrahedron Lett.* **2005**, 46, 5625.
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Patents:

1. U.S. Provisional Patent Application No.: 62/477,118
Inventors: Andrew Evans and Dezhi Chen
Title: Synthesis of Thapsigargin, Nortrilobolide, and Analogs Thereof
Filing Date: March 27, 2017.
2. U.S. Provisional Patent Application No.: 62/547,254
Inventors: Rebecca Grange, John Allingham, Andrew Craig and Andrew Evans

Title: Cytotoxic Actin-Targeting Compounds

Filing Date: August 18, 2017

3. 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.

4. International Patent Application No.: PCT/CA2018/051000

Inventors: Rebecca Grange, John Allingham, Andrew Craig, Andrew Evans and Madhu Aeluri

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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

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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 C₂-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 Expedient Synthesis of Biologically Important Natural Products” award lecture presented at the 1999 Chemistry Scholar Awards, GlaxoWellcome Pharmaceuticals, NC, October 1, 1999.

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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 Organic Synthesis" 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.

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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.

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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.

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71. D. Uraguchi and P. A. Evans, “TpRh(C₂H₅)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.

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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.

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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 Complex Terpene 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 SICCC-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.

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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 α -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.

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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 α -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 Methylene cyclopropanes 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 Dienes” 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.

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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.

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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 Expedient 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 Alkenylidencyclopropanes: Application to the Total Synthesis of (–)- α -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.

Résumé of P. Andrew Evans

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.

Résumé of P. Andrew Evans

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, July 10-13, 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.

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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.

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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.

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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.

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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 β -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 β -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 β,γ -Unsaturated α -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. 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.

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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.

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. Lafayette 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.

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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.

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51. Virginia Commonwealth University, Richmond, VA, February 4, 1999.
52. Lycoming College, Williamsport, PA, February 12, 1999.
53. Rhone-Poulenc Rorer, Collegetown, 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.

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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.

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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. Beijing 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.

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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 Gainesville, 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 Gainesville, FL, November 5, 2004.

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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.

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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, USA, March 28, 2007.
195. Syngenta, Basel, CH, April 19, 2007.
196. Wyeth Research, Princeton, NJ, USA, May 30, 2007.
197. Novartis, Emeryville, CA, USA, August 15, 2007.
198. Novartis, Boston, MA, USA, August 17, 2007.
199. Rutgers, The State University of New Jersey, Piscataway, NJ, USA, 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.

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219. University College Dublin, Dublin, IE, November 20, 2008.
220. University of California, Berkeley, CA, US, 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. Institute of Chemistry 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 Ingelheim, 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.

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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. Queens 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.

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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. Institute of Chemistry, Chinese Academy of Sciences, 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.

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303. Lebanon Valley College, Annville, PA, February 21, 2017.
304. Franklin & Marshall College, Lancaster, PA, February 22, 2017.
305. Ursinus College, Colledgeville, 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.

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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.

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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*).