Brian M. Stoltz

University Address:
Division of Chemistry and Chemical Engineering
California Institute of Technology, M/C 101-20
1200 East California Boulevard
Pasadena, CA 91125
tel. (626)395-6064
FAX (626)564-9297

Position:

California Institute of Technology, Pasadena, CA
Professor of Chemistry, February 2007 to Present

Training:

Harvard University, Cambridge, MA
National Institutes of Health Post-doctoral fellow, January 1998 to July 2000

Education:

Yale University, New Haven , CT
Ph. D. in Organic Chemistry, May 1997
Master of Science Degree in Organic Chemistry, December 1996

Indiana University of Pennsylvania, Indiana, PA
Bachelor of Science Degree in Chemistry, May 1993
Bachelor of Arts Degree in German, May 1993
Summa Cum Laude

Ludwig Maximillians University, Munich, Germany
Foreign Guest Student, 1992

Professional and Academic Research Experience:

Professor of Chemistry: California Institute of Technology, Pasadena, CA
February 2007 to present

Graduate Option Representative for Chemistry: California Institute of Technology, Pasadena, CA
July 2013 to present

Executive Officer for Chemistry: California Institute of Technology, Pasadena, CA
October 2010 to December 2012

Ethel Wilson Bowles and Robert Bowles Professor of Chemistry: California Institute of Technology, Pasadena, CA
November 2007 to December 2012

Associate Professor of Chemistry: California Institute of Technology, Pasadena, CA
December 2005 to January 2007

Assistant Professor of Chemistry: California Institute of Technology, Pasadena, CA
July 2000 to December 2005
-The development of new strategies and tactics for the chemical synthesis of structurally complex molecules.

National Institutes of Health Postdoctoral Research Fellow: Harvard University, Cambridge, MA
January 1998 to July 2000
-Developed new methodology for the construction of complex molecules, including the Withanolide class of steroidal natural products, under the direction of Professor E. J. Corey.

Teaching Fellow: Harvard University, Cambridge, MA
September 1998 to January 1999
-Assisted the teaching of Chemistry 115, the graduate level synthetic methods course.

Postdoctoral Research Fellow: Yale University, New Haven, CT
March 1997 to December 1997
-Performed postdoctoral research in the area of natural products total synthesis, specifically the total synthesis of the Multiple Drug Resistance reversing Welwitindolinones, under the direction of Professor J. L. Wood.

Graduate Research Assistant: Yale University, New Haven, CT
November 1993 to May 1997
-Developed concise total syntheses of the protein kinase C inhibitors Staurosporine and K252a, as a graduate student in the group of Professor J. L. Wood.

Residential College Math & Science Tutor: Yale University, New Haven, CT

September 1996 to December 1997
-Tutored Organic and General Chemistry to undergraduate residents of Jonathan Edwards College.

Teaching Assistant: Yale University, New Haven, CT
September 1994 to May 1996
-Assisted in the teaching of graduate level organic synthesis courses.
September 1993 to May 1994
-Instructed two sections of undergraduate organic chemistry lab.

Undergraduate Research Assistant: Indiana University of Pennsylvania, Indiana, PA
September 1992 to May 1993
-Performed independent undergraduate research in the field of organic synthesis, under the guidance of Professor J. T. Wood.

Pre-Professional Student Intern: Bayer/ Mobay Pre-Professional Internship, Leverkusen, Germany
June to September 1991
-Performed laboratory research in the central research facility of Bayer AG, serving as a research assistant in an organic synthesis group.

Honors and Awards:

-Fellow of the American Chemical Society, July 2019
-Chemical Society Reviews, Guest co-Editor, New Directions in Natural Product Synthesis, October 2018
-2018 American Chemical Society, Award for Creative Work in Synthetic Organic Chemistry, August 2017
-2017 John C. Cornforth Lecturer, University of Sydney, Sydney, Australia, September 2017
-2017 Eun Lee Lectureship, Seoul National University, August 2017
-2017 Richard P. Feynman Prize for Excellence in Teaching, California Institute of Technology, May 2017
-2015-2016 A. H. Blatt Distinguished Lecturer, Florida Institute of Technology, Melbourne, FL, March 2016
-2015 Mukaiyama Award, Society of Synthetic Organic Chemistry, Japan, September 2014
-2014 John Eisch Lectureship in Organic Synthesis at Binghamton University, November 2014
-International Organic Chemistry Foundation Lectureship Award, Kyoto and Osaka Universities, April 2013
-Japan Society for the Promotion of Science (JSPS) short term visiting fellowship, April 2013.
-Nankai University Lectureship, Nankai University, Tianjin, China, March 2012
-R. C. Fuson Visiting Professorship, University of Illinois at Urbana-Champaign, Urbana, IL, October 2011
-Caltech Academics and Research Committee (ARC) Professor of the Month, October 2011
-Lester S. Andrews Lecturer, Mississippi State University, Starkville, Mississippi, May 2011
-Herbert C. Brown Lecturer in Organic Chemistry, Purdue University, West Lafayette, Indiana, April 2011
-Ta-shue Chou Lectureship Award, The Ta-shue Chou Foundation in conjunction with the Institute of Chemistry, Academia Sinica, Taipei, Taiwan, February 2011
-Israel Chemical Society, Honorary Lifetime Member, 2010
-Schulich Visiting Professor Lectureship, Technion-The Israel Institute of Technology, Haifa, Israel, 2010
-Tetrahedron Young Investigator Award in Organic Chemistry, 2010
-Teva USA Scholar Awardee, 2009-2012
-Givaudan-Karrer Distinguished Visiting Professor, Universität Zürich, 2009
-Raymond and Beverly Sackler Prize in the Physical Sciences-Chemistry, 2009
-Elias J. Corey Award from the American Chemical Society, 2009
-KAUST Global Research Partnership, Investigator, 2008
-Abbott Laboratories Excellence in Chemistry Award, 2007
-Elected as a Fellow of the American Association for the Advancement of Science (AAAS), 2006
-Indiana University of Pennsylvania College of Natural Sciences and Mathematics Alumni Ambassador Award, 2006
-The Associated Students of the California Institute of Technology 30th Annual Award for Excellence in Teaching, 2006
-Arthur C. Cope Scholar Award from the American Chemical Society, 2005
-Camille and Henry Dreyfus Teacher-Scholar Award, May 2005
-2005 Bristol-Myers Squibb Freedom to Discover Award-Unrestricted Grant in Synthetic Organic Chemistry
-Tetrahedron Asymmetry Special Issue-Asymmetric Oxidation Guest Editor with Matthias Beller, 2005
-Presidential Early Career Award in Science and Engineering (PECASE), 2004 (for 2002)
-Novartis Chemistry Lectureship, 2004-2005
-AstraZeneca, Excellence in Chemistry Award, 2004
-Roche, Excellence in Chemistry Award, 2004
-Gerhard Closs Lectureship, University of Chicago, 2004
-Boehringer Ingelheim New Faculty Award, 2004
-Merck Research Laboratories Chemistry Council Research Award, 2000, 2001, 2002, 2004, 2005

-Eli Lilly Grantee, 2004, 2005
-Inaugural 21st Century of Excellence (COE) Visiting Professor, Dept. of Chem., Univ. of Tokyo, Japan, Summer 2003
-Research Corporation Cottrell Scholars Award, 2003
-Amgen Young Investigator Award, 2003
-Tetrahedron Symposium-in-Print Guest Editor, 2003: New Synthetic Methods
-Johnson and Johnson Focused Giving Awardee, 2003, 2004 and 2005
-Alfred P. Sloan Research Fellow, 2003-2005
-Pfizer Research Laboratories Creativity in Synthesis Award, 2003 and 2004
-GlaxoSmithKline Chemistry Scholar Award, 2002 and 2003
-Abbott Laboratories New Faculty Award, 2002 and 2003
-Abbott Laboratories Lecturer, Montana State University, 2002
-Thieme Chemistry Journals Award, 2001
-National Science Foundation 2002 CAREER Award, November 2001
-Research Corporation 2002 Research Innovation Award, November 2001
-American Chemical Society Petroleum Research Fund Type G Award, November 2001
-Caltech Graduate Student Council Classroom Teaching Award, June 2001
-Caltech Graduate Student Council Mentoring Award, June 2001
-Camille and Henry Dreyfus New Faculty Award, July 2000
-National Institutes of Health Postdoctoral Fellowship, January 1998
-Wolfgang Prize for the outstanding thesis in chemistry, Yale University, May 1997
-American Chemical Society Division of Organic Chemistry Fellow, Fall 1996
-Boehringer Ingelheim Fellow, Yale University, Summer 1996
-Bayer Fellow, Yale University, Spring 1996
-W.R. Grace Fellow, Yale University, Spring 1995
-Miles Fellow, Yale University, Fall 1994 and Fall 1995
-Cooke Teaching Award, Department of Chemistry Yale University, 1993-1994 academic year
-Samuel K. Bushnell Fellowship, Yale University, 1993-1994 academic year
-Summa Cum Laude, Indiana University of Pennsylvania, May 1993
-Society for Analytical Chemists of Pittsburgh College Chemistry Award recipient, May 1993
-Indiana University of Pennsylvania Chemistry Department Achievement Award 1989-1993
-McFarland Scholarship, Indiana University of Pennsylvania, 1990-1991 academic year

Service and Consulting (current):

-Materia, Pasadena, CA. Member, Scientific Advisory Board, 2000-Present
-Cytokinetics, South San Francisco, CA. Member, Scientific Advisory Board, 2007-Present
-Beckman Institute, Caltech, Executive Committee, 2008-Present
-Medicinal Chemistry and Pharmacology (MCP) Program at the University of California, Irvine, External Advisory Committee member, 2009-Present
-Givaudan, Consultant, 2009-present
-*Chemical Science*, Advisory Editorial Board, 2010-present
-*Beilstein Journal of Organic Chemistry*, Associate Editor, 2010-Present
-*Tetrahedron Publications*, Executive Board of Editors, 2010-Present
-*Tetrahedron*, Reports Editor, 2010-Present
-*Tetrahedron Letters*, Digest Editor, 2013-Present
-*Science of Synthesis*, Knowledge Update Volume Editor for Volume 1 on Palladium, 2010-Present
-*Advanced Synthesis and Catalysis*, member of the Academic Advisory Board, 2011-Present
-*ChemistryOpen*, member of the Editorial Advisory Board, 2011-Present
-Suterra, Bend, OR. Consultant, 2011-Present
-Novartis Institutes for Bio Medical Research, Emeryville, CA. Consultant, 2012-Present
-*European Journal of Organic Chemistry*, member of the International Editorial Advisory Board, 2014-Present
-Member of the City of Hope Comprehensive Cancer Center, Developmental Cancer Therapeutics Program, 2015-Present
-Caltech Varsity Baseball Faculty Liaison, 2017-Present
-San Marino Unified School District, Academic Advisory Council, 2017-Present
-Caltech Liaison to the City of Hope Cancer Center, 2017-Present
-1200 Pharma LLC, Pasadena, CA. Co-Founder and Member of the Board, 2017-Present.
-*Journal of the Chinese Chemical Society,* member of the International Editorial Advisory Board, 2018-Present
-Faculty Board, California Institute of Technology, elected member, 2018-Present
-*Organic Syntheses*, Member of the Advisory Board, 2018-Present
-Faculty Board, California Institute of Technology, elected member, 2018-Present
-President's Diversity Council, Caltech 2018-Present

-Holoclara, Scientific Advisory Board, 2019-Present
-TORL Biotherapeutics LLC, Scientific Advisory Board, 2019-Present
-Novick Biosciences, Scientific Advisory Board, 2019-Present

Service and Consulting (past):

-Achaogen, South San Francisco, CA. Consultant, 2007-2019
-Interim Chair of the Caltech President's Diversity Council, Caltech, September 2018-2019
-3-V Biosciences, Menlo Park, CA. Consultant, 2013-2019
-National Science Foundation, proposal review committee member, 2019
-*Organic Syntheses*, Volume Editor, Volume 95, 2018
-*Organic Syntheses*, Member of the Board of Editors, 2010-2018
-National Institutes of Health Center for Scientific Review, SBCB study section member, 2011-2017
-Conference Chair, 18th Tetrahedron Symposium, Budapest, Hungary, June 27-30, 2017
-Conference Chair, 18th Tetrahedron Symposium – Asian Edition, Melbourne, Australia, July 24-26, 2017
-American Chemical Society, Elected Councilor to represent the ACS Division of Organic Chemistry, 2015-2018
-American Chemical Society, Division of Organic Chemistry Executive Committee, Councilor, 2014-2018
-Amyris, Consultant, 2010-2015
-American Chemical Society, Division of Organic Chemistry Executive Committee, elected Member-at-Large, 2011-2014
-National Science Foundation, Graduate Research Fellowship Program review panelist, 2014
-10th International Symposium on Carbanion Chemistry, International Advisory Board, 2012-2013
-Vertex, Cambridge, MA. Consultant, 2004-2013
-*ACS Catalysis*, Advisory Editorial Board, 2011-2013
-Executive Officer for Chemistry, California Institute of Chemistry, 2010-2012
-American Chemical Society, Division of Organic Chemistry Election Nominating Committee, 2012
-Faculty Board, California Institute of Technology, elected member, 2004-2012
-American Association for the Advancement of Science (AAAS), Chemistry Section, Electorate Nominating Committee, elected member, 2009-2012
-Neupharma, Consultant, 2010-2012
-Infinity Pharmaceuticals, Cambridge, MA. Consultant, 2009-2011
-*Organic and Biomolecular Chemistry*, Editorial Board Member, 2008-2011
-National Institutes of Health Center for Scientific Review, BCMB ad hoc study section member (May 2010)
-Ironwood Pharmaceuticals, Cambridge, MA. Member, Scientific Advisory Board, 2004-2010
-*Tetrahedron* Board of Consulting Editors, 2008-2010
-*Tetrahedron Letters* Board of Consulting Editors, 2008-2010
-American Chemical Society, Division of Organic Chemistry Fellowship Chair, 2007-2009
-National Institutes of Health Center for Scientific Review, SBCB ad hoc study section member (Feb 2009)
-Polyphor, Basel, Switzerland. Consultant, 2006-2009

Society Memberships:

-American Chemical Society, member since 1998
-Gesellschaft Deutscher Chemiker, member since 2000
-International Society of Heterocyclic Chemistry, member since 2014
-Israel Chemical Society, Honorary Lifetime Member, 2010

Publications:
Independent (2000-present):

273. Iridium-Catalyzed Enantioselective and Diastereoselective Hydrogenation of 1,3-Disubstituted Isoquinolines. Alexia N. Kim, Aurapat Ngamnithiporn, Eric R. Welin, Martin T. Daiger, Christian U. Grünanger, Michael D. Bartberger, Scott C. Virgil, and Brian M. Stoltz. *ACS Catal.* **2020**, *10*, 3241-3248.

272. Enantioselective Synthesis of 15-Deoxy-$\Delta^{12,14}$-Prostaglandin J_2. Jiaming Li, Brian M. Stoltz, and Robert H Grubbs. *Org. Lett.* **2019**, *21*, 10139-10142.

271. Cu-Catalyzed Enantioselective Allylic Alkylation with a γ-Butyrolactone-Derived Silyl Ketene Acetal. Carina I. Jette, Z. Jaron Tong, Ryan G. Hadt, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2020**, *59*, 2033-2038.

270. Enantioselective Alkynylation of Trifluoromethyl Ketones Catalyzed by Cation-Binding Salen Nickel Complexes. Dongseong Park, Carina I. Jette, Jiyun Kim, Woo-Ok Jung, Yongmin Lee, Jongwoo Park, Seungyoon Kang, Min Su Han, Brian M. Stoltz, and Sukwon Hong. *Angew. Chem. Int. Ed.* **2020**, *59*, 775-779.

269. Progress Toward the Enantioselective Synthesis of Curcusones A–D via a Divinylcyclopropane Rearrangement Strategy. Austin C. Wright, Chung Whan Lee, and Brian M. Stoltz. *Org. Lett.* **2019**, *21*, 9658-9662.

268. Palladium-Catalyzed Enantioselective Decarboxylative Allylic Alkylation of Protected Benzoin-Derived Enol Carbonates. Rémi Lavernhe, Eric J. Alexy, Haiming Zhang, and Brian M. Stoltz. *Adv. Synth. Catal.* **2020**, *362*, 344-347. Invited contribution to a special issue dedicated to Professor Eric N. Jacobsen on the occasion of his 60th birthday.

267. Palladium-Catalyzed Decarboxylative Asymmetric Allylic Alkylation of 1,4-diazepan-5-ones. Zachary P. Sercel, Alexander W. Sun, Brian M. Stoltz. *Org. Lett.* **2019**, *21*, 9158-9161.

266. Synthesis of non-natural cyanthiwigin–gagunin hybrids through late-stage diversification of the cyanthiwigin natural product core. Kelly E. Kim, Yuka Sakazaki, and Brian M. Stoltz. *Tetrahedron* **2019**, *75*, 130755.

265. Stereospecific Overman Rearrangement of Substituted Cyclic Vinyl Bromides: Access to Fully Substituted α-Amino Ketones. Álvaro Velasco-Rubio, Eric J. Alexy, Makoto Yoritate, Austin C. Wright, and Brian M. Stoltz. *Org. Lett.* **2019**, *21*, 8962-8965.

264. Enantioselective Construction of the Tricyclic Core of Curcusones A–D via a Cross-electrophile Coupling Approach. Austin C. Wright and Brian M. Stoltz. *Chem. Sci.* **2019**, *10*, 10562-10565.

263. A Small-scale Procedure for Acid-catalyzed Ketal Formation. Austin C. Wright, Yun Emily Du, and Brian M. Stoltz. *J. Org. Chem.* **2019**, *84*, 11258-11260.

262. Incorporation of a chiral gem-disubstituted nitrogen heterocycle yields an oxazolidinone antibiotic with reduced mitochondrial toxicity. Alexander W. Sun, Philip L. Bulterys, Michael D. Bartberger, Peter A. Jorth, Brendan M. O'Boyle, Scott C. Virgil, Jeff F. Miller, and Brian M. Stoltz. *Bioorg. Med. Chem. Lett.* **2019**, *29*, 2686-2689.

261. Palladium-catalyzed α,β-dehydrogenation of acyclic ester equivalents promoted by a novel electron deficient phosphinooxazoline ligand. Tyler J. Fulton, Brenda Wu, Eric J. Alexy, Haiming Zhang, and Brian M. Stoltz. *Tetrahedron* **2019**, *75*, 4104-4109. Invited contribution to the special *Tetrahedron* issue in celebration of Professor John F. Hartwig's 2018 Tetrahedron Prize.

260. Modularity: Adding New Dimensions to Total Synthesis. Alexander W. Sun, Sebastian Lackner, and Brian M. Stoltz. *Trends in Chemistry* **2019**, *1*, 630-643.

259. Unified Enantioselective, Convergent Synthetic Approach Toward the Furanobutenolide-Derived Polycyclic Norcembranoid Diterpenes: Synthesis of a Series of Ineleganoloids by Oxidation State Manipulation of the Carbocyclic Core. Robert A. Craig, II, Russell C. Smith, Jennifer L. Roizen, Amanda C. Jones, Scott C. Virgil, and Brian M. Stoltz. *J. Org. Chem.* **2019**, *84*, 7722-7746.

258. Palladium-Catalyzed Enantioselective Decarboxylative Allylic Alkylation of Fully Substituted *N*-Acyl Indole-Derived Enol Carbonates. Eric J. Alexy, Tyler J. Fulton, Haiming Zhang, and Brian M. Stoltz. *Chem. Sci.* **2019**, *10*, 788-792.

