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DANIEL SEIDEL

EDUCATION

1998 – 2002 **Ph.D.**, University of Texas at Austin
1993 – 1998 **Diplom**, Friedrich-Schiller-Universität Jena, Germany

PROFESSIONAL EXPERIENCE

08/2017 – present **Professor**
Department of Chemistry, University of Florida

07/2014 – 08/2017 **Professor**
Department of Chemistry and Chemical Biology, Rutgers University

07/2011 – 06/2014 **Associate Professor**
Department of Chemistry and Chemical Biology, Rutgers University

07/2005 – 06/2011 **Assistant Professor**
Department of Chemistry and Chemical Biology, Rutgers University

07/2002 – 06/2005 **Postdoctoral Associate with Professor David A. Evans**
Department of Chemistry and Chemical Biology, Harvard University
Development of Soft Enolization Catalysts and Their Application to Synthesis

08/1998 – 06/2002 **Graduate Research/Teaching Assistant with Professor Jonathan L. Sessler**
Department of Chemistry and Biochemistry, University of Texas at Austin
Development of New Methodologies for the Synthesis of Expanded Porphyrins

09/1997 – 06/1998 **Undergraduate Exchange Researcher with Professor Jonathan L. Sessler**
Department of Chemistry and Biochemistry, University of Texas at Austin
Synthesis and Complexation Studies of Oxygen-Analogues of Expanded Porphyrins

07/1995 – 08/1997 **Undergraduate Researcher with Professor E.-G. Jäger and Dr. H. Keutel**
Department of Chemistry, Friedrich-Schiller Universität Jena, Germany
Synthesis and Study of First Row Transition Metal Complexes

AWARDS AND HONORS

2016 – 2017 Novartis Chemistry Lectureship
2016 Fellow of the Royal Society of Chemistry
2014 Japanese Society for the Promotion of Science (JSPS) Fellow
2013 – 2014 Humboldt Research Fellowship for Experienced Researchers
2012 Carl Duisberg Memorial Prize of the German Chemical Society
2011 Amgen Young Investigator Award
2011 Alfred P. Sloan Research Fellowship
2011 Rutgers SAS Award for Distinguished Contributions to Undergraduate Education
2011 Rutgers Board of Trustees Research Fellowship for Scholarly Excellence
2011 Rutgers Presidential Fellowship for Teaching Excellence
2009 Thieme Chemistry Journals Award
2002 – 2004 Ernst Schering Postdoctoral Fellowship
2001 – 2002 Dorothy A. Banks Fellowship
2001 University Co-op Award for Research Excellence
2001 Welch Academic Excellence Award
1997 – 1998 Fellow of the TASEP (Trans Atlantic Student Exchange Program)