257. Characterization of reactive organometallic species via MicroED. Christopher Jones, Matthew Asay, Lee Joon Kim, Jack Kleinsasser, Ambarneil Saha, Tyler J. Fulton, Kevin Berkley, Duilio Cascio, Andrey Malyutin, Matthew Conley, Brian M. Stoltz, Vincent LaVallo, Jose A. Rodriguez, and Hosea Nelson**.** *ACS Cent. Sci.* **2019**, *5*, 1507–1513. This manuscript was deposited to the ChemRXiv preprint server on February 4, 2019.

256. Discussion Addendum for: The Direct Acyl-Alkylation of Arynes. Preparation of Methyl 2-(2-acetylphenyl)acetate. Austin C. Wright and Brian M. Stoltz. *Org. Synth.* **2019**, *96*, 80–97.

255. An Unexpected Ireland–Claisen Rearrangement Cascade During the Synthesis of the Tricyclic Core of Curcusone C: Mechanistic Elucidation by Trial-and-Error and Automatic Artificial Force-Induced Reaction (AFIR) Computations. Chung Whan Lee, Buck L. H. Taylor, Galina P. Petrova, Ashay Patel, Keiji Morokuma, K. N. Houk, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2019**, *141*, 6995-7004.

254. Development of a catalytic enantioselective synthesis of the guanacastepene and heptemerone tricyclic core. Andrew M. Harned and Brian M. Stoltz. *Tetrahedron* **2019**, *75*, 3166-3177. Invited contribution to the special *Tetrahedron* issue in celebration of Professor Ryan A. Shenvi's 2019 Tetrahedron Young Investigator Prize.

253. Cycloadditions of Oxacyclic Allenes and a Catalytic Asymmetric Entryway to Enantioenriched Cyclic Allenes. Michael M. Yamano, Rachel R. Knapp, Aurapat Ngamnithiporn, Melissa Ramirez, Kendall N. Houk, Brian M. Stoltz, and Neil K. Garg. *Angew. Chem. Int. Ed.* **2019**, *58*, 5653-5657.

252. Palladium−Catalyzed Construction of Quaternary Stereocenters by Enantioselective Arylation of γ−Lactams with Aryl Chlorides and Bromides. Carina Jette, Irina Geibel, Shoshana Bachman, Masaki Hayashi, Shunya Sakurai, Hideki Shimizu, Jeremy B. Morgan, and Brian Stoltz. *Angew. Chem. Int. Ed.* **2019**, *58*, 4297-4301.

251. Intramolecular Hydrogen Shift Chemistry of Hydroperoxy-Substituted Peroxy Radicals. Eric Praske, Rasmus V. Otkjær, John D. Crounse, J. Caleb Hethcox, Brian M. Stoltz, Henrik G. Kjaergaard, and Paul O. Wennberg. *J. Phys. Chem. A*, **2019**, *123*, 590-600.

250. A Catalytic, Asymmetric Total Synthesis of (–)-Jorunnamycin A and (–)-Jorumycin. Eric R. Welin, Aurapat Ngamnithiporn, Max Klatte, Guillaume Lapointe, Gerit M. Pototschnig, Martina S. J. McDermott, Dylan Conklin, Christopher D. Gilmore, Pamela M. Tadross, Christopher K. Haley, Kenji Negoro, Emil Glibstrup, Christian U. Grünanger, Kevin M. Allan, Scott C. Virgil, Dennis J. Slamon and Brian M. Stoltz. *Science*, **2019**, *363*, 270-275.

249. Concise Syntheses of D^{12}-Prostaglandin J Natural Products via Stereoretentive Metathesis. Jiaming Li, Tonia S. Ahmed, Chen Xu, Brian M. Stoltz, and Robert H. Grubbs. *J. Am. Chem. Soc.* **2019**, *141*, 154–158.

248. Discussion Addendum for: Preparation of (*S*)-tert-ButylPHOX and (*S*)-2-Allyl-2-Methylcyclohexanone. Alexander W. Sun and Brian M. Stoltz. *Org. Synth.* **2018**, *95*, 439–454.

247. The CryoEM Method MicroED as a Powerful Tool for Small Molecule Structure Determination. Christopher G. Jones, Michael W. Martynowycz, Johan Hattne, Tyler J. Fulton, Brian M. Stoltz, Jose A. Rodriguez, Hosea M. Nelson, and Tamir Gonen. *ACS Cent. Sci.* **2018**, *4*, 1587–1592. This manuscript was deposited to the ChemRXiv preprint server on October 16, 2018.

246. Enantioselective Synthesis of gem-Disubstituted N-Boc Diazaheterocycles via Decarboxylative Asymmetric Allylic Alkylation. Alexander W. Sun, Stephan N. Hess and Brian M. Stoltz. *Chem. Sci.* **2019**, *10*, 788-792.

245. Catalyst-Controlled Selective Functionalization of Unactivated C−H Bonds in the Presence of Electronically Activated C−H Bonds. Wenbin Liu, Zhi Ren, Aaron T. Bosse, Kuangbiao Liao, Elizabeth L. Goldstein, John Basca, Djamaladdin G. Musaev, Brian M. Stoltz, and Huw M. L. Davies. *J. Am. Chem. Soc.* **2018**, *140*, 12247–12255.

244. Palladium-Catalyzed Enantioselective Csp3–Csp3 Cross-Coupling for the Synthesis of (Poly)fluorinated Chiral Building Blocks. Yanhui Lu, Elizabeth L. Goldstein, and Brian M. Stoltz. *Org. Lett.* **2018**, *20*, 5657–5660.

243. Synergistic O3 + OH oxidation pathway to extremely low-volatility dimers revealed in β-pinene secondary organic aerosol. Christopher M. Kenseth, Yuanlong Huang, Ran Zhao, Nathan F. Dalleska, J. Caleb Hethcox, Brian M. Stoltz, and John H. Seinfeld. *Proc. Natl. Acad. Sci. U S A* **2018**, *115*, 8301-8306.

242. Intermolecular Stereoselective Iridium-Catalyzed Allylic Alkylation: An Evolutionary Account. Samantha E. Shockley, J. Caleb Hethcox, and Brian M. Stoltz. *Synlett* **2018**, *29*, 2481–2492.

241. General and Practical KOMe/Disilane-Mediated Dehalogenative Deuteration of (Hetero)Arylhalides. Xin Wang, Ming-Hui Zhu, David P Schuman, Dayou Zhong, Wen-Yan Wang, Lin-Yang Wu, Wei Liu, Brian M. Stoltz, and Wen-Bo Liu. *J. Am. Chem. Soc.* **2018**, *140,* 10970–10974.

240. Catalytic Enantioselective Synthesis of Acyclic Quaternary Centers: Palladium-Catalyzed Decarboxylative Allylic Alkylation of Fully Substituted Acyclic Enol Carbonates. Eric J. Alexy, Haiming Zhang, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2018**, *140* , 10109–10112.

239. Short Enantioselective Formal Synthesis of (–)-Platencin. Christian Defieber, Justin T. Mohr , Gennadii A. Grabovyi, and Brian M. Stoltz. *Synthesis* **2018**, *50,* 4539–4368. *Invited contribution to a special issue* Dedicated to Professor Scott E. Denmark on the occasion of his 65th birthday.

238. Total Synthesis of the Norhasubanan Alkaloid Stephadiamine. Nina Hartrampf, Nils Winter, Gabriele Pupo, Brian M. Stoltz, and Dirk Trauner. *J. Am. Chem. Soc.* **2018**, *140*, 8675–8680.

237. Enantioselective Synthesis of Vicinal All-Carbon Quaternary Centers via Iridium-Catalyzed Allylic Alkylation. J. Caleb Hethcox, Samantha E. Shockley, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2018**, *57*, 8664–8667.

236. Enantioselective palladium-catalyzed allylic alkylation reactions in the synthesis of Aspidosperma and structurally related monoterpene indole alkaloids. Beau P. Pritchett and Brian M. Stoltz. *Nat. Prod. Rep.* **2018**, *35*, 559–574.

235. Development of a Unified Enantioselective, Convergent Synthetic Approach Toward the Furanobutenolide-Derived Polycyclic Norcembranoid Diterpenes: Asymmetric Formation of the Polycyclic Norditerpenoid Carbocyclic Core by Tandem Annulation Cascade. Robert A. Craig, II, Russell C. Smith, Jennifer L. Roizen, Amanda C. Jones, Scott C. Virgil, and Brian M. Stoltz. *J. Org. Chem.* **2018**, *83*, 3467–3485.

234. Nickel-Catalyzed Enantioselective Allylic Alkylation of Lactones and Lactams with Unactivated Allylic Alcohols. Fa Ngamnithiporn, Carina Jette, Shoshana Bachman, Scott Virgil, and Brian M. Stoltz. *Chem. Sci.* **2018**, *9*, 2547–2551.

233. The Cyanthiwigin Natural Product Core as a Complex Molecular Scaffold for Comparative Late-Stage C–H Functionalization Studies. Kelly E. Kim, Ashley M. Adams, Nicholas D. Chiappini, J. Du Bois, and Brian M. Stoltz. *J. Org. Chem.* **2018**, *83*, 3023–3033.

232. Wolff/Cope Approach to the AB Ring of the Sesterterpenoid Variecolin. Michael R Krout, Christopher Edwin Henry, Thomas Jensen, Kun-Liang (Phil) Wu, Scott C Virgil, and Brian M. Stoltz. *J. Org. Chem.* **2018**, *83*, 6995–7009.

231. Atmospheric autoxidation is increasingly important in urban and suburban North America. Eric Praske, Rasmus V. Otkjær, John D. Crounse, J. Caleb Hethcox, Brian M. Stoltz, Henrik G. Kjaergaard, and Paul O. Wennberg. *PNAS* **2018**, *115*, 64-69.

230. Isocanthine Synthesis via Rh(III)-Catalyzed Intramolecular C–H Functionalization. Anthony Y. Chen, Qianqian Lu, Yao Fu, Richmond Sarpong, Brian M. Stoltz, and Haiming Zhang. *J. Org. Chem.* **2018**, *83*, 330–337.

***229.** Stoltz, B. M.; Wright, A. C.; Ebner, D. C.; Park, N., *Science of Synthesis: Catalytic Oxidation in Organic Synthesis*, (2017) **1**, 569.

228. Catalytic Reduction of Alkyl and Aryl Bromides Using Isopropanol. Michael C. Haibach, Brian M. Stoltz, and Robert H. Grubbs. *Angew. Chem. Int. Ed.* **2017**, *56*, 15123-15126.

227. Model Studies to Access the [6,7,5,5]-Core of Ineleganolide Using Tandem Translactonization-Cope or Cyclopropanation-Cope Rearrangements as Key Steps, Jennifer L. Roizen, Amanda C. Jones, Russell C. Smith, Scott C. Virgil, and Brian M. Stoltz. *J. Org. Chem.* **2017**, *82*, 13051–13067.

226. Sequential Ruthenium Catalysis for Olefin Isomerization and Oxidation: Application to the Synthesis of Unusual Amino Acids. Marc Liniger, Yiyang Liu, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2017**, *139*, 13944-13949.

225. Enantioselective Pd-Catalyzed Decarboxylative Allylic Alkylation of Thiopyranones. Access to Acyclic, Stereogenic α-Quaternary Ketones. Eric J. Alexy, Scott C. Virgil, Michael D. Bartberger, and Brian M. Stoltz. *Org. Lett.* **2017**, *19*, 5007-5009.

224. Enantioselective Catalysis Coupled with Stereodivergent Cyclization Strategies Enables Rapid Syntheses of (+)-Limaspermidine and (+)-Kopsihainanine A. Beau P. Pritchett, Etienne J. Donckele, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2017**, *56*, 12624-12627.

223. Enantioselective Synthesis of Acyclic α-Quaternary Carboxylic Acid Derivatives via Iridium-Catalyzed Allylic Alkylation. Samantha E. Shockley, J. Caleb Hethcox, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2017**, *56*, 11545–11548.

***222. Asymmetric Synthesis of Quaternary Stereocenters via Metal Enolates**, Katerina M. Korch, Steven A. Loskot, and Brian M. Stoltz. In *Patai's Chemistry of Functional Groups*, 2017. pp. 1-85.

221. Asymmetric Synthesis of All-Carbon Quaternary Spirocycles via a Catalytic Enantioselective Allylic Alkylation Strategy. Samantha E. Shockley, J. Caleb Hethcox, and Brian M Stoltz. *Tetrahedron Lett.* **2017**, *58*, 3341-3343.

220. Progress Toward the Total Synthesis of Hamigerans C and D: A Direct Approach to an Elaborated 6-7-5 Carbocyclic Core. Douglas C. Duquette, Thomas Jensen, and Brian M. Stoltz. *J. Antibiot.* **2017**, *71*, 263–267. . *Invited contribution to a special issue* Dedicated to Professor K.C. Nicolaou.

219. Enantioselective Total Synthesis of Nigelladine A via Late-Stage C–H Oxidation Enabled by an Engineered P450 Enzyme. Steven A. Loskot, David K. Romney, Frances H. Arnold, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2017**, *139*, 10196-10199.

218. Enantioselective Construction of Acyclic Quaternary Carbon Stereocenters: Palladium-Catalyzed Decarboxylative Allylic Alkylation of Fully-Substituted Amide Enolates. Pavel Starkov, Jared T. Moore, Douglas C. Duquette, Brian M. Stoltz, Ilan Marek. *J. Am. Chem. Soc.* **2017**, *139*, 9615-9620.

217. Polycyclic Furanobutenolide-Derived Cembranoid and Norcembranoid Natural Products: Biosynthetic Connections and Synthetic Efforts. Robert A. Craig, II and Brian M. Stoltz. *Chem. Rev.* **2017**, *117*. 7878-7909.

216. Ionic and Neutral Mechanisms for C–H Bond Silylation of Aromatic Heterocycles Catalyzed by Potassium *t*-Butoxide. Shibdas Banerjee, Yun-Fang Yang, Ian D. Jenkins, Yong Liang, Anton A. Toutov, Wen-Bo Liu, David P. Schuman, Robert H. Grubbs, Brian M. Stoltz, Elizabeth H. Krenske, K. N. Houk, Richard N. Zare, *J. Am. Chem. Soc.* **2017**, *139*, 6880-6887.

215. KO*t*-Bu-Catalyzed Dehydrogenative C–H Silylation of Heteroaromatics: A Combined Experimental and Computational Mechanistic Study. Wen-Bo Liu, David P. Schuman, Yun-Fang Yang, Anton A. Toutov, Yong Liang, Hendrik F. T. Klare, Nasri Nesnas, Martin Oestreich, Donna G. Blackmond, Scott C. Virgil, Shibdas Banerjee, Richard N. Zare, Robert H. Grubbs, K. N. Houk, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2017**, *139*, 6867-6879.

214. Enantioselective Iridium-Catalyzed Allylic Alkylation Reactions of Masked Acyl Cyanide Equivalents. J. Caleb Hethcox, Samantha E. Shockley, and Brian M. Stoltz. *Org. Lett.* **2017**, *19*, 1527-1529.

213. A Fischer Indolization Strategy toward the Total Synthesis of (–)-Goniomitine. Beau P. Pritchett, Jun Kikuchi, Yoshitaka Numajiri, and Brian M. Stoltz. *Heterocycles* **2017**, *95*, 1245-1253.

212. Oxidative Fragmentations and Skeletal Rearrangements of Oxindole Derivatives. Hendrik F. T. Klare, Alexander F. G. Goldberg, Douglas C. Duquette, and Brian M. Stoltz. *Org. Lett.* **2017**, *19*, 988-991.

211. Advances in Stereoconvergent Catalysis from 2005 to 2015: Transition-Metal-Mediated Stereoablative Reactions, Dynamic Kinetic Resolutions, and Dynamic Kinetic Asymmetric Transformations. Vikram Bhat, Eric R. Welin, Xuelei Guo, and Brian M. Stoltz. *Chem. Rev.* **2017**, *117*. 4528-4561.

210. Alkali metal hydroxide–catalyzed C(*sp*)–H bond silylation. Anton A. Toutov, Kerry N. Betz, David P. Schuman, Wen-Bo Liu, Alexey Fedorov, Brian M. Stoltz, and Robert H. Grubbs. *J. Am. Chem. Soc.* **2017**, *139*, 1688-1674.

209. Single-step synthesis of 3-hydroxycarbazoles by annulation of electron-rich anilines and quinones. Eugenia Pushkarskaya, Brian Wong, Chong Han, Simona Capomolla, Chunang Gu, Brian M. Stoltz, and Haiming Zhang. *Tetrahedron Lett.* **2016**, *57*, 5653-5657.

208. Iridium-Catalyzed Stereoselective Allylic Alkylation Reactions with Crotyl Chloride. J. Caleb Hethcox, Samantha E. Shockley, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2016**, *55*, 16092-16095.

207. A Second-Generation Synthesis of the Cyanthiwigin Natural Product. Kelly E. Kim and Brian M. Stoltz. *Org. Lett.* **2016**, *18*, 5720-5723.

206. Palladium-Catalyzed Aerobic Intramolecular Aminoacetoxylation of Alkenes Enabled by Catalytic Nitrate. Jiaming Li, Robert H. Grubbs, and Brian M. Stoltz. *Org. Lett.* **2016**, *18*, 5449-5451.

205. Catalytic Anti-Markovnikov Transformations of Hindered Terminal Alkenes Enabled by Aldehyde-Selective Wacker-Type Oxidation. Kelly E. Kim, Jiaming Li, Robert H. Grubbs, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2016**, *138*, 13179-13182.

204. Enantioselective Pd-Catalyzed Allylic Alkylation Reactions of Dihydropyrido[1,2-a]indolone Substrates: Efficient Syntheses of (−)-Goniomitine, (+)-Aspidospermidine, and (−)-Quebrachamine. Beau P. Pritchett, Jun Kikuchi, Yoshitaka Numajiri, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2016**, *55*, 13529-13532.

203. Enantioconvergent catalysis. Justin T. Mohr, Jared T. Moore, and Brian M. Stoltz. *Beilstein J. Org. Chem.* **2016**, *12*, 2038-2045.

202. Potassium tert-Butoxide–Catalyzed Dehydrogenative Cross-Coupling of Heteroarenes with Hydrosilanes. Anton A. Toutov, Wen-Bo Liu, Brian M. Stoltz and Robert H. Grubbs. *Org. Synth.* **2016**, *93*, 263-271.

201. Iridium-Catalyzed Diastereo-, Enantio-, and Regioselective Allylic Alkylation with Prochiral Enolates. J. Caleb Hethcox, Samantha E. Shockley, and Brian M. Stoltz. *ACS Catal.* **2016**, *6*, 6207-6213.

200. Enantioselective, Convergent Synthesis of the Ineleganolide Core by a Tandem Annulation Cascade. Robert A. Craig, II, Jennifer L. Roizen, Russell C. Smith, Amanda C. Jones, Scott C. Virgil and Brian M. Stoltz. *Chem. Sci.* **2016**, *8*, 507-514.

199. Escherichia coli K1 modulates peroxisome proliferator-activated receptor-gamma and glucose transporter-1 at the blood-brain barrier in neonatal meningitis. Subramanian Krishnan, Alexander C. Chang, Brian M. Stoltz, and Nemani V. Prasadarao. *J. Infect. Dis.* **2016**, *214(7)*, 1092-1104.

198. Preparation of 1,5-Dioxaspiro[5.5]undecan-3-one. Robert A. Craig, II, Russell C. Smith, Beau P. Pritchett, Benzi I. Estipona, and Brian M. Stoltz. *Org. Synth.* **2016**, *93*, 210-227.

197. Ni-Catalyzed Enantioselective C-Acylation of α-Substituted Lactams. Masaki Hayashi, Shoshana Bachman, Satoshi Hashimoto, Chad C. Eichman, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2016**, *138*, 8997-9000.

196. Synthesis of Aryl Ketoamides via Aryne Insertion into Imides. Austin C. Wright, Christopher K. Haley, Guillaume Lapointe, and Brian M. Stoltz. *Org. Lett.* **2016**, *18*, 2793-2795.

195. Nickel-Catalyzed Intramolecular C−O Bond Formation: Synthesis of Cyclic Enol Ethers. Seo-Jung Han, Ryohei Doi, Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2016**, *55*, 7437-7440.

194. A mild and efficient approach to enantioenriched α-hydroxyethyl α,β-unsaturated δ-lactams. Seo-Jung Han, Brian M. Stoltz. *Tetrahedron Lett.* **2016**, *57*, 2233-2235.

193. Enantioselective Synthesis of Caprolactam and Enone Precursors to the Heterocyclic DEFG Ring System of Zoanthenol. Jeffrey T. Bagdanoff, Douglas C. Behenna, Jennifer L. Stockdill, and Brian M. Stoltz. *Eur. J. Org. Chem.* **2016**, 2101-2104.

192. Enantioselective γ-Alkylation of α,β-Unsaturated Malonates and Ketoesters by a Sequential Ir-Catalyzed Asymmetric Allylic Alkylation/Cope Rearrangement. Wen-Bo Liu, Noriko Okamoto, Eric J. Alexy, Allen Y. Hong, Kristy Tran, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2016**, *138*, 5234-5237.

191. Catalytic enantioselective total synthesis of (+)-eucomic acid. Benzi I. Estipona, Beau P. Pritchett, Robert A. Craig II, Brian M. Stoltz. *Tetrahedron* **2016**, *72*, 3707-3712.

190. Synthetic Applications and Methodological Developments of Donor-Acceptor Cyclopropanes and Related Compounds. Nicholas R. O'Connor, John L. Wood, and Brian M. Stoltz. *Isr. J. Chem.* **2016**, *56*, 431-444.

189. Development of a Simple System for the Oxidation of Electron-rich Diazo Compounds to Ketones. Nicholas R. O'Connor, Peter Bolgar, and Brian M. Stoltz. *Tetrahedron Lett.* **2016**, *57*, 849-851.

188. Total Synthesis and Characterization of 7-Hypoquinuclidonium Tetrafluoroborate and 7-Hypoquinuclidone BF_3 Complex. Marc Liniger, David G. VanderVelde, Michael K. Takase, Mona Shahgholi, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2016**, *138*, 969-974.

187. Palladium-Catalyzed Enantioselective Decarboxylative Allylic Alkylation of Cyclopentanones, Robert A. Craig, II, Steven A. Loskot, Justin T. Mohr, Douglas C. Behenna, Andrew M. Harned, and Brian M. Stoltz. *Org. Lett.* **2015**, 5160-5163.

186. Catalytic C–H Bond Silylation of Aromatic Heterocycles, Anton A Toutov, Wen-Bo Liu, Kerry N Betz, Brian M Stoltz, and Robert H Grubbs. *Nat. Protoc.* **2015**, *10*, 1897-1903.

185. Palladium(II)-Catalyzed Allylic C–H Oxidation of Hindered Substrates Featuring Tunable Selectivity Over Extent of Oxidation, Xiangyou Xing, Nicholas R. O'Connor, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2015**, *54*, 11186-11190.

184. Palladium-Catalyzed Decarbonylative Dehydration for the Synthesis of α-Vinyl Carbonyl Compounds and Total Synthesis of (–)-Aspewentin A, B, and C, Yiyang Liu, Scott C. Virgil, Robert H. Grubbs, and Brian M. Stoltz**.** *Angew. Chem. Int. Ed.* **2015**, *54*, 11800-11803.

183. Preparation of (S)-tert-ButylPyOx and Palladium-Catalyzed Asymmetric Conjugate Addition of Arylboronic Acids, Jeffrey C. Holder, Samantha E. Shockley, Mario P. Wiesenfeldt, Hideki Shimizu, Brian M. Stoltz. *Org Synth.* **2015**, *92*, 247-266.

182. Palladium-Catalyzed Asymmetric Conjugate Addition of Arylboronic Acids to α,β-Unsaturated Cyclic Electrophiles, Samantha E. Shockley, Jeffrey C. Holder, and Brian M. Stoltz. *Org. Process Res. Dev.* **2015**, *19*, 974-981.

181. Label-free single nanoparticles and biological molecules using microtoroid optical resonators, Judith Su, Alexander F.G. Goldberg, and Brian Stoltz. *Light Sci. Appl.* **2016**, *5*, e16001.

180. An Efficient Protocol for the Palladium-Catalyzed Asymmetric Decarboxylative Allylic Alkylation Using Low Palladium Concentrations and a Palladium(II) Precatalyst, Alexander N. Marziale, Douglas C. Duquette, Robert A. Craig II, Kelly E. Kim, Marc Liniger, Yoshitaka Numajiri and Brian M. Stoltz *Adv. Synth. Catal.* **2015**, *357*, 2238-2245. Invited contribution to a special issue dedicated to Professor Stephen L. Buchwald on the occasion of his 60th birthday.

179. Synthesis and exploration of electronically modified (*R*)-5,5-dimethyl-(*p*-CF_3)$_3$-*i*-PrPHOX in palladium-catalyzed enantio- and diastereoselective allylic alkylation: a practical alternative to (*R*)-(*p*-CF_3)$_3$-*t*-BuPHOX, Robert A. Craig, II and Brian M. Stoltz. *Tetrahedron Lett.* **2015**, *56*, 4670-4673.

178. Construction of Tertiary Chiral Centers by Pd-catalyzed Asymmetric Allylic Alkylation of Prochiral Enolate Equivalents, Yusuke Kita, Yoshitaka Numajiri, Noriko Okamoto, and Brian M. Stoltz. *Tetrahedron* **2015**, *71*, 6349-6353. Invited contribution to the special *Tetrahedron* Issue in celebration of Professor Jiro Tsuji's 2014 Tetrahedron Prize.

177. Exceedingly Efficient Synthesis of (±)-Grandifloracin and Acylated Analogues, Magnus Bergner, Douglas C. Duquette, Linda Chio, and Brian M. Stoltz. *Org. Lett.* **2015**, *17*, 3008-3010.

176. Enantioselective Synthesis of Dialkylated *N*-Heterocycles by Palladium-Catalyzed Allylic Alkylation, Yoshitaka Numajiri, Gonzalo Jiménez-Osés, Bo Wang, K. N. Houk, and Brian M. Stoltz. *Org. Lett.* **2015**, *17*, 1082-1085.

175. Silylation of C–H bonds in Aromatic Heterocycles by an Earth-abundant Metal Catalyst, Anton A. Toutov, Wen-Bo Liu, Kerry N. Betz, Alexey Fedorov, Brian M. Stoltz, and Robert H. Grubbs. *Nature* **2015**, *518*, 80-84.

174. Catalytic Enantioselective Construction of Quaternary Stereocenters: Assembly of Key Building Blocks for the Synthesis of Biologically Active Molecules. Yiyang Liu, Seo-Jung Han, Wen-Bo Liu, and Brian M. Stoltz. *Acc. Chem. Res.* **2015**, *48*, 740-751.

173. Enantioselective Synthesis of α-Quaternary Mannich Adducts by Palladium-Catalyzed Allylic Alkylation: Total Synthesis of (+)-Sibirinine. Yoshitaka Numajiri, Beau P. Pritchett, Koji Chiyoda, Brian M. Stoltz. *J. Am. Chem. Soc.* **2015**, *137*, 1040-1043.

172. Selective Syntheses of Leuconolam, Leuconoxine, and Mersicarpine Alkaloids from a Common Intermediate through Regiocontrolled Cyclizations by Staudinger Reactions. Zining Li, Qian Geng, Zhe Lv, Beau P. Pritchett, Katsuaki Baba, Yoshitaka Numajiri, Brian M. Stoltz, Guangxin Liang. *Org. Chem. Front.* **2015**, *2*, 236-240.

171. Mechanistic Analysis of an Asymmetric Palladium-Catalyzed Conjugate Addition of Arylboronic Acids to β-Substituted Cyclic Enones. Cornelia L. Boeser, Jeffrey C. Holder, Buck L. H. Taylor, K. N. Houk, Brian M. Stoltz, Richard N. Zare. *Chem. Sci.* **2015**, *6*, 1917-1922.

170. The Evolution of a Unified, Stereodivergent Approach to the Synthesis of Communesin F and Perophoramidine, Seo-Jung Han, Florian Vogt, Jeremy A. May, Shyam Krishnan, Michele Gatti, Scott C. Virgil, and Brian M. Stoltz. *J. Org. Chem.* **2015**, *80*, 528-547.

169. Synthesis of Diverse β-Quaternary Ketones *via* Palladium-Catalyzed Asymmetric Conjugate Addition of Arylboronic Acids to Cyclic Enones, Jeffrey C. Holder, Emmett D. Goodman, Kotaro Kikushima, Michele Gatti, Alexander N. Marziale, and Brian M. Stoltz. *Tetrahedron* **2015**, *71*, 5781-5792. Invited contribution to the special *Tetrahedron* Issue in celebration of Professor Barry M. Trost's 2014 Tetrahedron Prize.

168. Enantioselective Synthesis of α-Secondary and α-Tertiary Piperazin-2-ones and Piperazines by Catalytic Asymmetric Allylic Alkylation, Katerina M. Korch, Christian Eidamshaus, Douglas C. Behenna, Sangkil Nam, David Horne, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2015**, *54*, 179-183.

167. Stereochemical Evaluation of Bis(phosphine) Copper Catalysts for the Asymmetric Alkylation of 3-Bromooxindoles with α-Arylated Malonate Esters, Chung Whan Lee, Seo-Jung Han, Scott C. Virgil, Brian M. Stoltz. *Tetrahedron* **2015**, *71*, 3666-3670. Invited contribution to the special *Tetrahedron* Symposium-in-Print on the *Synthesis of Indole/Pyrrole-Containing Natural Products* edited by Professor Ang Li.

166. A Catalytic, Enantioselective Formal Synthesis of (+)-Dichroanone and (+)-Taiwaniaquinone H, Samantha E. Shockley, Jeffrey C. Holder, and Brian M. Stoltz. *Org. Lett.* **2014**, *16*, 6362-6365.

165. Formal Total Syntheses of Classic Natural Product Target Molecules Via Palladium-Catalyzed Enantioselective Alkylation, Yiyang Liu, Marc Liniger, Ryan M. McFadden, Jenny L. Roizen, Jacquie Malette, Corey M. Reeves, Douglas C. Behenna, Masaki Seto, Jimin Kim, Justin T. Mohr, Scott C. Virgil, and Brian M. Stoltz. *Beilstein J. Org. Chem.* **2014**, *10*, 2501-2512.

164. The Total Syntheses of Basiliolide C, epi-Basiliolide C, and Protecting-Group-Free Total Syntheses of Transtaganolides C and D, Jonny R. Gordon, Hosea M. Nelson, Scott C. Virgil, and Brian M. Stoltz. *J. Org. Chem.* **2014**, *79*, 9740-9747.

163. A New Method for the Cleavage of Nitrobenzyl Amides and Ethers, Seo-Jung Han, Gabriel Fernando de Melo, and Brian M. Stoltz. *Tetrahedron Lett.* **2014**, *55*, 6467-6469.

162. Highly functionalized donor–acceptor cyclopropanes applied toward the synthesis of the *Melodinus* alkaloids, Alexander F. G. Goldberg, Robert A. Craig, II, Nicholas R. O'Connor, and Brian M. Stoltz. *Tetrahedron Lett.* **2015**, *56*, 2983-2990. Invited contribution to the special *Tetrahedron Letters* Issue honoring Professor Harry H. Wasserman.

161. A Diastereodivergent Synthetic Strategy for the Syntheses of Communesin F and Perophoramidine, Seo-Jung Han, Florian Vogt, Shyam Krishnan, Jeremy A. May, Michele Gatti, Scott C. Virgil, Brian M. Stoltz. *Org. Lett.* **2014**, *16*, 3316-3319.

160. Development of (Trimethylsilyl)ethyl Ester Protected Enolates and Applications in Palladium-Catalyzed Enantioselective Allylic Alkylation: Intermolecular Cross-Coupling of Functionalized Electrophiles, Corey M. Reeves, Douglas C. Behenna, and Brian M. Stoltz. *Org. Lett.* **2014**, *16*, 2314-2317.

159. Palladium-catalyzed decarboxylative allylic alkylation of diastereomeric β-ketoesters, Sandy Ma, Corey M. Reeves, Robert A. Craig II, and Brian M. Stoltz. *Tetrahedron* **2014**, *70*, 4208-4212. Invited contribution to the special *Tetrahedron* Issue in celebration of Professor Sarah E. Reisman's 2014 Tetrahedron Young Investigator Award.

***158. Alkylations of Enols and Enolates**, Brian M. Stoltz, Nathan B. Bennett, Douglas C. Duquette, Alexander F. G. Goldberg, Yiyang Liu, Maxwell B. Loewinger, and Corey M. Reeves. In *Comprehensive Organic Synthesis*, 2nd edition, Vol 3, Gary A. Molander and Paul Knochel (eds.), Oxford: Elsevier; 2014. pp. 1-55.

157. Gas Phase Production and Loss of Isoprene Epoxydiols, Kelvin H. Bates, John D. Crounse, Jason M. St. Clair, Nathan B. Bennett, Tran B. Nguyen, John H. Seinfeld, Brian M. Stoltz, Paul O. Wennberg. *J. Phys. Chem. A* **2014**, *118*, 1237-1246.

156. Biosynthesis and Chemical Synthesis of Presilphiperfolanol Natural Products, Allen Y. Hong and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2014**, *53*, 5248-5260.

155. Palladium-Catalyzed Decarbonylative Dehydration of Fatty Acids for the Production of Linear Alpha Olefins, Yiyang Liu, Kelly E. Kim, Myles B. Herbert, Alexey Fedorov, Robert H. Grubbs, and Brian M. Stoltz. *Adv. Synth. Catal.* **2014**, *356*, 130-136.

154. Stereoselective Lewis Acid Mediated (3 + 2) Cycloadditions of *N*–H- and *N*–Sulfonylaziridines with Heterocumulenes, Robert A. Craig, II, Nicholas R. O'Connor, Alexander F. G. Goldberg, and Brian M. Stoltz. *Chem.–Eur. J.* **2014**, *20*, 4806-4813.

153. Toward a Symphony of Reactivity. Cascades Involving Catalysis and Sigmatropic Rearrangements, Amanda C. Jones, Jeremy A. May, Richmond Sarpong, Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2014**, *53*, 2556-2591.

152. Angiotensin II receptor Type I - A novel target for preventing neonatal meningitis in mice by Escherichia coli K1, Subramanian Krishnan, Muthusamy V. Shanmuganathan, Douglas Behenna, Brian M. Stoltz and Nemani V. Prasadarao. *J. Infect. Dis.* **2014**, *209*, 409-419.

151. Enantio-, Diastereo- and Regioselective Iridium-Catalyzed Asymmetric Allylic Alkylation of Acyclic β-Ketoesters, Wen-Bo Liu, Corey M. Reeves, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2013**, *135*, 17298-17301.

150. Asymmetric Synthesis of QUINAP via Dynamic Kinetic Resolution, Vikram Bhat, Su Wang, Brian M. Stoltz, and Scott C. Virgil. *J. Am. Chem. Soc.* **2013**, *135*, 16829-16832.

149. Mechanism and Enantioselectivity in Palladium-Catalyzed Conjugate Addition of Arylboronic Acids to β-Substituted Cyclic Enones: Insights from Computation and Experiment, Jeffrey C. Holder, Lufeng Zou, Alexander N. Marziale, Peng Liu, Yu Lan, Michele Gatti, Kotaro Kikushima, K. N. Houk, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2013**, *135*, 14996-15007.

148. A Unified Approach to the Daucane and Sphenolobane Bicyclo[5.3.0]decane Core: Enantioselective Total Syntheses of Daucene, Daucenal, Epoxydaucenal B, and 14-p-Anisoyloxydauc-4,8-diene, Nathan B. Bennett and Brian M. Stoltz. *Chem.–Eur. J.* **2013**, *19*, 17745-17750.

147. A scalable synthesis of the (S)-4-(tert-butyl)-2-(pyridin-2-yl)-4,5-dihydrooxazole ((S)-t-BuPyOx) ligand, Hideki Shimizu, Jeffrey C. Holder and Brian M. Stoltz. *Beilstein J. Org. Chem.* **2013**, *9*, 1637-1642.

146. Construction of Vicinal Tertiary and All-Carbon Quaternary Stereocenters via Ir-Catalyzed Regio-, Diastereo-, and Enantioselective Allylic Alkylation and Applications in Sequential Pd Catalysis, Wen-Bo Liu, Corey M. Reeves, Scott C. Virgil, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2013**, *135*, 10626-10629.

145. Enantioselective Synthesis of the 5–6–7 Carbocyclic Core of the Gagunin Diterpenoids, Grant M. Shibuya , John A. Enquist , Jr., and Brian M. Stoltz. *Org. Lett.* **2013**, *15*, 3480-3483.

144. Selective Nucleic Acid Capture with Shielded Covalent Probes, Jeffrey R. Vieregg, Hosea M. Nelson, Brian M. Stoltz, and Niles A. Pierce. *J. Am. Chem. Soc.* **2013**,135, 9691-9699.

143. Enantioselective Construction of α-Quaternary Cyclobutanones by Catalytic Asymmetric Allylic Alkylation, Corey M. Reeves, Christian Eidamshaus, Jimin Kim and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2013**, *52*, 6718-6721.

142. Total Syntheses of (–)-Transtaganolide A, (+)-Transtaganolide B, (+)-Transtaganolide C, and (–)-Transtaganolide D and Biosynthetic Implications, Hosea M. Nelson, Jonny R. Gordon, Scott C. Virgil and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2013**, *52*, 6699-6703.

***141. Natural Products as Inspiration for Reaction Development: Catalytic Enantioselective Decarboxylative Reactions of Prochiral Enolate Equivalents,** Douglas C. Behenna and Brian M. Stoltz. In *Inventing Reactions*, Lukas J. Gooben, Ed.; Springer Verlag, Berlin Heidelberg, *Topics in Organometallic Chemistry*, **2013**, *44*, 281-314.

140. **The Construction of All-Carbon Quaternary Stereocenters Using Pd-Catalyzed Asymmetric Allylic Alkylation Reactions in Total Synthesis,** Allen Y. Hong and Brian M. Stoltz. *Eur. J. Org. Chem.* **2013**, 2745-2759.

139. **Development of a palladium-catalyzed decarboxylative cross-coupling of (2-azaaryl)carboxylates with aryl halides,** Christopher K. Haley, Christopher D. Gilmore, and Brian M. Stoltz. *Tetrahedron* **2013**, *69*, 5732-5736.

138. **Expanding Insight into Asymmetric Palladium-Catalyzed Allylic Alkylation of N-Heterocyclic Molecules and Cyclic Ketones,** Nathan B. Bennett, Douglas C. Duquette, Jimin Kim, Wen-Bo Liu, Alexander N. Marziale, Douglas C. Behenna, Scott C. Virgil, and Brian M. Stoltz. *Chem.–Eur. J.* **2013**, *19*, 4414-4418.