PUBLICATIONS

- 112 “**Rapid Functionalization of Multiple C–H Bonds in Unprotected Alicyclic Amines.**” Weijie Chen, Anirudra Paul, Khalil A. Abboud, and Daniel Seidel, *Nat. Chem.* **2020**, *12*, in press.
- 111 “**A Selenourea-Thiourea Brønsted Acid Catalyst Facilitates Asymmetric Conjugate Additions of Amines to α,β -Unsaturated Esters.**” Yingfu Lin, William J. Hirschi, Anuj Kunadia, Anirudra Paul, Ion Ghiviriga, Khalil A. Abboud, Rachael W. Karugu, Mathew J. Veticatt, Jennifer S. Hirschi, and Daniel Seidel, *J. Am. Chem. Soc.* **2020**, *142*, ASAP.
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- 108 “**Catalytic Enantioselective Approaches to the oxa-Pictet–Spengler Cyclization and Other 3,6-Dihydropyran-Forming Reactions.**” Zhengbo Zhu, Alafate Adili, Chenfei Zhao, and Daniel Seidel, *SynOpen* **2019**, *3*, 77–90.
- 107 “ **α -Functionalization of Cyclic Secondary Amines: Lewis Acid Promoted Addition of Organometallics to Transient Imines.**” Anirudra Paul and Daniel Seidel, *J. Am. Chem. Soc.* **2019**, *141*, 8778–8782.
- 106 “**Redox-Annulations of Cyclic Amines with Electron-Deficient *o*-Tolualdehydes.**” Anirudra Paul, Alafate Adili, and Daniel Seidel, *Org. Lett.* **2019**, *21*, 1845–1848.
- 105 “**Insights into the Structure and Function of a Chiral Conjugate-Base-Stabilized Brønsted Acid Catalyst.**” Minami Odagi, Hiroshi Araki, Chang Min, Eri Yamamoto, Thomas J. Emge, Masahiro Yamanaka, and Daniel Seidel, invited contribution for special issue on organic reaction mechanisms, *Eur. J. Org. Chem.* **2019**, 486–492.
- 104 “**Chiral Bisoxazoline Ligands Designed to Stabilize Bimetallic Complexes.**” Deepankar Das, Rudrajit Mal, Nisha Mittal, Zhengbo Zhu, Thomas J. Emge, and Daniel Seidel, *Beilstein J. Org. Chem.* **2018**, *14*, 2002–2011.
- 103 “**Redox-Annulations of Cyclic Amines with 2-(2-Oxoethyl)Malonates.**” Zhengbo Zhu, Hemant S. Chandak, and Daniel Seidel, *Org. Lett.* **2018**, *20*, 4090–4093.
- 102 “**Formal [4+2] Cycloadditions of Imines With Alkoxyisocoumarins.**” Claire L. Jarvis, Neyra M. Jemal, Spencer Knapp, and Daniel Seidel, *Org. Biomol. Chem.*, **2018**, *16*, 4231–4235.
- 101 “**Decarboxylative Annulation of α -Amino Acids with β -Ketoaldehydes.**” Anirudra Paul, N. R. Thimmegowda, Thiago Galani Cruz, and Daniel Seidel, *Org. Lett.* **2018**, *20*, 602–604.
- 100 “**Direct α -C–H bond functionalization of unprotected cyclic amines.**” Weijie Chen, Longle Ma, Anirudra Paul, and Daniel Seidel, *Nat. Chem.* **2018**, *10*, 165–169. ([highlighted in Nature Reviews Chemistry, December 2017](#))
- 99 “**Synthesis of Polycyclic Imidazolidinones via Amine Redox-Annulation.**” Zhengbo Zhu, Xin Lv, Jason Anesini, and Daniel Seidel, *Org. Lett.* **2017**, *19*, 6424–6427.
- 98 “**Catalytic Enantioselective Synthesis of Mariline A and Related Isoindolinones via a Biomimetic Approach.**” Chang Min, Yingfu Lin, and Daniel Seidel, *Angew. Chem. Int. Ed.* **2017**, *56*, 15353–15357. ([highlighted in SYNFACTS, January 2018](#))
- 97 “**Identification of A Strong and Specific Antichlamydial *N*-Acyldiazone.**” Huirong Zhang, Anuj Kunadia, Yingfu Lin, Zheng Gong, Joseph Fondell, Daniel Seidel, and Huizhou Fan, *PLoS ONE* **2017**, *12*, e0185783.
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- 92 “**Redox-Neutral Synthesis of a Cyclic N,O-Acetal from Salicylaldehyde and 1,2,3,4-Tetrahydroisoquinoline.**” Claire Jarvis, and Daniel Seidel, in “*Comprehensive Organic Chemistry Experiments for the Laboratory Classroom*” **2016**, (ISBN: 978-1-84973-963-4).
- 91 “**Redox-Neutral Aromatization of Cyclic Amines: Mechanistic Insights and Harnessing of Reactive Intermediates for Amine α - and β -C–H Functionalization.**” Longle Ma, Anirudra Paul, Martin Breugst, and Daniel Seidel, *Chem. Eur. J.* **2016**, *22*, 18179–18189.
- 90 “**Decarboxylative Annulation of α -Amino Acids with γ -Nitroaldehydes.**” YoungKu Kang, and Daniel Seidel, *Org. Lett.* **2016**, *18*, 4277–4279.
- 89 “**Direct Formation of Oxocarbenium Ions under Weakly Acidic Conditions: Catalytic Enantioselective Oxa-Pictet–Spengler Reactions.**” Chenfei Zhao, Shawn B. Chen, and Daniel Seidel, *J. Am. Chem. Soc.* **2016**, *138*, 9053–9056. (highlighted in SYNFACTS, September 2016)
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- 86 “**Synthesis of Chiral Cyclam Analogues.**” Chandra Kanta De, Anirudra Paul, Thomas J. Emge, and Daniel Seidel, invited contribution for special issue in honor of Prof. Sessler’s 60th birthday, *Supramol. Chem.* **2016**, *28*, 168–175.
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- 74 “**Redox-Neutral α -Sulfonylation of Secondary Amines: Ring-Fused *N,S*-Acetals.**” Claire L. Jarvis, Matthew T. Richers, Martin Breugst, K. N. Houk, and Daniel Seidel, *Org. Lett.* **2014**, *16*, 3556–3559.