137. Use of a Palladium(II)-Catalyzed Oxidative Kinetic Resolution in Synthetic Efforts Toward Bielschowskysin, Michael E. Meyer, John H. Phillips, Eric M. Ferreira, and Brian M. Stoltz. *Tetrahedron* **2013**, *69*, 7627-7635.

136. Palladium-Catalyzed Asymmetric Conjugate Addition of Arylboronic Acids to Heterocyclic Acceptors, Jeffrey C. Holder, Alexander N. Marziale, Michele Gatti, Bin Mao, and Brian M. Stoltz. *Chem.–Eur. J.* **2013**, *19*, 74-77.

***135. Catalytic Enantioselective Alkylation of Prochiral Ketone Enolates,** Corey M. Reeves and Brian M. Stoltz. In *Asymmetric Synthesis II*, Mathias Christmann and Stefan Bräse, Eds.; Wiley-VCH: Weinheim 2012; pp. 1-10.

134. Rapid and Convergent Synthesis of a 2,4'-Linked Tri-oxazole in an Approach to Polyoxazoles, Daniel D. Caspi, Haiming Zhang, Scott C. Virgil, Fabian M. Piller, and Brian M. Stoltz. *Heterocycles* **2012**, *86*, 1003-1008.

133. The Reaction Mechanism of the Enantioselective Tsuji Allylation: Inner-Sphere and Outer-Sphere Pathways, Internal Rearrangements, and Asymmetric C–C Bond Formation, John A. Keith, Douglas, C. Behenna, Nathaniel Sherden, Justin T. Mohr, Sandy Ma, Smaranda C. Marinescu, Robert J. Nielsen, Jonas Oxgaard, Brian M. Stoltz and William A. Goddard, III. *J. Am. Chem. Soc.* **2012**, *134*, 19050-19060.

132. Enantioselective Synthesis of a Hydroxymethyl-cis-1,3-cyclopentenediol Building Block, Robert A. Craig, II, Jennifer L. Roizen, Russell C. Smith, Amanda C. Jones, and Brian M. Stoltz. *Org. Lett.* **2012**, *14*, 5716-5719.

131. Lewis Acid Mediated (3 + 2) Cycloadditions of Donor–Acceptor Cyclopropanes with Heterocumulenes, Alexander F. G. Goldberg, Nicholas R. O'Connor, Robert A. Craig, II and Brian M. Stoltz. *Org. Lett.* **2012**, *14*, 5314-5317.

130. Enantioselective Total Synthesis of the Reported Structures of (–)-9-epi-Presilphiperfolan-1-ol and (–)-Presilphiperfolan-1-ol: Structural Confirmation and Reassignment and Biosynthetic Insights, Allen Y. Hong and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2012**, *51*, 9674-9678.

129. A C–N Insertion of β-Lactam to Benzyne: Unusual Formation of Acridone*,* Jimin Kim and Brian M. Stoltz. *Tetrahedron Lett.* **2012**, *53*, 4994-4996.

128. Enantioselective Construction of Quaternary *N*-Heterocycles by Palladium-Catalyzed Decarboxylative Allylic Alkylation of Lactams, Douglas C. Behenna, Yiyang Liu, Taiga Yurino, Jimin Kim, David E. White, Scott C. Virgil, and Brian M. Stoltz. *Nature Chemistry* **2012**, *4*, 130-133.

127. A Comprehensive History of Arynes in Natural Product Total Synthesis, Pamela M. Tadross and Brian M. Stoltz. *Chem. Rev.* **2012**, *112*, 3550-3577.

126. Palladium-Catalyzed Asymmetric Alkylation in the Synthesis of Cyclopentanoid and Cycloheptanoid Core Structures Bearing All-Carbon Quaternary Stereocenters, Allen Y. Hong, Nathan B. Bennett, Michael R. Krout, Thomas Jensen, Andrew. M. Harned and Brian M. Stoltz. *Tetrahedron* **2011**, *67*, 10234-10248. Invited contribution to the special *Tetrahedron* Symposium-in-Print in celebration of Professor Gilbert Stork's 90th Birthday.

125. Synthesis of Enantioenriched γ-Quaternary Cycloheptenones Using a Combined Allylic Alkylation/Stork–Danheiser Approach: Preparation of Mono-, Bi-, and Tricyclic Systems, Nathan B. Bennett, Allen Y. Hong, Andrew M. Harned, and Brian M. Stoltz. *Org. Biomol. Chem.* **2012**, *10*, 56-59.

***124. Protonation, Alkylation, Arylation, and Vinylation of Enolates**, Brian M. Stoltz and Justin T. Mohr. In *Stereoselective Synthesis, Vol. 3* (P. A. Evans, Ed.) Chapter 3.15 (2011).

***123. Oxidative Deracemization,** Brian M. Stoltz, David C. Ebner, and Narae Park. In *Stereoselective Synthesis, Vol. 2* (G. A. Molander, Ed.) Chapter 2.4 (2011).

122. A Palladium-Catalyzed Vinylcyclopropane (3 + 2) Cycloaddition Approach to the Melodinus Alkaloids, Alexander F. G. Goldberg and Brian M. Stoltz. *Org. Lett.* **2011**, *13*, 4474-4476.

121. The Catalytic Enantioselective Total Synthesis of (+)-Liphagal, Joshua J. Day, Ryan M. McFadden, Scott C. Virgil, Helene Kolding, Jennifer L. Alleva, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2011**, *50*, 6814-6818.

120. Enantioselective Decarboxylative Alkylation Reactions: Catalyst Development, Substrate Scope, and Mechanistic Studies, Douglas C. Behenna, Justin T. Mohr, Nathaniel H. Sherden, Smaranda C. Marinescu, Andrew M. Harned, Kousuke Tani, Masaki Seto, Sandy Ma, Zoltán Novák, Michael R. Krout, Ryan M. McFadden, Jennifer L. Roizen, John A. Enquist, Jr., David E. White, Samantha R. Levine, Krastina V. Petrova, Akihiko Iwashita, Scott C. Virgil and Brian M. Stoltz. *Chem. Eur. J.* **2011**, *17*, 14199-14223.

119. A Rapid and Convergent Synthesis of the Integrastatin Core, Pamela M. Tadross, Pradeep Bugga and Brian M. Stoltz. *Org. Biomol. Chem.* **2011**, *9*, 5354-5357.

118. Palladium-Catalyzed Asymmetric Conjugate Addition of Arylboronic Acids to 5- 6- and 7-Membered β-substituted Cyclic Enones: Enantioselective Construction of All-Carbon Quaternary Stereocenters, Kotaro Kikushima, Jeffrey C. Holder, Michele Gatti, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2011**, *133*, 6902-6905.

117. Palladium-Catalyzed, Asymmetric Baeyer–Villiger Oxidation of Prochiral Cyclobutanones with PHOX Ligands, Kimberly S. Petersen and Brian M. Stoltz. *Tetrahedron* **2011**, *67*, 4352-4357. Invited contribution to the special *Tetrahedron* Issue in celebration of Professor F. Dean Toste's 2011 Tetrahedron Young Investigator Award.

116. Benzannulated Bicycles via Three-Component Aryne Reactions, Kevin M. Allan, Christopher D. Gilmore, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2011**, *50*, 4488-4491.

115. Total Syntheses of Cyanthiwigins B, F, and G, John A. Enquist Jr., Scott C. Virgil, and Brian M. Stoltz. *Chem. Eur. J.* **2011**, *17*, 9957-9961.

114. A Reversible Inhibitor of the AAA ATPase p97, DBeQ, Impairs Both Ubiquitin-Dependent and Autophagic Protein Clearance Pathways, Tsui-Fen Chou, Steve J. Brown, Dmitriy Minond, Brian E. Nordin, Kelin Li, Amanda C. Jones, Peter Chase, Patrick Porubsky, Brian M. Stoltz, Frank J. Schoenen, Matthew P. Patricelli, Peter Hodder, Hugh Rosen, and Raymond J. Deshaies. *Proc. Natl. Acad. Sci. U.S.A.* **2011**, *108*, 4834-4839.

113. A General Approach to the Basiliolide/Transtaganolide Natural Products: The Total Syntheses of Basiliolide B, *epi*-8-Basiliolide B, Transtaganolide C, and Transtaganolide D, Hosea M. Nelson, Kei Murakami, Scott C. Virgil and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2011**, *50*, 3688-3691.

112. Ring Contraction Strategy for the Practical, Scalable, Catalytic Asymmetric Synthesis of Versatile γ-Quaternary Acylcyclopentenes, Allen Y. Hong, Michael R. Krout, Thomas Jensen, Nathan B. Bennett, Andrew M. Harned, Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2011**, *50*, 2756-2760.

111. A Catalytic, Asymmetric Formal Synthesis of (+)-Hamigeran B, Herschel Mukherjee, Nolan T. McDougal, Scott C. Virgil, and Brian M. Stoltz. *Org. Lett.* **2011**, *13*, 825-827.

110. Confirmation of the absolute configuration of (–)-aurantioclavine, Douglas C. Behenna, Shyam Krishnan, and Brian M. Stoltz. *Tetrahedron Lett.* **2011**, *52*, 2152-2154. Invited contribution to the special *Tetrahedron Letters* Issue in celebration of Professor Harry H. Wasserman's 90th Birthday.

109. Rapid Synthesis of an Electron-Deficient *t*-BuPHOX Ligand: Cross-Coupling of Aryl Bromides with Secondary Phosphine Oxides, Nolan T. McDougal, Jan Streuff, Herschel Mukherjee, Scott C. Virgil and Brian M. Stoltz. *Tetrahedron Lett.* **2010**, *51*, 5550-5554.

108. High-Throughput Screening of the Asymmetric Decarboxylative Alkylation Reaction of Enolate-Stabilized Enol Carbonates, Nolan T. McDougal, Scott C. Virgil and Brian M. Stoltz. *Synlett* **2010**, 1712-1716.

107. A General Enantioselective Route to the Chamigrene Natural Product Family, David E. White, Ian C. Stewart, Brinton A. Seashore-Ludlow, Robert H. Grubbs and Brian M. Stoltz. *Tetrahedron* **2010**, *66*, 4668-4686.

106. Efforts Toward Rapid Construction of the Cortistatin A Carbocyclic Core via Enyne-ene Metathesis, Corinne Baumgartner, Sandy Ma, Qi Liu and Brian M. Stoltz. *Org. Biomol. Chem.* **2010**, *8*, 2915-2917.

105. NMR Chemical Shifts of Trace Impurities: Common Laboratory Solvents, Organics, and Gases in Deuterated Solvents Relevant to the Organometallic Chemist, Gregory R. Fulmer, Alexander J. M. Miller, Nathaniel H. Sherden, Hugo E. Gottlieb, Abraham Nudelman, Brian M. Stoltz, John E. Bercaw, and Karen I. Goldberg. *Organometallics* **2010**, 29, 2176-2179.

104. Aryne Acyl-Alkylation in the General and Convergent Synthesis of Benzannulated Macrolactone Natural Products: An Enantioselective Synthesis of (–)-Curvularin, Pamela M. Tadross, Scott C. Virgil, and Brian M. Stoltz. *Org. Lett.* **2010**, *12*, 1612-1614.

103. Regioselective Reactions of Highly Substituted Arynes, Pamela M. Tadross, Christopher D. Gilmore, Pradeep Bugga, Scott C. Virgil, and Brian M. Stoltz. *Org. Lett.* **2010**, *12*, 1224-1227.

102. A Palladium-Catalysed Enolate Alkylation Cascade for the Formation of Adjacent Quaternary and Tertiary Stereocentres, Jan Streuff, David E. White, Scott C. Virgil, and Brian M. Stoltz. *Nature Chemistry* **2010**, *2*, 192-196.

101. Expedient Synthesis of 3-Hydroxyisoquinolines and 2-Hydroxy-1,4-naphthoquinones *via* One-Pot Aryne Acyl-Alkylation/Condensation, Kevin M. Allan, Boram D. Hong and Brian M. Stoltz. *Org. Biomol. Chem.* **2009**, *7*, 4960-4964.

100. The Palladium-Catalyzed Aerobic Kinetic Resolution of Secondary Alcohols: Reaction Development, Scope, and Applications, David C. Ebner, Jeffrey T. Bagdanoff, Eric M. Ferreira, Ryan M. McFadden, Daniel D. Caspi, Raissa M. Trend, and Brian M. Stoltz. *Chem. Eur. J.* **2009**, *15*, 12978-12992.

99. Catalytic Enantioselective Stereoablative Alkylation of 3-Halooxindoles: Facile Access to C(3) All-Carbon Quaternary Stereocenters, Sandy Ma, Xiaoqing Han, Shyam Krishnan, Scott C. Virgil, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2009**, *48*, 8037-8041.

98. Unusual Allylpalladium Carboxylate Complexes: Identification of the Resting State of Catalytic Enantioselective Decarboxylative Ketone Allylic Alkylation Reactions, Nathaniel H. Sherden, Douglas C. Behenna, Scott C. Virgil, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2009**, *48*, 6840-6843.

97. Enantioselective Protonation, Justin T. Mohr, Allen Y. Hong, and Brian M. Stoltz. *Nature Chemistry* **2009**, *1*, 359-369.

96. An Efficient Synthesis of the Carbocyclic Core of Zoanthenol, Jennifer L. Stockdill, Douglas C. Behenna, Andrew McClory, and Brian M. Stoltz. *Tetrahedron* **2009**, *65*, 6571-6575. Invited contribution to the Larry E. Overman Tetrahedron Prize Special Issue.

95. Synthetic Efforts toward Cyathane Diterpenoid Natural Products, John A. Enquist and Brian M Stoltz. *Nat. Prod. Rep.* **2009**, *26*, 661-680.

94. Unexpected Decarbonylation during an Acid-Mediated Cyclization to Access the Carbocyclic Core of Zoanthenol, Jennifer L. Stockdill, Douglas C. Behenna, and Brian M. Stoltz. *Tetrahedron Lett.* **2009**, *50*, 3182-3184. Invited contribution to the special 50th Anniversary Tetrahedron Letters Issue.

93. Progress toward the Synthesis of the Transtaganolide/Basiliolide Natural Products: An Ireland-Claisen Approach, Hosea M. Nelson and Brian M. Stoltz. *Tetrahedron Lett.* **2009**, 1699-1701.

92. Preparation of (S)-2-Allyl-2-methylcyclohexanone, Justin T. Mohr, Michael R. Krout, and Brian M. Stoltz. *Org. Synth.* **2009**, *86*, 194-211.

91. Preparation of (S)-tert-ButylPHOX, Michael R. Krout, Justin T. Mohr, and Brian M. Stoltz. *Org. Synth.* **2009**, *86*, 181-193.

90. The Direct Acyl-Alkylation of Arynes. Preparation of Methyl 2-(2-AcetylPhenyl)Acetate, David C. Ebner, Uttam K. Tambar, and Brian M. Stoltz. *Org. Synth.* **2009**, *86*, 161-171.

89. Enantioselective Total Synthesis of (+)-Cassiol, Krastina V. Petrova, Justin T. Mohr, and Brian M. Stoltz. *Org. Lett.* **2009**, *11*, 293-295.

88. Catalytic Enantioselective Approach to the Eudesmane Sesquiterpenoids: Total Synthesis of (+)-Carissone, Samantha R. Levine, Michael R. Krout, and Brian M. Stoltz. *Org. Lett.* **2009**, *11*, 289-292.

87. Side Chain Chemistry Mediates Backbone Fragmentation in Hydrogen Deficient Peptide Radicals, Qingyu Sun, Hosea Nelson, Tony Ly, Brian M. Stoltz and Ryan R. Julian. *J. Proteome Res.* **2009**, 8, 958-966.

86. A Concise Total Synthesis of (-)-Quinocarcin via Aryne Annulation, Kevin M. Allan and Brian M. Stoltz. *J. Am. Chem. Soc.* **2008**, *130*, 17270-17271.

85. Structural Features and Reactivity of (Sparteine)PdCl2: A Model for Selectivity in the Oxidative Kinetic Resolution of Secondary Alcohols, Raissa M. Trend and Brian M. Stoltz. *J. Am. Chem. Soc.* **2008**, *130*, 15957-15966.

84. Pd-Catalyzed Enantioselective Aerobic Oxidation of Secondary Alcohols: Applications to the Total Synthesis of Alkaloids, Shyam Krishnan, Jeffrey T. Bagdanoff, David C. Ebner, Yeeman K. Ramtohul, Uttam K. Tambar, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2008**, *130*, 13745-13754.

83. Natural Products as Inspiration for the Development of Asymmetric Catalysis, Justin T. Mohr, Michael R. Krout and Brian M. Stoltz. *Nature* **2008**, *455*, 323-332.

82. Catalytic Enantioselective Alkylation of Substituted Dioxanone Enol Ethers: Ready Access to C(α)-Tetrasubstituted Hydroxyketones, Acids, and Esters, Masaki Seto, Jennifer L. Roizen, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2008**, *47*, 6873-6876.

81. Palladium-Catalyzed Enantioselective Oxidation of Chiral Secondary Alcohols: Access to Both Enantiomeric Series, David C. Ebner, Raissa M. Trend, Cédric Genet, Matthew J. McGrath, Peter O'Brien, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2008**, *47*, 6367-6370.

80. The Total Synthesis of (–)-Cyanthiwigin F via Double Catalytic Enantioselective Alkylation, John A. Enquist Jr. and Brian M. Stoltz. *Nature* **2008**, *453*, 1228-1231.

79. C-H Bond Functionalizations with Palladium(II): Intramolecular Oxidative Annulations of Arenes, Eric M. Ferreira, Haiming Zhang, and Brian M. Stoltz. *Tetrahedron* **2008**, *64*, 5987-6001.

78. Homogeneous Pd-Catalyzed Enantioselective Decarboxylative Protonation, Smaranda C. Marinescu, Toyoki Nishimata, Justin T. Mohr, and Brian M. Stoltz. *Org. Lett.* **2008**, *10*, 1039-1042.

77. Orthogonal Synthesis of Indolines and Isoquinolines Via Aryne Annulation, Christopher D. Gilmore, Kevin M. Allan, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2008**, *130*, 1558-1559.

76. The Catalytic Asymmetric Total Synthesis of Elatol, David E. White, Ian C. Stewart, Robert H. Grubbs, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2008**, *130*, 810-811.

75. Progress toward the Synthesis of the Basiliolides and Transtaganolides: An Intramolecular Pyrone Diels-Alder Entry into a Novel Class of Natural Products, Hosea M. Nelson and Brian M. Stoltz *Org. Lett.* **2008**, *10*, 25-28.

74. The Biology and Chemistry of the Zoanthamine Alkaloids, Douglas C. Behenna, Jennifer L. Stockdill, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2008**, *47*, 2365-2386.

73. The Inner-Sphere Process in the Enantioselective Tsuji Allylation Reaction with (*S*)-*t*-Bu-phosphinooxazoline (PHOX) Ligands, John A. Keith, Douglas C. Behenna, Justin T. Mohr, Sandy Ma, Smaranda C. Marinescu, Jonas Oxgaard, Brian M. Stoltz, and William A. Goddard, III. *J. Am. Chem. Soc.* **2007**, *129*, 11876-11877.

72. Enantioselective Tsuji Allylations, Justin T. Mohr and Brian M. Stoltz. *Chem. Asian J.* **2007**, *2*, 1476-1491.

71. Preparation of 3,3-Disubstituted Oxindoles by Addition of Malonates to 3-Halooxindoles, Shyam Krishnan and Brian M. Stoltz. *Tetrahedron Lett.* **2007**, *48*, 7571-7573.

70. Catalytic Enantioselective Stereoablative Reactions: An Unexploited Approach to Enantioselective Catalysis, Justin T. Mohr, David C. Ebner, and Brian M. Stoltz. *Org. Biomol. Chem.* **2007**, *5*, 3571-3576.

***69. Oxidative Heck-type Reactions (Fujiwara-Moritani Reactions)**, Eric M. Ferreira, Haiming Zhang, and Brian M. Stoltz. In *The Heck Reaction*, Martin Oestreich, Ed.; John Wiley & Sons Ltd, 2009.

68. Convergency and Divergency as Strategic Elements in Total Synthesis: The Total Synthesis of (−)-Drupacine and the Formal Total Synthesis of (±)-Cephalotaxine, (−)-Cephalotaxine and (+)-Cephalotaxine, Qi Liu, Eric M. Ferreira, and Brian M. Stoltz. *J. Org. Chem.* **2007**, *72*, 7352-7358.

67. A Facile and Modular Synthesis of Phosphinooxazoline Ligands, Kousuke Tani, Douglas C. Behenna, Ryan M. McFadden, and Brian M. Stoltz. *Org. Lett.* **2007**, *9*, 2529-2531.

66. Synthesis of the Carbocyclic Core of Zoanthenol: Implementation of an Unusual Acid-Catalyzed Cyclization, Douglas C. Behenna, Jennifer L. Stockdill, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2007**, *119*, 4077-4080.

65. Synthesis of 2-Quincuclidonium by Eliminating Water: Experimental Quantification of the High Basicity of Extremely Twisted Amides, Tony Ly, Michael Krout, Don K. Pham, Kousuke Tani, Brian M. Stoltz, and Ryan R. Julian. *J. Am. Chem. Soc.* **2007**, *129*, 1864-1865.

64. The Development and Scope of a Versatile Tandem Stille-Oxa-Electrocyclization Reaction, Uttam K. Tambar, Taichi Kano, John F. Zepernick, and Brian M. Stoltz. *Tetrahedron Lett.* **2006**, 345-350.

63. The Synthesis of C-3β Functionalized Indoles via a Hydroboration/Suzuki-Miyaura Coupling Sequence, Eric M. Ferreira and Brian M. Stoltz. *Tetrahedron Lett.* **2006**, 8579-8582.

62. Oxidative Kinetic Resolution-Claisen Rearrangement Sequence to Enantioenriched Arylcycloalkenes, David C. Ebner, Zoltán Novák, and Brian M. Stoltz. *Synlett* **2006**, 3533-3539. Invited paper for a *Cluster* on Asymmetric Oxidation.

61. Convergent and Diastereoselective Synthesis of the Polycyclic Pyran Core of Saudin, Uttam K. Tambar, Taichi Kano, John F. Zepernick, and Brian M. Stoltz. *J. Org. Chem.* **2006**, *71*, 8357-8364.

60. A Convergent and Enantioselective Synthesis of (+)-Amurensinine via Selective C–H and C–C Bond Insertion Reactions, Uttam K. Tambar, David C. Ebner, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2006**, *128*, 11752-11753.

59. Catalytic Enantioselective Decarboxylative Protonation, Justin T. Mohr, Toyoki Nishimata, Douglas C. Behenna, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2006**, *128*, 11348-11349.

58. The Synthesis and Structural Analysis of 2-Quinuclidonium Tetrafluoroborate, Kousuke Tani and Brian M. Stoltz. *Nature* **2006**, *441*, 731-734. For commentaries on this paper, see: a) Harry H. Wasserman *Nature* **2006**, *441*, 699-700. b) *Chem. Eng. News* **2006**, *84* (24), 9. c) *Chem. Eng. News* **2006**, *84* (51), 18 (*Highlights of the Year Issue*).

57. The Catalytic Enantioselective, Protecting Group-Free Total Synthesis of (+)-Dichroanone, Ryan McFadden and Brian M. Stoltz. *J. Am. Chem. Soc.* **2006**, *128*, 7738-7739. For commentaries on this paper, see: a) *Nature* **2006**, *441*, 788-789.

56. A Unified Synthetic Approach to the Pyrazinone Dragmacidins, *(Invited Feature Article)*. Neil K. Garg, and Brian M. Stoltz. *Chem. Commun.* **2006**, 3769-3779.

55. The Utility of the Classical and Oxidative Heck Reactions in Natural Product Synthesis: Studies Directed Toward the Total Synthesis of Dragmacidin F, Neil K. Garg, Daniel D. Caspi, and Brian M. Stoltz. *Synlett* **2006**, 3081-3087. Invited paper for a special issue to honor Professor R. Heck.

54. The Structural and Synthetic Implications of the Biosynthesis of the Calycanthaceous Alkaloids, the Communesins, and Nomofungin, Jeremy A. May and Brian Stoltz**.** *Tetrahedron* **2006**, *62*, 5262-5271.

53. 2-Diazoacetoacetic Acid, an Efficient and Convenient Reagent for the Synthesis of α-Diazo-β-ketoesters, Michael E. Meyer, Eric M. Ferreira, and Brian M. Stoltz. *Chem. Commun.* **2006**, 1316-1318.

52. Effects of a Modified Dye-Labeled Nucleotide Spacer Arm on Incorporation by Thermophilic DNA Polymerases, Christopher J. Lacenere, Neil K. Garg, Brian M. Stoltz, Stephen R. Quake. *Nucleos. Nucleot. Nucl.* **2006**, *25*, 9-15.

51. Oxidative Cyclizations in Nonpolar Solvent Using Molecular Oxygen and Studies on the Stereochemistry of Oxypalladation, Raissa M. Trend, Yeeman K. Ramtohul, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2005**, *127*, 17778-17788.

50. Deracemization of Quaternary Stereocenters by Palladium-Catalyzed Enantioconvergent Decarboxylative Allylation of Racemic β-Ketoesters, Justin T. Mohr, Douglas C. Behenna, Andrew M. Harned, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2005**, *44*, 6924-6927. (Justin T. Mohr, Douglas C. Behenna, Andrew M. Harned, and Brian M. Stoltz. *Angew. Chem.* **2005**, *117*, 7084-7087).

49. A Ligand-Free Solid-Supported System for Sonogashira Couplings: Applications in Nucleoside Chemistry, Neil K. Garg, Carolyn C. Woodroofe, Christopher J. Lacenere, Stephen R. Quake, and Brian M. Stoltz. *Chem. Commun.* **2005**, 4551-4553.

48. Heterogeneous Reductive Isomerization Reaction Using Catalytic Pd/C and H_2, Daniel D. Caspi, Neil K. Garg, and Brian M. Stoltz. *Org. Lett.* **2005**, *7*, 2513-2516.

47. Progress toward the Total Synthesis of Saudin: The Development of a Tandem Stille-Oxa-Electrocyclization Reaction, Uttam K. Tambar, Taichi Kano, and Brian M. Stoltz. *Org. Lett.* **2005**, *7*, 2413-2416.

46. The Direct Acyl-Alkylation of Arynes, Uttam K. Tambar and Brian M. Stoltz. *J. Am. Chem. Soc.* **2005**, *127*, 5340-5341.

45. The Development of an Enantiodivergent Strategy for the Total Synthesis of (+)- and (–)-Dragmacidin F from a Single Enantiomer of Quinic Acid, Neil K. Garg, Daniel D. Caspi, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2005**, *127*, 5970-5978.

***44. Kinetic Resolution by Enantioselective Aerobic Oxidation of Alcohols**, Brian M. Stoltz and David C. Ebner. In *Handbook of CH Transformation*, Gerald Dyker, Ed.; Wiley-VCH: Weinhem, 2005; Vol. 2, pp 393-402.

43. The Formal Total Synthesis of Dragmacidin B, trans-Dragmacidin C, and cis- and trans-Dihydrohamacanthins A, Neil K. Garg and Brian M. Stoltz. *Tetrahedron Lett.* **2005**, *46*, 2423-2426.

42. Synthesis of Bis(indole)-1,2,4-Triazinones, Neil K. Garg and Brian M. Stoltz. *Tetrahedron Lett.* **2005**, *46*, 1997-2000.

41. The Enantioselective Tsuji Allylation, Douglas C. Behenna and Brian M. Stoltz. *J. Am. Chem. Soc.* **2004**, *126*, 15044-15045.

40. Direct Oxidative Heck Cyclizations: Intramolecular Fujiwara-Moritani Arylations for the Synthesis of Functionalized Benzofurans and Dihydrobenzofurans, Haiming Zhang, Eric M. Ferreira, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2004**, *43*, 6144-6148.

39. The Total Synthesis of (+)-Dragmacidin F, Neil K. Garg, Daniel D. Caspi, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2004**, *126*, 9552-9553.

38. A Computational Model Relating Structure and Reactivity in Enantioselective Oxidations of Secondary Alcohols by (–)-Sparteine-Pd^{II} Complexes, Robert J. Nielsen, Jason M. Keith, Brian M. Stoltz, William A. Goddard III. *J. Am. Chem. Soc.* **2004**, *126*, 7967-7974.

37. An Experimentally Derived Model for the Stereoselectivity in the Aerobic Oxidative Kinetic Resolution of Secondary Alcohols by (sparteine)$PdCl_2$, Raissa M. Trend and Brian M. Stoltz. *J. Am. Chem. Soc.* **2004**, *126*, 4482-4483.

36. Palladium Catalyzed Aerobic Dehydrogenation: From Alcohols to Indoles and Asymmetric Catalysis, *(Invited Highlight Review).* Brian M. Stoltz. *Chem. Lett.* **2004**, *33*, 362-367.

35. The Resolution of Important Pharmaceutical Building Blocks by Palladium-Catalyzed Aerobic Oxidation of Secondary Alcohols, Daniel D. Caspi, David C. Ebner, Jeffrey T. Bagdanoff, and Brian M. Stoltz. *Adv. Synth. Catal.* **2004**, 185-189.

34. Substituent Effects and Nearly Degenerate Transition States: Rational Design of Substrates for the Tandem Wolff/Cope Reaction, Julius T. Su, Richmond Sarpong, Brian M. Stoltz, William A. Goddard III. *J. Am. Chem. Soc.* **2004**, *126*, 24-25.

33. Palladium Catalyzed Oxidative Kinetic Resolution Using Ambient Air as the Stoichiometric Oxidation Gas, Jeffrey T. Bagdanoff and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2004**, *43*, 353-357.

32. The Total Synthesis of (–)-Lemonomycin, Eric R. Ashley, Ernest G. Cruz, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2003**, *125*, 15000-15001.

31. The Development of a Facile Tandem Wolff/Cope Rearrangement for the Synthesis of Fused Carbocyclic Skeletons, Richmond Sarpong, Julius T. Su, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2003**, *125*, 13624-13625.

30. Catalytic C-H Bond Functionalization with Palladium(II): Aerobic Oxidative Annulations of Indoles, Eric M. Ferreira and Brian M. Stoltz. *J. Am. Chem. Soc.* **2003**, *125*, 9578-9579.

29. Biomimetic Approaches to Gas Phase Peptide Chemistry: Combining Selective Binding Motifs with Reactive Carbene Precursors to Form Molecular Mousetraps, Ryan R. Julian, Jeremy A. May, Brian M. Stoltz, and J. L. Beauchamp. *Int. J. of Mass Spec.* **2003**, *228*, 851-864.

28. Palladium-Catalyzed Oxidative Wacker Cyclizations in Nonpolar Organic Solvents with Molecular Oxygen: A Stepping Stone to Asymmetric Aerobic Cyclizations, Raissa M. Trend, Yeeman K. Ramtohul, Eric M. Ferreira, and Brian M. Stoltz. *Angew. Chem. Int. Ed.* **2003**, *42*, 2892-2895. (Raissa M. Trend, Yeeman K. Ramtohul, Eric M. Ferreira, and Brian M. Stoltz. *Angew. Chem.* **2003**, *115*, 2998-3001).

27. Gas Phase Synthesis of Charged Copper and Silver Fischer Carbenes from Diazomalonates: Mechanistic and Conformational Considerations in Metal Mediated Wolff Rearrangements, Ryan R. Julian, Jeremy A. May, Brian M. Stoltz, and J. L. Beauchamp. *J. Am. Chem. Soc.* **2003**, *125*, 4478-4486.

26. Molecular Mousetraps: Gas Phase Studies of the Covalent Coupling of Non-Covalent Complexes Initiated by Reactive Carbenes Formed by Controlled Activation of Diazo Precursors, Ryan R. Julian, Jeremy A. May, Brian M. Stoltz, and J. L. Beauchamp. *Angew. Chem Int. Ed.* **2003**, *42*, 1012-1015.

25. The Palladium-Catalyzed Enantioselective Oxidation of Alcohols: A Dramatic Rate Acceleration by Cs_2CO_3/t-BuOH. Jeffrey T. Bagdanoff, Eric M. Ferreira and Brian M. Stoltz. *Org. Lett.* **2003**, *5*, 835-837.

24. Biomimetic Approach to Communesin B (a.k.a. Nomofungin). Jeremy A. May, Ryan K. Zeidan, and Brian M. Stoltz. *Tetrahedron Lett.* **2003**, *44*, 1203-1205.

23. The First Total Synthesis of Dragmacidin D, Neil K. Garg, Richmond Sarpong, and Brian M. Stoltz. *J. Am. Chem. Soc.* **2002**, *124*, 13179-13184.

22. Non Carbonyl-Stabilized Metallocarbenoids in Synthesis: The Development of a Tandem Rhodium-Catalyzed Bamford-Stevens/Thermal Aliphatic Claisen Rearrangement Sequence, Jeremy A. May, and Brian M. Stoltz. *J. Am.*

Chem. Soc. **2002**, *124*, 12426-12427. For a commentary on this paper, see: Brian L. Gray and S. V. Ley *Chemtracts-Organic Chemistry* **2004**, *17*, 235.

21. Molecular Recognition of Arginine in Small Peptides by Supramolecular Complexation with Dibenzo-30-Crown-10 Ether, Ryan R. Julian, Minta Akin, Jeremy A. May, Brian M. Stoltz, and J. L. Beauchamp. *Int. J. of Mass Spec.* **2002**, *220*, 87-96.

20. Progress toward the Synthesis of Garsubellin A and Related Phloroglucins: The Direct Diastereoselective Synthesis of the Bicyclo[3.3.1]nonane Core, Sarah J. Spessard and Brian M. Stoltz. *Org. Lett.* **2002**, *4*, 1943-1946.

19. The Palladium-Catalyzed Oxidative Kinetic Resolution of Secondary Alcohols with Molecular Oxygen, Eric M. Ferreira and Brian M. Stoltz. *J. Am. Chem. Soc.* **2001**, *123*, 7725-7726. For commentaries on this paper, see: a) *Chem. Ind. (London)* **2001**, 588. b) *Chem. Eng. News* **2001**, *7/30*, 40. c) Nicholas, K. M. *Chemtracts-Organic Chemistry* **2001**, 654. d) *Organic Process Research and Development* **2001**, *5*, 554.

Graduate and Postdoctoral (pre-2000):

18. Welwitindolinone C Synthetic Studies. Construction of the welwitindolinone carbon skeleton via a transannular nitrone cycloaddition, David B. Freeman, Alexandra A. Holubec, Matthew W. Weiss, Julie A. Dixon, Akio Kakefuda, Masami Ohtsuka, Munenori Inoue, Rishi G. Vaswani, Hidenori Ohki, Brian D. Doan, Sarah E. Reisman, Brian M. Stoltz, Joshua J. Day, Ran N. Tao, Noah A. Dieterich, John L. Wood. *Tetrahedron* **2010**, *66,* 6647-6655.

17. Synthesis of C(3) Benzofuran-Derived Bisaryl Quaternary Centers: Approaches to Diazonamide A, Douglas E. Fuerst, Brian M. Stoltz, and John L. Wood. *Org. Lett.* **2000**, *2*, 3521-3523.

16. Enantioselective Total Synthesis of Nicandrenones, Brian M. Stoltz, Taichi Kano, and E. J. Corey. *J. Am. Chem. Soc.* **2000**, *122*, 9044-9045.

15. Mechanistic Insights into the Factors Determining *Exo-Endo* Selectivity in the Lewis Acid-Catalyzed Diels-Alder Reaction of 1,3-Dienes with 2-Cycloalkenones, Min Ge, Brian M. Stoltz, and E. J. Corey. *Org. Lett.* **2000**, *2*, 1927-1929.

14. Cuprous Chloride Accelerated Stille Reactions. A General and Effective Coupling System for Sterically Congested Substrates and for Enantioselective Synthesis, Xiaojun Han, Brian M. Stoltz, and E. J. Corey. *J. Am. Chem. Soc.* **1999**, *121*, 7600-7605.

13. A Simple and Effective Procedure for Removal of Tri-*n*-butyltin Halides from Reaction Mixtures, Benjamin S. Edelson, Brian M. Stoltz and E. J. Corey. *Tetrahedron Lett.* **1999**, *40*, 6729-6730.

12. Novel Annulation Products Derived by Selective Attack on the C(18) Angular Methyl Group of the Cardenolide Ouabain, E. J. Corey and Brian M. Stoltz. *Tetrahedron Lett.* **1999**, *40*, 2061-2064.

11. Total Synthesis and Protein Kinase Activity of C(7) Methyl Derivatives of K252a, John L. Wood, Dejah T. Petsch, Brian M. Stoltz, Elizabeth M. Hawkins, Daniel Elbaum, and David R. Stover. *Synthesis* **1999**, 1529-1533

10. Application of Reactive Enols in Synthesis: A Versatile Efficient and Stereoselective Construction of the Welwitindolinone Carbon Skeleton, John L. Wood, Alexandra A. Holubec, Brian M. Stoltz, Matthew M. Weiss, Julie A. Dixon, Brian D. Doan, Mohammed F. Shamji, Jennifer M. Chen, and Timothy P. Heffron. *J. Am. Chem. Soc.* **1999**, *121*, 6326-6327.

9. Development of a Rhodium Carbenoid-Initiated Claisen Rearrangement for the Enantioselective Synthesis of α-Hydroxy Carbonyl Compounds, John L. Wood, George A. Moniz, Derek A. Pflum, Brian M. Stoltz, Alexandra A. Holubec, and Hans-Jürgen Dietrich. *J. Am. Chem. Soc.* **1999**, *121*, 1748-1749.

8. The Design and Implementation of an Efficient Synthetic Approach to Pyranosylated Indolocarbazoles: The Total Synthesis of (+)-RK286c, (+)-MLR-52, (+)-Staurosporine, and (-)-TAN-1030a, John L. Wood, Brian M. Stoltz, Steven N. Goodman, and Kenolisa Onwueme. *J. Am. Chem. Soc.* **1997**, *119*, 9652-9661.

7. The Design and Implementation of an Efficient Synthetic Approach to Furanosylated Indolocarbazoles: The Total Synthesis of (+)- and (-)-K252a, John L. Wood, Brian M. Stoltz, Hans-Jürgen Dietrich, Derek A. Pflum, and Dejah T. Petsch. *J. Am. Chem. Soc.* **1997**, *119*, 9641-9651.

6. The Total Synthesis of Indolocarbazole Natural Products K252c, (+)-K252a, (+)-RK-286c, (+)-MLR-52, (-)-TAN-1030a, and (+)-Staurosporine, Brian M. Stoltz, Ph.D. Thesis, Yale University, May 1997.