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- 72 “**Dual C–H Functionalization of *N*-Aryl Amines: Synthesis of Polycyclic Amines via an Oxidative Povarov Approach.**” Chang Min, Abbas Sanchawala, and Daniel Seidel, *Org. Lett.* **2014**, *16*, 2756–2759. (highlighted in SYNFACTS, July 2014)
- 71 “**C–H Bond Functionalization through Intramolecular Hydride Transfer.**” Michael Haibach, and Daniel Seidel, *Angew. Chem. Int. Ed.* **2014**, *53*, 5010–5036.
- 70 “**Redox-Neutral α -Oxygenation of Amines: Reaction Development and Elucidation of the Mechanism.**” Matthew T. Richers, Martin Breugst, Alena Yu. Platonova, Anja Ullrich, Arne Dieckmann, K. N. Houk, and Daniel Seidel, *J. Am. Chem. Soc.* **2014**, *136*, 6123–6135.
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- 66 “**Conjugate-Base-Stabilized Brønsted Acids: Enantioselective Pictet-Spengler Reactions with Unmodified Tryptamine.**” Nisha Mittal, Diana X. Sun, and Daniel Seidel, *Org. Lett.* **2014**, *16*, 1012–1015.
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- 63 “**Redox-Neutral α -C–H Bond Functionalization of Secondary Amines with Concurrent C–P Bond Formation/*N*-Alkylation.**” Deepankar Das, and Daniel Seidel, *Org. Lett.* **2013**, *15*, 4358–4361.
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- 59 “**Redox-Neutral Copper (II) Carboxylate Catalyzed α -Alkynylation of Amines.**” Deepankar Das, Aaron X. Sun, and Daniel Seidel, *Angew. Chem. Int. Ed.* **2013**, *52*, 3765–3769.
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- 57 “**A Dual-Catalysis Approach to the Kinetic Resolution of 1,2-diaryl-1,2-diaminoethanes.**” Chang Min, Nisha Mittal, Chandra Kanta De, and Daniel Seidel, *Chem. Commun.* **2012**, *48*, 10853–10855.
- 56 “**Redox-Neutral α -Cyanation of Amines.**” Longle Ma, Weijie Chen, and Daniel Seidel, *J. Am. Chem. Soc.* **2012**, *134*, 15305–15308.
- 55 “**Kinetic Resolution of Amines via Dual-Catalysis: Remarkable Dependence of Selectivity on the Achiral Cocatalyst.**” Nisha Mittal, Diana X. Sun, and Daniel Seidel, *Org. Lett.* **2012**, *14*, 3084–3087.
- 54 “***o*-Aminobenzaldehyde, Redox-Neutral Aminal Formation and Synthesis of Deoxyvasicinone.**” Chen Zhang, Chandra Kanta De, and Daniel Seidel, *Org. Synth.* **2012**, *89*, 274–282.
- 53 “**The Decarboxylative Strecker Reaction.**” Deepankar Das, Matthew T. Richers, Longle Ma, and Daniel Seidel, *Org. Lett.* **2011**, *13*, 6584–6587.
- 52 “**A Dual Catalysis Approach to the Asymmetric Steglich Rearrangement and Catalytic Enantioselective Addition of *O*-Acylated Azlactones to Isoquinolines.**” Chandra Kanta De, Nisha Mittal, and Daniel Seidel, *J. Am. Chem. Soc.* **2011**, *133*, 16802–16805. (highlighted in SYNFACTS, December 2011)
- 51 “**Catalytic Enantioselective Desymmetrization of *meso*-Diamines: A Dual Small-Molecule Catalysis Approach.**” Chandra Kanta De, and Daniel Seidel, *J. Am. Chem. Soc.* **2011**, *133*, 14538–14541. (highlighted in SYNFACTS, November 2011)
- 50 “**Divergent Reactions of Indoles with Aminobenzaldehydes: Indole Ring Opening vs. Annulation and Facile Synthesis of Neocryptolepine.**” Matthew K. Vecchione, Aaron X. Sun, and Daniel Seidel, *Chem. Sci.* **2011**, *2*, 2178–2181. (highlighted on the Chemical Science blog, August 19, 2011)
- 49 “**Origins of Enantioselectivity in Proline Catalyzed Friedländer Condensations of 4-substituted Cyclohexanones.**” Le Li, and Daniel Seidel, *Synthesis* **2011**, 1853–1858.
- 48 “**Decarboxylative Formation of *N*-Alkyl Pyrroles From 4-Hydroxyproline.**” Indubhusan Deb, Daniel Coiro, and Daniel Seidel, *Chem. Commun.* **2011**, *47*, 6473–6475.
- 47 “**A Dual Catalysis/Anion Binding Approach to the Kinetic Resolution of Allylic Amines.**” Eric G. Klauber, Nisha Mittal, Tejas K. Shah, and Daniel Seidel, *Org. Lett.* **2011**, *13*, 2464–2467. (highlighted in SYNFACTS, June 2011)
- 46 “**Gadolinium triflate.**” Deepankar Das, and Daniel Seidel, invited contribution for *EROS (Encyclopedia of Reagents for Organic Synthesis)*, published March 15, **2011**, DOI: 10.1002/047084289X.rn01253
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- 41 “**Merging Nucleophilic and Hydrogen Bonding Catalysis: An Anion Binding Approach to the Kinetic Resolution of Propargylic Amines.**” Eric G. Klauber, Chandra Kanta De, Tejas K. Shah, and Daniel Seidel, *J. Am. Chem. Soc.* **2010**, *132*, 13624–13626. (highlighted in SYNFACTS, December 2010)
- 40 Invited book review: “**Cinchona Alkaloids in Synthesis & Catalysis: Ligands, Immobilization and Organocatalysis.**” Daniel Seidel, *J. Am. Chem. Soc.* **2010**, *132*, 8224.
- 39 “**Catalytic Enantioselective Aldol Additions of α -Isothiocyanato Imides to α -Ketoesters.**” Matthew K. Vecchione, Le Li, and Daniel Seidel, *Chem. Commun.* **2010**, 4604–4606.
- 38 “**Retro-Claisen Condensation vs. Pyrrole Formation in Reactions of Amines and 1,3-Diketones.**” Indubhusan Deb, and Daniel Seidel, *Tetrahedron Lett.* **2010**, *51*, 2945–2947.