5. The Total Synthesis of (+)-RK-286c, (+)-MLR-52, (+)-Staurosporine and (+)-K252a, John L. Wood, Brian M. Stoltz, and Steven N. Goodman. *J. Am. Chem. Soc.* **1996**, *118*, 10656-10657. For a commentary on this paper, see: *Chem. Eng. News* **1996**, *11/4*, 6.

4. The Synthesis of Desamido Analogs of Staurosporine, RK-286c, and TAN-1030a. A Model for the Synthesis of Both Furanosylated and Pyranosylated Indolocarbazole Natural Products, John L. Wood, Brian M. Stoltz, Kenolisa Onwueme and Steven N. Goodman. *Tetrahedron Lett.* **1996**, *37*, 7335-7338.

3. The Stereoselective Ring Contraction of a Pyranosylated Indolocarbazole. A Biosynthetic Link Between K252a and Staurosporine?, Brian M. Stoltz and John L. Wood. *Tetrahedron Lett.* **1996**, *37*, 3929-3930.

2. A Ring Expansion Approach to Pyranosylated Indolocarbazoles, Brian M. Stoltz and John L. Wood. *Tetrahedron Lett.* **1995**, *36*, 8543-8544.

1. The Total Synthesis of (+)- and (–)-K252a, John L. Wood, Brian M. Stoltz, and Hans-Jürgen Dietrich. *J. Am. Chem. Soc.* **1995**, *117*, 10413-10414.

* = book chapter

Patents

23. Methods For Preparing Bis-Tetrahydroisoquinoline-Containing Compounds. Brian M. Stoltz, Eric R. Welin, Scott C. Virgil, Pamela Tadross, Gerit M. Pototschnig, Aurapat Ngamnithiporn, Kenji Negoro, Guillaume Lapointe, Max Klatte, Christopher Haley, Christian Gruenanger, Emil Glibstrup, Christopher Gilmore, and Kevin McCormack Allan. *United States Patent* US 10,526,334, **2020**

22. Enantioselective Synthesis of α-Quaternary Mannich Adducts by Palladium-Catalyzed Allylic Alkylation. Brian M. Stoltz, Yoshitaka Numajiri, Beau P. Pritchett, and Koji Chiyoda. *United States Patent* US 10421696, **2019**.

21. Methods for Enantioselective Allylic Alkylation of Esters, Lactones and Lactams with Unactivated Allylic Alcohols, Brian M. Stoltz, Aurapat Ngamnithiporn, Carina I. Jette, Shoshana Bachman, Scott C. Virgil, and Sebastian Lackner. *United States Patent* US 10358422, **2019**.

20. Asymmetric Catalytic Decarboxylative Allylic Alkylation Using Low Catalyst Concentrations and a Robust Precatalyst, Brian M. Stoltz, Alexander N. Marziale, Robert A. Craig II, Douglas C. Duquette, Kelly E. Kim, Marc Liniger, and Yoshitaka Numajiri. *United States Patent* US 10106479, **2018**.

19. Preparation of Silylamines by the dehydrogenative Coupling of N–H and Si–H Bonds, Anton Toutov, Kerry Betz, Alexey Fedorov, Brian M. Stoltz, Wen-bo Liu, and Robert H. Grubbs. *United States Patent* US 10125153, **2018**.

18. Compositions and Methods for Acylating Lactams, Brian M. Stoltz, Masaki Hayashi, and Satoshi Hashimoto. *United States Patent* US 10040784, **2018**.

17. Base-Catalyzed Silylation of Terminal Olefinic C–H Bonds, Anton Toutov, Wen-bo Liu, Kerry Betz, Alexey Fedorov, Brian M. Stoltz, and Robert H. Grubbs. *United States Patent* US 10059726, **2018**.

16. Silylation of aromatic heterocycles by earth abundant transition-metal-free catalysts, Anton Toutov, Kerry Betz, Alexey Fedorov, Brian M. Stoltz, Wen-bo Liu, and Robert H. Grubbs. *United States Patent* US 9809607, **2017**.

15. Synthesis of Chiral Enaminones, Their Derivatives, and Bioactivity Studies Thereof, Brian M. Stoltz, Dennis A. Dougherty, Douglas Duquette, and Noah Duffy. *United States Patent* US 9518034, **2016**.

14. Base-Catalyzed Silylation of Terminal Alkyne C–H Bonds, Anton Toutov, Kerry Betz, Brian M. Stoltz, Wen-bo Liu, and Robert H. Grubbs. *United States Patent* US 9556206, **2017** and *United States Patent* US 10072030, **2018**

13. Silylation of Aromatic Heterocycles by Disilanes Using Potassium Alkoxide Catalysts, Anton Toutov, Wen-bo Liu, Brian M. Stoltz, Robert H. Grubbs, Kerry Betz, and David P. Schuman. *United States Patent* US 9556080, **2017**. Continued as US 9764995, **2017**.

12. Palladium-catalyzed decarbonylation of fatty acid anhydrides for the production of linear alpha olefins, Yiyang Liu, Brian M. Stoltz, Robert H. Grubbs, Alexey Fedorov, and Kelly E. Kim. *United States Patent* US 9440891, **2016**.

11. Synthetic Transtaganolide and Basiliolide Products, Derivatives thereof, and Synthesis Methods Thereof, Hosea Nelson, Kei Murakami, Scott C. Virgil, Brian M. Stoltz, and Jonathan R. Gordon. *United States Patent* US 9422259, **2016**.

10. Method of preparing Z-alkene-containing insect pheromones, Eric A. Bercot and Brian M. Stoltz. *United States Patent* US 9181164, **2015**.

9. Inhibitors of P97, Steven J. Brown, Tsui-Fen Chou, Raymond Deshaies, Amanda C. Jones, Hugh Rosen, Brian M. Stoltz. *United States Patent* US 9089572, **2015**.

8. Synthetic Transtaganolide and Basiliolide Products, Derivatives thereof, and Synthesis Methods Thereof, Hosea Nelson, Kei Murakami, Scott C. Virgil, Brian M. Stoltz, and Jonathan R. Gordon. *United States Patent* US 8912347, **2014**.

7. Quaternary Heteroatom Containing Compounds, Brian M. Stoltz, Scott C. Virgil, David E. White, Taiga Yurino, Yiyang Liu, Douglas C. Behenna, Douglas Duquette, and Christian Eidamshaus. *United States Patent* US 8822679, **2014** and *Japanese Patent* JP 6061923. Continued as US 10035769, **2018**.

6. Liphagal Enantiomers and their Derivatives and Precursors, and Enantioselevctive Methods of Making the Same, Brian M. Stoltz, Ryan McFadden, Scott C. Virgil, Helene Kolding, Jennifer L. Alleva, and Joshua J. Day. *United States Patent* US 8653307, **2014**.

5. Certain Chemical Entities, Compositions, and Methods, Zhe Yang, Scott Collibee, Alex R. Muci, Jianchao Wang, Luke W. Ashcraft, Jeff Gardina, Brian M. Stoltz, Gustave Bergnes, and Bradley P. Morgan. *United States Patent* US 7989469, **2011**.

4. Enantioselective, Catalytic Allylation of Ketones and Olefins, Douglas C. Behenna, Brian M. Stoltz, Justin T. Mohr, Andrew M. Harned. *United States Patent* US 7235698, **2007**.

3. Methods and Compositions for Enantioselective Oxidation Reactions, Eric M. Ferreira, Brian M. Stoltz. *United States Patent* US 7166754, **2007**.

2. Chemical Reagents Capable of Selective Attachment to and Reaction with Peptides and Proteins, Jesse L. Beauchamp, Ryan R. Julian, Brian M. Stoltz and Jeremy A. May. *United States Patent* US 7696361, **2010**.

1. Glycosylated Indolocarbazole Synthesis, John L. Wood, Brian M. Stoltz, Hans-Jürgen Dietrich, and Derek A. Pflum. Worldwide Patent WO 97/07081, **1997** and *United States Patent* US 6037468, **2000**. Continued as US 7038043, **2006.**

Presentations:
Independent (2000-present):

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry. Brian M. Stoltz. 2/21/2020. University of Texas at San Antonio, San Antonio, TX.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry. Brian M. Stoltz. 9/27/2019. University of North Carolina at Wilmington. Wilmington, NC.

The Total Synthesis of Complex Alkaloids. Brian M. Stoltz. 6/1/2019. Invited Speaker at the 29th Symposium on Optically Active Compounds. University of Tokyo. Tokyo, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry. Brian M. Stoltz. 5/30/2019. Invited Seminar at the 1st International Symposium on Hybrid Catalysis for Enabling Molecular Synthesis on Demand. University of Tokyo. Tokyo, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry. Brian M. Stoltz. 5/29/2019. 84th KMC Frontier Seminar. Kitasato University. Tokyo, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry. Brian M. Stoltz. 5/15/2019. Boehringer Ingelheim Pharmaceuticals, Ridgefield, CT.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/9/2019. Invited Lecturer at the 2019 Leo A. Paquette Legacy Symposium. The Ohio State University, Columbus, OH.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/30/2019. AbbVie, North Chicago, IL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/17/2019. Baylor University, Waco, TX.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/5/2019. Drexel University, Philadelphia, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/4/2019. Temple University, Philadelphia, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/1/2019. Bristol-Myers Squibb Lecturer, University of Chicago, Chicago, IL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/19/2019. University of Texas, Southwestern Medical Center, Dallas, TX.

The Total Synthesis of Complex Alkaloids, Brian M. Stoltz. 2/5/2019. Fèlix Serratosa Conference, Autonomous University of Barcelona, Barcelona, Spain.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/4/2019. Fèlix Serratosa Conference, University of Barcelona, Barcelona, Spain.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/29/2018. Boehringer-Ingelheim Lecture at UCLA, University of California, Los Angeles, Los Angeles, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/27/2018. Philadelphia Organic Chemists Club, Philadelphia, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/26/2018. Merck, West Point, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/7/2018. University of California, Merced. Merced, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/18/2018. 2018 Gordon Research Conference on Organic Reactions and Processes, Stonehill College, Easton, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/17-18/2018. Plenary Lecturer at the 7th Grubbs Symposium. Southern University of Science and Technology (SUSTech), Shenzhen, China.

Precision Synthesis at Caltech. Brian M. Stoltz. 4/21/2018. Invited Speaker. Chen Workshop on Chemistry and the Brain: Chemistry for Neuroscientists, California Institute of Technology, Pasadena, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry. Brian M. Stoltz. 4/18/2018. Invited lecturer. Symposium in honor of Professor Elias J. Corey's 90th Birthday. Bristol-Myers Squibb, Princeton, NJ.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/13/2018. Invited lecturer, USC Stauffer Symposium in honor of Professor John F. Hartwig, University of Southern California, Los Angeles, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/21/2018. Award Address, Creative Work in Synthetic Organic Chemistry Award Symposium, 255th American Chemical Society National Meeting, New Orleans, LA.

What could be more fun than…TOC@CIT (Teaching Organic Chemistry at Caltech)? Brian M. Stoltz. 2/26/2018. Richard P. Feynman Prize Lecture, California Institute of Technology, Pasadena, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/3/2017. Plenary Lecturer at the 39th Annual Princeton-ACS Fall Organic Chemistry Symposium, Princeton University, Princeton, NJ.

The Total Synthesis of Complex Alkaloids, Brian M. Stoltz. 9/22/2017. The Royal Australian Chemical Institute (RACI), New South Wales Natural Products Chemistry Group, Annual One-Day Symposium, Macquarie University, Sydney, Australia,

The Twists and Turns of Lactam Research, Brian M. Stoltz. 9/22/2017. 2017 John C. Cornforth Lecturer, University of Sydney, Sydney, Australia,

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/20/2017. Cornforth Plenary Lecture. 2017 John C. Cornforth Lecturer, University of Sydney, Sydney, Australia,

The Total Synthesis of Complex Alkaloids, Brian M. Stoltz. 9/18/2017. 2017 John C. Cornforth Lecturer, University of Sydney, Sydney, Australia,

The Twists and Turns of Lactam Research, Brian M. Stoltz. 8/39/2017. Suterra. Bend, OR.

The Twists and Turns of Lactam Research, Brian M. Stoltz. 8/21/2017. 254th American Chemical Society National Meeting, Philadelphia, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 8/18/2017. Eun Lee Lectureship, Seoul National University, Seoul, Korea.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 8/17/2017. Gwanju Institute of Science and Technology (GIST), Gwangju, Korea.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 8/16/2017. LG, Daejeon, Korea.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/31/2017. Shanghai Jiao Tong University, Shanghai, China.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/29-30/2017. Plenary Lecturer at the 6th Grubbs Symposium. Southern University of Science and Technology (SUSTech), Shenzhen, China.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/20/2017. Invited Speaker. TexSyn III. University of Texas, Southwestern Medical Center. Dallas, TX.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/4/2017. Janssen Pharmaceuticals. La Jolla, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/30/2017. Bayer AG. Berlin, Germany.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/29/2017. Bayer Life Science Lecture Series and German Chemical Society Seminar Series, Bayer AG and University of Wuppertal, Wuppertal, Germany.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/26/2017. Student Invited Distinguished Lecturer. Scripps Florida. Jupiter, FL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/1/2016. Novartis Institutes for Bio Medical Research, Emeryville, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/1/2016. Keynote Speaker. 7th Chicago Organic Symposium. Loyola University of Chicago. Chicago, IL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/16/2016. University of Texas at Arlington. Arlington, TX.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 8/30/2016. Suterra. Bend, OR.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/4/2016. Invited Speaker. Balticum Organicum Syntheticum, BOS-2016. Riga, Latvia.

Catalysis and Chemical Synthesis: Art, Science, and Human Health, Brian M. Stoltz. 5/21/2016. Caltech Alumni Seminar Day, Pasadena, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/22/2016. San Diego State University. San Diego, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/24/2016. Plenary Speaker. 2nd Anatolian Conference on Synthetic Organic Chemistry (ACSOC II). Kusadasi, Aydin, Turkey.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/2/2016. A. H. Blatt Distinguished Lecturer, Florida Institute of Technology, Melbourne, FL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/4/2016. Plenary Lecturer at the Novartis Chemistry Lecture Day. Novartis, Basel, Switzerland.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/19/2016. Student Invited Lecturer. Purdue University, West Lafayette, IN.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/18/2016. Indiana University, Bloomington, IN.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/14/2015. Eidgenössische Technische Hochschule (ETH), Zürich, Switzerland.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/24/2015. 2015 Roche Lecturer. The Scripps Research Institute, La Jolla, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/20/2015. Louisiana State University, Baton Rouge, LA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/19/2015. Albemarle Corporation, Baton Rouge, LA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/1/2015. Dartmouth College, Hanover, NH.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/29/2015. Organic Syntheses Distinguished Lecturer. University of New Hampshire, Durham, NH.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/18/2015. Japan Tobacco Central Pharmaceutical Research Institute. Takatsuki, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/16/2015. 2015 Mukaiyama Award Lecture. Society of Synthetic Organic Chemistry of Japan, Summer Seminar. Yugawara, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/9/2015. Suterra. Bend, OR.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 8/28/2015. Plenary Speaker. 25th International Society of Heterocyclic Chemistry Congress. Santa Barbara, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/14/2015. Plenary Speaker. 16th Blue Danube Symposium on Heterocyclic Chemistry. Balatonalmádi, Hungary.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/12/2015. Genentech, South San Francisco, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/8/2015. Dart Neuroscience, San Diego, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/16/2015. Dupont Stine-Haskell Research Center, Newark, DE.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/8/2015. Invited Lecture, Student Hosted Colloquium. University of Southern California, Los Angeles, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/27/2015. Invited Lecturer at the Tetrahedron Awards Symposium in honor of Professor Jiro Tsuji at the Chemical Society of Japan Annual Meeting. Chiba, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/19/2015. 3-V Biosciences. Menlo Park, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/15/2014. Keynote Lecture. 8th Singapore International Chemical Conference (SICC-8). National University of Singapore, Singapore.

Making Molecules: Art, Science, And Human Health, Brian M. Stoltz. 11/18/2014. Moorpark College. Moorpark, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/7/2014. The 3rd Annual John Eisch Lectureship in Organic Synthesis. Binghamton University, State University of New York. Binghamton, NY.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/30/2014. Invited Speaker. Fifteenth Tetrahedron Symposium Asia Edition. Singapore Expo, Singapore.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/28/2014. Nanyang Technological University. Singapore.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/15/2014. 2003 Young Investigator Alumni Lecture, 12th Annual Young Investigators Symposium and Awards Ceremony, Amgen, Thousand Oaks, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/24/2014. School of Pharmaceutical Sciences, Peking University, Beijing, China.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/21-23/2014. Keynote Lecture. BIT's 5th Annual Global Congress of Catalysis-2014. Qingdao, China.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/16/2014. Gilead Alberta, Edmonton, Alberta, Canada.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/15/2014. Gilead Alberta Lecture 2014. University of Alberta, Edmonton, Alberta, Canada.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/13/2014. Plenary Speaker. Harry H. Wasserman Memorial Symposium, Yale University, New Haven, CT.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/27/2014. Invited Speaker. Fifteenth Tetrahedron Symposium. London, UK.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/23/2014. Syngenta, Jealott's Hill International Research Centre, Bracknell, Berkshire, UK.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/5/2014. Givaudan, Dübendorf, Switzerland.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/28/2014. Amgen, South San Francisco, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/25/2014. Roche, Shanghai, China.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/24/2014. East China Normal University, Shanghai, China.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/23/2014. Shanghai Institute of Organic Chemistry, Shanghai, China.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/15/2014. Clayton H. Heathcock Lecture in Organic Chemistry. University of California, Berkeley, Berkeley, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/4/2014. Mercachem Lecturer. 2014 Wageningen Symposium on Organic Chemistry. Wageningen, Netherlands.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/3/2014. Pfizer Lecture. Harvard University, Cambridge, MA.

Making Molecules: Art, Science, And Human Health, Brian M. Stoltz. 1/14/2014. Invited presentation in the "People and their passions" seminar series at the Pasadena Senior Center. Pasadena, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/12/2013. Plenary Lecture. 6th PKU-Eli Lilly Symposium of Organic Chemistry. Peking University. Beijing, China.

A Novel Approach to Antitumor Antibiotics: Using the Power of Benzyne in Synthesis, Brian M. Stoltz. 9/26/2013. Invited Lecturer. 13th International Conference on the Chemistry of Antibiotics and Other Bioactive Compounds (ICCA-13). Yamanashi, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/18/2013. Gopal Singhal Lecture. Wayne State University. Detroit, MI.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/5/2013. U.S. Army Research Laboratories. Aberdeen Proving Grounds, MD.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 8/29/2013. Novartis Sponsored Plenary Lecturer. ArmChemFront: Frontiers in Chemistry. Yerevan, Armenia.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 7/18/2013. Millennium Pharmaceuticals. Cambridge, MA.

Methods for the Synthesis of All-Carbon Quaternary Centers, Brian M. Stoltz. 7/18/2013. 2013 Gordon Research Conference on Organic Reactions and Processes, Smithfield, RI.