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- 36 **“Merging Nucleophilic and Hydrogen Bonding Catalysis: An Anion Binding Approach to the Kinetic Resolution of Amines.”** Chandra Kanta De, Eric G. Klauber, and Daniel Seidel, *J. Am. Chem. Soc.* **2009**, *131*, 17060–17061. (highlighted in *C&EN News*, November 2009, and *SYNFACTS*, January 2010)
- 35 **“Facile Synthesis of a Chiral Urea Bridged Bisoxazoline Ligand and Structural Characterization of its Bis-Copper(II)-Chloride Complex”** Rudrajit Mal, Nisha Mittal, Thomas J. Emge, and Daniel Seidel, *Chem. Commun.* **2009**, 7309–7311.
- 34 **“Catalytic Enantioselective Intramolecular Redox Reactions: Ring-Fused Tetrahydroquinolines.”** Sandip Murarka, Indubhusan Deb, Chen Zhang, and Daniel Seidel, *J. Am. Chem. Soc.* **2009**, *131*, 13226–13227. (highlighted in *SYNFORM*, November 2009, and *SYNFACTS*, December 2009)
- 33 **“Catalytic Enantioselective Synthesis of α,β -Diamino Acid Derivatives.”** Le Li, Madhu Ganesh, and Daniel Seidel, *J. Am. Chem. Soc.* **2009**, *131*, 11648–11649. (highlighted in *SYNFACTS*, October 2009) (part of the *JACS SELECT* issue 7, December 2009)
- 32 **“Lewis Acid Catalyzed Formation of Tetrahydroquinolines via an Intramolecular Redox Process.”** Sandip Murarka, Chen Zhang, Marlena D. Konieczynska, and Daniel Seidel, *Org. Lett.* **2009**, *11*, 129–132. (highlighted in *SYNFACTS*, April 2009)
- 31 **“Facile Formation of Cyclic Aminals Through a Brønsted Acid Promoted Redox Process.”** Chen Zhang, Sandip Murarka, and Daniel Seidel, *J. Org. Chem.* **2009**, *74*, 419–422.
- 30 **“Catalytic Enantioselective Additions of Indoles to Nitroalkenes.”** Madhu Ganesh, and Daniel Seidel *J. Am. Chem. Soc.* **2008**, *130*, 16464–16465. (highlighted in *SYNFACTS*, February 2009)
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- 28 **“ α -Amination of Nitrogen Heterocycles: Ring Fused Aminals.”** Chen Zhang, Chandra Kanta De, Rudrajit Mal, and Daniel Seidel *J. Am. Chem. Soc.* **2008**, *130*, 416–417.
- 27 **“Scope and Mechanism of Enantioselective Michael Additions of 1,3-Dicarbonyl Compounds to Nitroalkenes Catalyzed by Nickel(II)-Diamine Complexes.”** David A. Evans, Shizue Mito, and Daniel Seidel *J. Am. Chem. Soc.* **2007**, *129*, 11583–11592.
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- 25 **“Nonlinear Optical Properties and Excited-State Dynamics of Highly Symmetric Expanded Porphyrins.”** Zin Seok Yoon, Jung Ho Kwon, Min-Chul Yoon, Mi Kyoung Koh, Su Bum Noh, Jonathan L. Sessler, Jeong Tae Lee, Daniel Seidel, Apolonio Aguilar, Soji Shimizu, Masaaki Suzuki, Atsuhiko Osuka, and Dongho Kim *J. Am. Chem. Soc.* **2006**, *128*, 14128–14134.
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- 05 “**[26]Hexaphyrin(1.1.1.1.0.0): an All-Aza Isomer of Rubyrin with an Inverted Pyrrole Subunit.**” Jonathan L. Sessler, Daniel Seidel, Christophe Bucher, and Vincent Lynch *Chem. Commun.* **2000**, 1473–1474.

- 04 **“Calixphyrins: Novel Macrocycles at the Intersection Between Porphyrins and Calixpyrroles.”** Vladimir Král, Jonathan L. Sessler, Rebecca S. Zimmerman, Daniel Seidel, Vincent Lynch, and Bruno Andrioletti *Angew. Chem. Int. Ed.* **2000**, *39*, 1055–1058.
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- 02 **“Expanded Porphyrins. Synthetic Materials with Potential Medical Utility.”** Jonathan L. Sessler, Nicolai A. Tvermoes, Julian Davis, Pavel Anzenbacher, Jr., Karolina Jursíková, Wataru Satoh, Daniel Seidel, Vincent Lynch, Chris B. Black, Andrew Try, Bruno Andrioletti, Greg Hemmi, Tarak D. Mody, Darren J. Magda, Kathryn Woodburn, Richard A. Miller, and Vladimír Král *Pure Appl. Chem.* **1999**, *71*, 2009–2018.
- 01 **“Synthesis of [28]Heptaphyrin(1.0.0.1.0.0.0) and [32]Octaphyrin(1.0.0.0.1.0.0.0) via a Directed Oxidative Ring Closure: The First Expanded Porphyrins Containing a Quaterpyrrole Subunit.”** Jonathan L. Sessler, Daniel Seidel, and Vincent Lynch *J. Am. Chem. Soc.* **1999**, *121*, 11257–11258.