The Intertwined Nature of Chemical Synthesis and the Discovery Process, Brian M. Stoltz. 6/11/2013. Subject Day Plenary Speaker. Université de Neuchatel and Université de Fribourg. Neuchatel, Switzerland.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/10/2013. Subject Day Plenary Speaker. Université de Neuchatel and Université de Fribourg. Neuchatel, Switzerland.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 4/25/2013. JSPS Speaker. Shionogi, Inc. Osaka, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/25/2013. JSPS Speaker. Shionogi, Inc. Osaka, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/24/2013. IOCF Lectureship Award and JSPS Speaker. School of Engineering, Osaka University. Osaka, Japan.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 4/23/2013. JSPS Speaker. Ono Pharmaceuticals. Minase, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/23/2013. JSPS Speaker. Graduate School of Science, Kyoto University. Kyoto, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/22/2013. IOCF Lectureship Award and JSPS Speaker. School of Engineering, Kyoto University. Kyoto, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/20/2013. JSPS Speaker. Nagoya University. Nagoya, Japan.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 4/19/2013. JSPS Speaker. Toray. Fujisawa, Japan.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 4/19/2013. JSPS Speaker. Eisai. Tsukuba, Japan.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 4/18/2013. JSPS Speaker. Daiichi-Sankyo. Tokyo, Japan.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 4/18/2013. JSPS Speaker. Mitsui Chemicals, Inc. Sodegaura-city, Chiba, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/17/2013. JSPS Speaker and 38th KMC Frontier Seminar. Kitasato University. Tokyo, Japan.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 4/16/2013. JSPS Speaker. Astellas. Tsukuba, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/16/2013. JSPS Speaker. Tsukuba University. Tsukuba, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/15/2013. JSPS Speaker. Tohoku University. Sendai, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/13/2013. JSPS Speaker. Keio University. Yokohama, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/12/2013. JSPS Speaker. University of Tokyo. Tokyo, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/11/2013. JSPS Speaker. Tokyo Institute of Technology. Tokyo, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/25/2013. Student Invited Organic Chemistry Seminar Speaker. Colorado State University. Ft. Collins, CO.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/21/2013. Suterra. Bend, OR.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/4/2013. Ohio State University. Columbus, OH.

Complex Biologically Active Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/28/2013. Department of Pharmaceutical Sciences, University of Wisconsin School of Pharmacy. Madison, WI.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/19/2013. Novartis Institutes for BioMedical Research, Emeryville, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/13/2013. GlaxoSmithKline, Research Triangle Park, NC.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/12/2013. *Organic Syntheses* Lecturer. Duke University. Durham, NC.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/7/2012. Pattenden Lecturer at the Nottingham Synthesis Meeting. University of Nottingham. Nottingham, UK.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/26/2012. Plenary Lecturer at the ORCHEM 2012: 18. Lecture Conference. Weimar, Germany.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/15/2012. Plenary Lecturer at the 2nd Pharmaron Symposium on Synthetic and Medicinal Chemistry. Pharmaron Main Campus. Beijing, China.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/14/2012. Student invited lecturer at the School of Chemical Biology and Biotechnology. Peking University, Shenzhen Graduate School. Shenzhen, China.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/6/2012. Plenary Lecturer at the 2nd Symposium of the Institute for Basic Science: C–H Activation and Organic Synthesis. Seoul, Korea.

A Novel Approach to Antitumor Antibiotics: Using the Power of Benzyne in Synthesis, Brian M. Stoltz. 8/21/2012. Award Address, TEVA ACS Scholars Grants Symposium, 244th American Chemical Society National Meeting, Philadelphia, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/6/2012. Plenary Lecturer at the combined 19th International Conference on Organic Synthesis and the 24th Royal Australian Chemical Institute Organic Conference. Melbourne, Australia.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/3/2012. Pfizer, La Jolla, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/2/2012. California State University, Long Beach, Long Beach, CA.

The Intertwined Nature of Chemical Synthesis and the Discovery Process, Brian M. Stoltz. 3/30/2012. Brigham Young University, Provo, UT.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/29/2012. Brigham Young University, Provo, UT.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/22/2012. Philadelphia Organic Chemists Club, Philadelphia, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/16/2012. Plenary lecture at the NJACS-Rutgers, 15th Chemistry as a Life Science Symposium (CAALS XV), Rutgers University, Newark, NJ.

Complex Heterocycles as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/6/2012. Plenary lecture at the FloHet 2012 meeting, University of Florida, Gainesville, FL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/1/2012. Nankai University Lectureship, Nankai University, Tianjin, China.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/23/2012. Gilead Sciences, Seattle, WA.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 2/16/2012. Celgene, Summit, NJ.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 2/16/2012. Roche, Nutley, NJ.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 12/14/2011. Vertex Pharmaceuticals (Discovery Chemistry Group), Cambridge, MA.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 12/13/2011. Vertex Pharmaceuticals (Development Chemistry Group), Cambridge, MA.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 12/8/2011. Bristol-Myers Squibb, Wallingford, CT.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/7/2011. University of Connecticut, Storrs, CT.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 11/15/2011. Grünenthal GmbH, Aachen, Germany.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 11/11/2011. 43rd Western Regional Meeting of the American Chemical Society, Pasadena, CA.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 10/31/2011. DaiichiSankyo Pharmaceuticals, Shinagawa Research and Development Center, Tokyo, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/29/2011. Plenary Lecturer at the 2nd Tishler-Ōmura Symposium, Kitasato Institute for Life Sciences & Graduate School of Infection Control Science, Kitasato University, Tokyo, Japan.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 10/28/2011. Takeda Pharmaceuticals, Takeda Shonan Research Center, Fujisawa City, Kanagawa Prefecture, Japan.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/20/2011. University of Arizona, Tucson, AZ..

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/13/2011. University of Notre Dame, Notre Dame, IN.

The Intertwined Nature of Chemical Synthesis and the Discovery Process, Brian M. Stoltz. 10/4/2011. R. C. Fuson Visiting Professorship Lecture, University of Illinois at Urbana-Champaign, Urbana, IL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/3/2011. R. C. Fuson Visiting Professorship Lecture, University of Illinois at Urbana-Champaign, Urbana, IL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/16/2011. Abbott Laboratories, Chicago, IL.

Approachable Methods for the Synthesis of All-Carbon Quaternary Stereocenters, Brian M. Stoltz. 9/8/2011. Vertex Pharmaceuticals, La Jolla, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/2/2011. Plenary Lecturer at the 14th Brazilian Meeting on Organic Synthesis (BMOS). Brasilia, Brazil.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/27/2011. 2011 Natural Products Gordon Research Conference, Smithfield, RI.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/14/2011. Plenary Lecturer at the 22nd International Symposium: Synthesis in Organic Chemistry. Churchill College, University of Cambridge. Cambridge, UK.

Heterocycles as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/27/2011. 2011 Heterocycles Gordon Research Conference, Newport, RI.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/17/2011. EMD-Serono, Billerica, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/12/2011. Lester S. Andrews Plenary Lecturer at the inaugural Mississippi State University Chemistry Department Student Symposium. Mississippi State University, Starkville, MS.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/6/2011. Amgen, Cambridge, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/30/2011. Herbert C. Brown Lectures in Organic Chemistry. Purdue University, West Lafayette, IN.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/19/2011. University of Houston, Houston, TX.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/14/2011. University of Florida, Gainesville, FL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/25/2011. Ta-shue Chou Award lecture. Ta-shue Chou Symposium, Academia Sinica, Taipei, Taiwan.

The Intertwined Nature of Chemical Synthesis and the Discovery Process, Brian M. Stoltz. 2/24/2011. National Taiwan University, Taipei, Taiwan.

The Intertwined Nature of Chemical Synthesis and the Discovery Process, Brian M. Stoltz. 12/15-20/2010. Invited lecturer in the "Metal Catalysis for Asymmetric Synthesis" Symposium. ACS PacifiChem Conference, Honolulu, HI.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/15-20/2010. Invited lecturer in the "The Science and Strategy of Process Chemistry: From Molecules to Pharmaceutical Design" Symposium. ACS PacifiChem Conference, Honolulu, HI.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/18/2010. Schulich Visiting Professor Lectureship, Technion-The Israel Institute of Technology, Haifa, Israel.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/4/2010. WuXi AppTec, Shanghai, China

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/3/2010. Shanghai Institute of Organic Chemistry, Shanghai, China.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/22/2010. Plenary Speaker, Advances in Chemical Sciences "Bench to Pilot Plant" Symposium, Northeastern Section of the American Chemical Society (NESACS), Cambridge, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/24/2010. Plenary Speaker, GSK Chemistry Scholars Symposium, GlaxoSmithKline, Research Triangle Park, NC.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/14/2010. GlaxoSmithKline, King of Prussia, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/13/2010. Cephalon, West Chester, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/9/2010. Invited Speaker, ESF-COST High-Level Research Conference on Natural Products Chemistry, Biology and Medicine III, Acquafredda di Maratea, Italy.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/23/2010. Tetrahedron Young Investigator Award Lecture, Eleventh Tetrahedron Symposium. Beijing, China.

The Intertwined Nature of Chemical Synthesis and the Discovery Process, Brian M. Stoltz. 6/9/2010. Infinity Pharmaceuticals, Cambridge, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/24/2010. Materia, Pasadena, CA.

Making Molecules: Art, Science, And Human Health, Brian M. Stoltz. 5/8/2010. Invited presentation to the Associates of the California Institute of Technology. California Institute of Technology, Pasadena, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/7/2010. Invited Lecture, Keith Fagnou Organic Chemistry Symposium (KFOS), University of Ottawa, Ottawa, Ontario, Canada.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/27/2010. University of Illinois, Chicago, Chicago, IL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/23/2010. Eli Lilly Lecture Series, University of Toronto, Toronto, Ontario, Canada.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/13/2010. 2010 Bayer/UPenn Student Seminar Series Speaker, University of Pennsylvania, Philadelphia, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/9/2010. Invited Lecture at the 2010 R. Bryan Miller Symposium. University of California, Davis, Davis, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/17/2010. Inaugural Student Choice Speaker, Pennsylvania State University, State College, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/5/2010. University of Iowa, Ames, IA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/25/2010. University of Texas Southwestern Medical Center, Dallas, TX.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/18/2010. Merck, West Point, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/17/2010. Merck, Rahway, NJ.

The Intertwined Nature of Chemical Synthesis and the Discovery Process, Brian M. Stoltz. Frontiers in Chemical Research Distinguished Lecture Series. "Recent Advances in Synthetic Chemistry and Catalysis at Caltech." 2/10/2010. Texas A&M, College Station, TX.

Oxidation Catalysis: The Development of Aerobic Based Oxidation Methodology for Synthetic Chemists, Brian M. Stoltz. Frontiers in Chemical Research Distinguished Lecture Series. "Recent Advances in Synthetic Chemistry and Catalysis at Caltech." 2/9/2010. Texas A&M, College Station, TX.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. Frontiers in Chemical Research Distinguished Lecture Series. "Recent Advances in Synthetic Chemistry and Catalysis at Caltech." 2/8/2010. Texas A&M, College Station, TX.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/2/2010. Ironwood Pharmaceuticals, Cambridge, MA.

Oxidation Catalysis: The Development of Aerobic Based Oxidation Methodology for Synthetic Chemists, Brian M. Stoltz. 1/20/2010. Winter Enrichment Period (WEP), KAUST, Thuwal, Saudi Arabia.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/18/2010. Winter Enrichment Period (WEP), KAUST, Thuwal, Saudi Arabia.

Catalysis and Chemical Synthesis: Art, Science, and Human Health, Brian M. Stoltz. 1/16/2010. Winter Enrichment Period (WEP), KAUST, Thuwal, Saudi Arabia.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/18/2009. Plenary Lecture, Centre for Synthesis and Chemical Biology (CSCB) Recent Advances in Synthesis and Chemical Biology VIII Symposium, Royal College of Surgeons in Ireland, Dublin, Ireland.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/17/2009. GlaxoSmithKline, Stevenage, UK.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/19/2009. Sanofi-Aventis, Tucson, AZ.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/13/2009. University of Southern California, Los Angeles, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/11/2009. Plenary Lecture, Pfizer Fall Symposium, Pfizer Ltd., Sandwich, Kent, UK.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/10/2009. GlaxoSmithKline, Tonbridge, UK.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/26/2009. Invited Lecture, The Robert A. Welch Foundation Conference on Chemical Research, "Advances in Synthetic Chemistry", Houston, TX.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/7/2009. Plenary Lecture, AstraZeneca R&D Charnwood & Loughborough University Organic Synthesis Symposium, Loughborough University, Loughborough, UK.

The Intertwined Nature of Chemical Synthesis and the Discovery Process, Brian M. Stoltz. 10/6/2009. AstraZeneca Pharmaceuticals, Charnwood, UK.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/22/2009. Princeton-Wyeth Lectureship, Princeton, NJ.

The Intertwined Nature of Chemical Synthesis and the Discovery Process, Brian M. Stoltz. 9/22/2009. Wyeth Pharmaceuticals, Princeton, NJ.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/2/2009. Invited Lecture, GDCh-Wissenschaftsforum Chemie 2009, Frankfurt, Germany.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/31/2009. Syngenta, Jealott's Hill International Research Centre, Bracknell, Berkshire, UK.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/30/2009. Invited Lecture, OMCOS-15, Glasgow, Scotland.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/20/2009. Givaudan, Dübendorf, Switzerland.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/16/2009. Plenary speaker, 16th European Symposium on Organic Chemistry, Prague, Czech Republic.

Adventures, Applications, and Invention in Modern Organic Synthesis, Brian M. Stoltz. 7/6-10/2009. Givaudan-Karrer Distinguished Visiting Professorship Short Course (15 hour), Universität Zürich, Zürich, Switzerland.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/20/2009. Invited lecturer, ROCCAT meeting, Münster, Germany.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/9/2009. Infinity Pharmaceuticals, Cambridge, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/2/2009. Cytokinetics, South San Francisco, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/19/2009. Award address, Raymond and Beverly Sackler Prize in the Physical Sciences-Chemistry Symposium. Tel Aviv University, Tel Aviv, Israel.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/13/2009. St. Jude Children's Hospital, Memphis, TN

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/8/2009. Amgen, Thousand Oaks, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/29/2009. BiogenIdec, Cambridge, MA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/22/2009. Award Address, Elias J. Corey Award Symposium, American Chemical Society National Meeting, Salt Lake City, UT.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/24/2009. Columbia University, New York, NY

The Intertwined Nature of Chemical Synthesis and the Discovery Process, Brian M. Stoltz. 2/20/2009. Ironwood Pharmaceuticals, Cambridge, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/3/2009. Pfizer, St. Louis, MO.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/17/2008. RSC South East Regional Organic Meeting, University College London, plenary lecture, London, UK.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/11/2008. Amgen, South San Francisco, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/3/2008. Albany Molecular Research Institute, Syracuse, NY.

The Intertwined Nature of Chemical Synthesis and the Discovery Process, Brian M. Stoltz. 11/6/2008. The Lundbeck Lectureship, Danish Technical University, Copenhagen, Denmark.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/5/2008. The Lundbeck Lectureship, Lundbeck Pharmaceuticals, Copenhagen, Denmark.

The Intertwined Nature of Chemical Synthesis and the Discovery Process, Brian M. Stoltz. 10/23/2008. Andrew S. Kende Distinguished Lectureship, University of Rochester, Rochester, NY.

Oxidation Catalysis: The Development of Aerobic Based Oxidation Methodology for Synthetic Chemists, Brian M. Stoltz. 10/22/2008. Andrew S. Kende Distinguished Lectureship, University of Rochester, Rochester, NY.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/21/2008. Andrew S. Kende Distinguished Lectureship, University of Rochester, Rochester, NY.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/9/2008. University of California, Los Angeles, Los Angeles, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/2/2008. Ischia Advanced School of Organic Chemistry, invited speaker, Ischia, Italy.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/24/2008. California State University, Northridge, CA.

Stereochemically Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/27-8/1/2008. Stereochemistry Gordon Research Conference, Salve Regina University, Newport, RI.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/22/2008. New Jersey Biotechnology Chemistry Consortium (NJBCC) invited lecturer, Princeton, NJ.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/11/2008. Irvine-BMS Lecturer, University of California, Irvine, Irvine, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/3/2008. Vertex Pharmaceuticals, La Jolla, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/22-28/2008. IUPAC/ICOS-17 invited speaker, Daejeon, Korea.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/16/2008. Cope Scholar Speaker, Total Synthesis/Synthetic Methodology Symposium, 2008 Northwest/Rocky Mountain Regional Meeting of the American Chemical Society, Park City, UT.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/8-12/2008. French American Chemical Society Meeting (FACS XII) Invited Speaker, Santa Barbara, CA.

Catalysis and Chemical Synthesis: Art, Science, and Human Health, Brian M. Stoltz. 5/8/2008. KAUST GRP Investigator Award Lecture, Jeddah, Saudi Arabia.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/8/2008. Eisai Lecturer, University of Montreal, Montreal, Canada.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/1/2008. Vertex Pharmaceuticals, Cambridge, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/24/2008. Roche Biosciences, Palo Alto, CA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/7/2008. University of California, San Diego, La Jolla, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/27/2008. Invited lecturer, USC Stauffer Symposium in honor of Professor Larry E. Overman, University of Southern California, Los Angeles, CA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/17/2008. Washington State University, Pullman, WA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/11/2008. Abbott Laboratories, North Chicago, IL.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/7/2008. Boehringer-Ingelheim Lecture, University of Ottawa, Ottawa, Ontario, Canada.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/6/2008. Boehringer-Ingelheim Lecture, Boehringer-Ingelheim, Laval, Québec, Canada.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/5/2008. MethylGene Lecture, McGill Chemical Society, McGill University, Montreal, Québec, Canada.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/25/2008. Microbia, Inc., Cambridge, MA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/13/2007. Genentech, South San Francisco, CA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/6/2007. Schering-Plough, Cambridge, MA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/30/2007. Foster Colloquium Lecturer, State University of New York University at Buffalo, Buffalo, NY.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/15/2007. Exelixis, South San Francisco, CA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/8/2007. University of Utah, Salt Lake City, UT.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/26/2007. Invited lecturer, USF, FcoE-BITT Symposium on Molecular Diversity in Drug Design, Discovery and Delivery, Tampa, FL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/2/2007. Invited lecturer, ACS Prospectives meeting, Cambridge, MA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/7/2007. Invited plenary lecturer, 40th National Organic Symposium, Duke University, Durham, NC.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/17/2007. Invited plenary lecturer, 2007 Visions in Chemistry Symposium, Sanofi-Aventis, Bridgewater, NJ.

Natural Products as a Driving Force for Discovery and Collaboration, Brian M. Stoltz. 5/15/2007. Caltech-City of Hope Faculty Seminar Series Lecturer, California Institute of Technology, Pasadena, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/11/2007. Schering Plough Research Institute, Union, NJ.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/11/2007. Wyeth Research Laboratories, Pearl River, NY.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/11/2007. Vertex Pharmaceuticals, Cambridge, MA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/29/2007. Gilead Sciences, Foster City, CA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/20/2007. Sepracor, Marlborough, MA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/27/2007. Boston College, Chestnut Hill, MA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/20/2007. Achaogen, South San Francisco, CA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/16/2007. Invited plenary lecturer, 18th annual Frontiers in Chemistry Symposium, The Scripps Research Institute, La Jolla, CA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/13/2007. Student Invited Distinguished Lecturer, Scripps Florida, Jupiter, FL.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/26/2007. Novartis Institutes for BioMedical Research, Emeryville, CA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/25/2007. Cytokinetics, South San Francisco, CA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/19-20/2007. Student Invited Seminar and Abbott Workshop, University of Minnesota, Minneapolis, MN

Making Molecules: Art, Science, and Human Health, Brian M. Stoltz. 12/7/2006. Chaffey College, Rancho Cucamonga, CA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/29/2006. 2006 Merck-Frosst Distinguished Lecturer, Université de Sherbrooke, Sherbrooke, Canada.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/28/2006. Merck-Frosst Research Center, Montreal, Canada.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/14/2006. Invited Lecturer, The Tenth International Kyoto Conference on New Aspects of Organic Chemistry (IKCOC-10), Kyoto, Japan.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/3/2006. California State University, Los Angeles, CA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/13/2006. Indiana University of Pennsylvania, Indiana, PA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/12/2006. Award Lecturer, Cope-Scholar Award Symposium, American Chemical Society National Meeting, San Francisco, CA.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/27/2006. Plenary Lecturer, Cope-Scholar Synthesis Symposium, NORM, Reno, NV.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/4/2006. Plenary Lecturer, Bristol-Myers Squibb Freedom to Discover Award Symposium, Wallingford, CT.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/7/2006. Distinguished Visiting Professor Invited Lecture, University of Kentucky, Lexington, KY.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/28/2006. Memorial Sloan-Kettering Cancer Center, New York, NY.

Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/4/2006. Eli Lilly Grantee Symposium Award Address, Indianapolis, IN.

Natural Products as Inspiration for Organic Chemistry, Brian M. Stoltz. 2/2/2006. Michigan State University, East Lansing, MI.

Natural Products as a Driving Force for Discovery in Organic Chemistry. 1/27/2006. Invited plenary lecturer 2006 Connecticut Organic Synthesis Symposium. New Haven, CT.

Natural Products as Inspiration for Organic Chemistry, Brian M. Stoltz. 1/4/2006. Polyphor Ltd. Allschwil, Switzerland.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/15-20/2005. Invited lecturer in the "Total Synthesis of Natural Products" Symposium. ACS PacifiChem Conference, Honolulu, HI.

New Directions in Palladium Catalysis, Brian M. Stoltz. 12/15-20/2005. Invited lecturer in the "Recent Advances in Nickel and Palladium Catalyzed Reactions" Symposium. ACS PacifiChem Conference, Honolulu, HI.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/21/2005. GlaxoSmithKline, Collegeville, PA

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/11/2005. Novartis Lectureship, University of Texas at Austin, Austin, TX.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/26/2005. California Institute of Technology, Pasadena, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/8-10/2005. Plenary Lecture, Frontiers in Catalysis Symposium. Visegrad, Hungary.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 8/24/2005. Novartis Lectureship, Novartis, Basel, Switzerland.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 8/23/2005. Novartis Lectureship, Novartis, Vienna, Switzerland.

Recent Developments in Asymmetric Palladium Catalyzed Oxidation and Bond Forming Reactions Inspired by Natural Product Total Synthesis, Brian M. Stoltz. 7/31-8/5/2005. 2005 Organic Reactions and Processes Gordon Research Conference, Smithfield, RI.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/24-29/2005. 2005 Natural Products Gordon Research Conference, NH.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 7/12/2005. Novartis Lectureship, Novartis, Horsham, UK.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/8/2005. Stanford University, Palo Alto, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 6/2/2005. University of Pittsburgh, Pittsburgh, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/16/2005. University of Alberta Department of Chemistry 2005 Graduate Students Choice Speaker. University of Alberta, Edmonton, Alberta, Canada.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/22/2005. GlaxoSmithKline, Philadelphia, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/5/2005. Celera Genomics, South San Francisco, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/22/2005. Duke University, Durham, NC.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/13-17/2005. Invited lecture in the H. C. Brown Award for Creative Research in Synthetic Methods Award Symposium honoring Professor Gilbert Stork, 229th American Chemical Society National Meeting, San Diego, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/10/2005. Massachusetts Institute of Technology, Cambridge, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/9/2005. Brandeis University, Waltham, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/1/2005. University of Colorado, Boulder, Boulder, CO.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/28/2005. Colorado State University, Fort Collins, CO.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/18/2005. Millennium Pharmaceuticals, Cambridge, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/9/2005. University of Illinois at Urbana-Champaign, Urbana, IL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/1/2005. Novartis Lectureship, Novartis, Cambridge, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/31/2005. Novartis Lectureship, Boston University, Boston, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/25/2005. University of Wisconsin, Madison, WI.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/20/2005. Roche, Nutley, NJ.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/6/2005. University of Alabama, Tuscaloosa, AL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/17/2004. Sanofi-Aventis Pharmaceuticals, Germany.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/16/2004. Max-Plank Institute für Molekulare Physiologie, Dortmund, Germany.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/15/2004. German Chemical Society Seminar Series, Bayer AG and University of Wuppertal, Wuppertal, Germany.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 12/8/2004. Yale University, New Haven, CT.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/30/2004. Schering-Plough Research Institute, Union, NJ.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/22/2004. University of Pennsylvania, Philadelphia, PA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/18/2004. Microbia, Cambridge, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/4/2004. Northwestern University, Evanston, IL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/26/2004. University of California, Berkeley, Berkeley, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/22/2004. Boehringer Ingelheim Pharmaceuticals, Ridgefield, CT.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/12/2004. AstraZeneka Excellence in Chemistry Award Symposium. AstraZeneka Pharmaceuticals, Wilmington, DE.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 10/11/2004. Indiana University, Bloomington, IN.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 9/30/2004. Schering-Plough Research Institute, Kenilworth, NJ.

New developments in Total Synthesis and Catalysis, Brian M. Stoltz. 9/24/2004. GlaxoSmithKline Chemistry Scholar Awards Symposium. GlaxoSmithKline, Research Triangle Park, NC.

Recent Uses of Palladium Catalysis for Total Synthesis and the Development of New Reaction Methodology, Brian M. Stoltz. 9/9/2004. University of Veszprém, Veszprém, Hungary.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 8/31/2004. Ithaca College, Ithaca, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 8/30/2004. Cornell University, Ithaca, CA.

Recent Uses of Palladium Catalysis for Total Synthesis and the Development of New Reaction Methodology, Brian M. Stoltz. 6/10-14/2004. NSF Workshop: Organic Synthesis, NH.

New developments in Total Synthesis and Catalysis, Brian M. Stoltz. 5/29-6/1/2004. 87th Canadian Society for Chemistry Conference: Emerging Organic Synthesis, London, Ontario, Canada.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/27/2004. New Jersey section of the American Chemical Society Spring Synthesis Symposium, Rutgers University, New Brunswick, NJ.

Pd, O_2, and the OC, Brian M. Stoltz. 5/25/2004. FRESH seminar. California Institute of Technology, Pasadena, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 5/20/2004. Woodward Lecture Series in the Chemical Sciences/Quality of Life Career Seminar. Harvard University, Cambridge, MA.

Recent Uses of Palladium Catalysis for Total Synthesis and the Development of New Reaction Methodology, Brian M. Stoltz. 4/30/2004. Vertex Pharmaceuticals, Inc., Boston, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/20/2004. Harvey Mudd College, Claremont, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 4/15/2004. *Excellence in Chemistry Symposium, Plenary lecture.* Roche Biosciences, Palo Alto, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/23/2004. Dupont Stine-Haskell Research Center, Newark, DE.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/17/2004. Florida State University, Tallahassee, FL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/13/2004. Amgen, Cambridge, MA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 2/4/2004. University of California, Irvine, Irvine, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/30/2004. 2004 Gerhard Closs Lectureship. University of Chicago, Chicago, IL.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/21/2004. Stanford University, Palo Alto, CA.

Recent Developments in Total Synthesis and New Reaction Methodology, Brian M. Stoltz. 1/14/2004. Johnson and Johnson, Spring House, PA.

Recent Developments in Total Synthesis and New Reaction Methodology, Brian M. Stoltz. 1/13/2004. Lexicon Pharmaceuticals, Princeton, NJ.

Recent Developments in Total Synthesis and New Reaction Methodology, Brian M. Stoltz. 12/11/2003. Ligand Pharmaceuticals. San Diego, CA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 11/1/2003. 2003 Linus Pauling Award Symposium. University of Oregon, Eugene, OR.

Recent Developments in Total Synthesis and New Reaction Methodology, Brian M. Stoltz. 10/29/2003. Amgen Young Investigator Awards Symposium. Amgen, Thousand Oaks, CA.

Recent Uses of Palladium Catalysis for Total Synthesis and the Development of New Reaction Methodology, Brian M. Stoltz. 10/21/2003. Gilead, San Francisco, CA.

New developments in Total Synthesis and Catalysis, Brian M. Stoltz. 10/9/2003. University of California, Los Angeles, Los Angeles, CA.

Recent Developments in the Total Synthesis of Natural Products and New Synthetic Reactions, Brian M. Stoltz. 9/26/2003. GlaxoSmithKline Chemistry Scholar Awards Symposium. GlaxoSmithKline, Research Triangle Park, NC.

New developments in Total Synthesis and Catalysis, Brian M. Stoltz. 9/16/2003. Princeton University, Princeton, NJ.

Recent Developments in the Total Synthesis of Natural Products and the Development of New Synthetic Reactions, Brian M. Stoltz. 9/11/2003. Bristol-Myers Squibb, Princeton, NJ.

Recent Developments in the Total Synthesis of Natural Products and the Development of New Synthetic Reactions, Brian M. Stoltz. 9/10/2003. Bristol-Myers Squibb, New Brunswick, NJ.

Recent Developments in the Total Synthesis of Natural Products and the Development of New Synthetic Reactions, Brian M. Stoltz. 9/9/2003. Bristol-Myers Squibb, Wallingford, CT.

New developments in Total Synthesis and Catalysis, Brian M. Stoltz. 9/8/2003. Bayer Corporation, West Haven, CT.

Recent Developments in the Total Synthesis of Natural Products and New Synthetic Reactions, Brian M. Stoltz. 9/3/2003. Eisai Research Institute, Andover, MA.

Recent Developments in the Total Synthesis of Natural Products and the Development of New Synthetic Reactions, Brian M. Stoltz. 8/7/2003. Johnson and Johnson, La Jolla, CA.

New developments in Total Synthesis and Catalysis, Brian M. Stoltz. 7/30/2003. Eli Lilly and Company, Indianapolis, IN.

Recent developments in Total Synthesis and Catalysis, Brian M. Stoltz. 7/8/2003. Nagoya University, Nagoya, Japan.

Recent developments in Total Synthesis and Catalysis, Brian M. Stoltz. 7/7/2003. Kyoto University, Kyoto, Japan.

Recent developments in Total Synthesis and Catalysis, Brian M. Stoltz. 6/30/2003. Tokyo Institute of Technology, Tokyo, Japan.

The Total Synthesis of the Nicandrenones and the Development of a CuCl Accelerated Stille Coupling, Brian M. Stoltz. 7/2/2003. COE lecture Tokyo University, Tokyo, Japan.

Adventures with Rhodium Carbenoids: From K252a and Staurosporine to the Welwitindolinones and the Tandem Bamford-Stevens/Claisen Reaction, Brian M. Stoltz. 6/27/2003. COE lecture Tokyo University, Tokyo, Japan.

An Introduction to Synthesis or "What Every Student of Organic Synthesis Should Know", Brian M. Stoltz. 6/26/2003. COE lecture Tokyo University, Tokyo, Japan.

Recent developments in Total Synthesis and Catalysis, Brian M. Stoltz. 6/22/2003. Inaugural 21st Century of Excellence Lecture, Tokyo University, Tokyo, Japan.

Recent developments in Total Synthesis and Reaction Methodology, Brian M. Stoltz. 6/2/2003. AstraZeneca, Waltham, MA.

Recent developments in Total Synthesis and New Reaction Methodology, Brian M. Stoltz. 5/29-30/2003. Abbott Laboratories, Chicago, IL.

Making Molecules: Art, Science, and Human Health, Brian M. Stoltz. 5/17/2003. Caltech Alumni Seminar Day, Pasadena, CA.

Recent Advances in Total Synthesis and Reaction Development, Brian M. Stoltz. 4/30/2003. Roche Biosciences, Palo Alto, CA.

The Synthesis of Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 3/26/2003. Invited lecture in the Nobel Signature Award Symposium, American Chemical Society National Meeting, New Orleans, LA.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/29/2003. Wayne State University, Detroit, MI.

Complex Natural Products as a Driving Force for Discovery in Organic Chemistry, Brian M. Stoltz. 1/28/2003. Pfizer, Ann Arbor, MI.

Recent Developments in Total Synthesis and Asymmetric Catalysis, Brian M. Stoltz. 12/16/2002. University of California, San Diego/La Jolla Pharma Symposium on Organic Chemistry, La Jolla, CA.

New Developments in the Total Synthesis of Natural Products and the Development of New Synthetic Reactions, Brian M. Stoltz. 12/3/2002. Wyeth Ayerst, Cambridge, MA.

New Developments in the Total Synthesis of Natural Products and the Development of New Synthetic Reactions, Brian M. Stoltz. 12/3/2002. Texas A&M, College Station, TX.

Using Complex Natural Products as Templates for Discovery in Organic Chemistry, Brian M. Stoltz. 12/2/2002. University of Texas Southwest Medical Center, Dallas, TX.

The Synthesis of Complex Molecules as a Driving Force for the Development of New Synthetic Methodology, Brian M. Stoltz. 11/21/2002. Pfizer, La Jolla, CA.

The Use of Complex Molecules to Serve as Templates for the Development of New Reaction Methodology, Brian M. Stoltz. 11/4/2002. Oregon State University, Corvallis, OR.

The Use of Complex Molecules to Serve as Templates for the Development of New Reaction Methodology, Brian M. Stoltz. 10/16/2002. California State University, Long Beach, CA.

The Use of Complex Molecules to Drive the Development of New Reaction Methodology, Brian M. Stoltz. 9/13/2002. Merck Research Laboratories, San Diego, CA.

Recent Developments in Total Synthesis and Asymmetric Catalysis, Brian M. Stoltz. 8/15/2002. Pharmacia Corp., Kalamazoo, MI.

The Synthesis of Complex Natural Products as a Driving Force for the Discovery and Development of New Reactions, Brian M. Stoltz. 7/28/2002. 2002 Natural Products Gordon Research Conference, NH.

The Synthesis of Complex Molecules as a Driving Force for the Development of New Synthetic Methodology, Brian M. Stoltz. 6/25/2002. Pfizer, Groton, CT.

Heterocycles in Synthesis and Catalysis, Brian M. Stoltz. 7/7/2002. 2002 Heterocycles Gordon Research Conference, Newport, RI.

Recent Developments in the Total Synthesis of Medicinally Relevant Natural Products, Brian M. Stoltz. 6/14/2002. Chiron Corporation, Emeryville, CA.

New Developments in the Total Synthesis of Natural Products and the Development of New Synthetic Reactions, Brian M. Stoltz. 6/7/2002. University of California, Riverside, CA.

Recent Developments in the Total Synthesis of Natural Products, Brian M. Stoltz. 5/28/2002. California State University, Los Angeles, CA.

The Discovery and Development of New Catalytic Reactions using Molecular Oxygen as the Terminal Oxidant. The First Step Toward Asymmetric Green Oxidations, Brian M. Stoltz. 5/23-25/2002. The First Hungarian-American Workshop Molecular Catalyst Design for Green Chemistry. Eotvos University, Budapest, Hungary.

The Synthesis of Complex Molecules as a Driving Force for the Discovery and Development of New Reactions, Brian M. Stoltz. 4/12/2002. Merck Research Laboratories, West Point, PA.

Using Complex Natural Products as Templates for Discovery in Organic Chemistry, Brian M. Stoltz. 3/11-13/2002. The Third International Symposium on New Synthetic Methods: Chemistry Advancements for Effective Drug Development. Naples, FL.

The Synthesis of Complex Natural Products as a Driving Force for the Discovery and Development of New Reactions, Brian M. Stoltz. 3/8/2002 and 3/14/2002. GlaxoSmithKline, Collegeville, PA and Research Triangle Park, NC.

The Discovery and Development of New Reactions Through Natural Product Total Synthesis, Brian M. Stoltz. 3/6/2002. Pharmacia Corp., Skokie, IL.

The Utilization of Complex Molecules to Drive the Development of New Reactions: From Saudin to Wacker Chemistry, Brian M. Stoltz. Abbott Laboratories Lecturer 2/22/2002. Montana State University, Bozeman, MT.

The Utilization of Complex Molecules to Drive the Development of New Reaction Processes, Brian M. Stoltz. 2/15/2002. Merck Research Laboratories, Rahway, NJ.

The Utilization of Complex Molecules to Drive the Development of New Reactions: From Saudin to Wacker Chemistry, Brian M. Stoltz. 2/14/2002. RW Johnson Pharmaceutical Research Institute, Raritan, NJ.

The Development of New Reactions Through Natural Product Total Synthesis, Brian M. Stoltz. 1/3/2002. Sanofi-Synthelabo, Chinoin, Budapest, Hungary.

The Palladium-Catalyzed Oxidative Kinetic Resolution of Secondary Alcohols with Molecular Oxygen, Brian M. Stoltz. 8/31/2001. Eotvos University, Budapest, Hungary.

Discussion Chair-Heterocycles Gordon Research Conference, Brian M. Stoltz. 7/2001. Newport, RI.

Graduate and Postdoctoral (pre-2000):

Synthetic Studies of Withanolide Natural Products: Templates for Discovery in Organic Chemistry, Brian M. Stoltz. Abstracts of Papers, 29th Northeast Regional Meeting of the American Chemical Society, Storrs, CT; American Chemical Society: Washington, DC, 2000; 241.

Synthetic Studies of Indolocarbazole and Withanolide Natural Products: Templates for Discovery in Organic Chemistry, Brian M. Stoltz. 11/1999-1/2000. Princeton University; University of California, Berkeley; California Institute of Technology; University of Wisconsin; University of Utah; University of Michigan.

Applications of Rhodium Carbenoid Chemistry to the Synthesis of (+)-K252a, (+)-Staurosporine and the Welwitindolinones, John L. Wood, Brian M. Stoltz, and Alexandra A. Holubec. Presented by invitation at the 35th National Organic Symposium, San Antonio, TX, June 1997; American Chemical Society: Washington, DC, 1997; M145.

The Total Synthesis of (+)-Staurosporine and Other Pyranosylated Indolocarbazoles, John L. Wood, Brian M. Stoltz, Steven N. Goodman and Kenolisa Onwueme. Abstracts of Papers, 212th National Meeting of the American Chemical Society, Orlando, FL; American Chemical Society: Washington, DC, 1996; ORGN 243.

Progress Toward the Total Synthesis of Staurosporine. Application of a Stereoselective Ring Expansion to the Synthesis of Indolocarbazoles, John L. Wood, Brian M. Stoltz, Kenolisa Onwueme, and Steven Goodman. Abstracts of Papers, 211th National Meeting of the American Chemical Society, New Orleans, LA; American Chemical Society: Washington, DC, 1996; ORGN 205.

The Total Synthesis of (+)- and (-)-K252a, John L. Wood, Brian M. Stoltz, and Hans-Jürgen Dietrich. Abstracts of Papers, 210th National Meeting of the American Chemical Society, Chicago, IL; American Chemical Society: Washington, DC, 1995; ORGN 40.

Progress Toward the Total Synthesis of K252a, John L. Wood, Brian M. Stoltz, and Hans-Jürgen Dietrich. Abstracts of Papers, 209th National Meeting of the American Chemical Society, Anaheim, CA; American Chemical Society: Washington, DC, 1995; ORGN 464.

Preparation of Stereospecifically Labeled 9-Deutero Bicyclo[6.1.0]Nonane, Brian M. Stoltz and John T. Wood. Abstracts of Papers, 25th Central Regional Meeting of the American Chemical Society, Pittsburgh, PA; American Chemical Society: Washington, DC, 1993; 269.