PATENTS

- 01 **“Method for the preparation of cyclo[n]pyrroles via an oxidative coupling procedure.”** Jonathan L. Sessler, Daniel Seidel, Frederic R. Bolze, Thomas Köhler, U.S. Patent No. 6,984,734; Issue date: Jan 10, **2006**, 47 pages.

PRESENTATIONS

13th Organocatalysis Symposium, Tokyo, Japan, June 26–27, **2020** – Invited lecture
 University of Washington, May 7, **2020** – Invited lecture
 North Carolina State University, March 30, **2020** – Invited lecture
 University of Texas at San Antonio, February 14, **2020** – Invited lecture
 University of South Florida, Oct 30, **2019** – Invited lecture
 71st ACS Southeastern Regional Meeting, Savannah, GA, Oct 20–23, **2019** – Invited lecture
 15th Virtual Symposium of The NSF Center for Selective C–H Functionalization, Sep 18, **2019** – Invited lecture
 Telluride workshop: *Future of C–H Functionalization*, Telluride, CO, Jul 29 – Aug 2, **2019** – Invited lecture
 GRC: *Heterocyclic Compounds*, Salve Regina University, June 16–21, **2019** – Invited lecture
 95th Florida Annual Meeting and Exposition, North Palm Harbor, FL, May 10, **2019**, – Invited lecture
 University of Vienna, Austria, May 2, **2019** – Invited lecture
 University of Linz, Austria, April 30, **2019** – Invited lecture
 Boston College, October 9, **2018** – Invited lecture
 AbbVie, North Chicago, August 17, **2018** – Invited plenary lecture
 94th Florida Annual Meeting and Exposition, North Palm Harbor, FL, May 5, **2018**, – Invited lecture
 18th Florida Heterocyclic and Synthetic Chemistry Conference, Gainesville, FL, March 5, **2018**, – Invited lecture
 Novartis Basel, Switzerland, May 17, **2017** – Invited lecture
 Novartis Shanghai, China, March 23, **2017** – Invited lecture
 Novartis Changshu, China, March 22, **2017** – Invited lecture
 University of California Riverside, January 18, **2017** – Invited lecture
 Novartis Boston, November 8, **2016** – Invited lecture
 9th Tripartite Meeting, Maresias, Sao Palo, Brazil, October 30 – November 2, **2016** – Invited lecture
 41st ACS Northeast Regional Meeting, Binghamton University, October 5–8, **2016** – Invited lecture
 University of Rhode Island, October 3, **2016** – Invited lecture
 The Ohio State University, May 3, **2016** – Invited lecture
 University of Würzburg, Germany, April 28, **2016** – Invited lecture
 University of Florida, April 14, **2016** – Invited lecture
 251st ACS National Meeting, San Diego, March 13–17, **2016** – Invited lecture
 University of Oldenburg, Germany, February 3, **2016** – Invited lecture
 Organocatalysis Symposium, Pacifichem, Honolulu, December 18, **2015** – Invited lecture
 Rutgers Newark, December 4, **2015** – Invited lecture
 Binghamton University, September 11, **2015** – Invited lecture
 Boston University, December 18, **2014** – Invited lecture
 Nagoya University, Japan, December 5, **2014** – Invited lecture
 Kyoto University, Japan, December 4, **2014** – Invited lecture
 Osaka University, Japan, December 3, **2014** – Invited lecture
 Tokyo Institute of Technology, Japan, December 2, **2014** – Invited lecture
 Keio University, Tokyo, Japan, December 1, **2014** – Invited lecture
 Tohoku University, Sendai, Japan, November 28, **2014** – Invited lecture
 University of Tokyo, Japan, November 27, **2014** – Invited lecture
 Gakushuin University, Tokyo, Japan, November 26, **2014** – Invited lecture
 Tokyo University of Agriculture and Technology, Japan, November 25, **2014** – Invited lecture
 2nd International Conference on Organocatalysis, Tokyo, Japan, November 20–22, **2014** – Keynote lecture
 Rikkyo University, Tokyo, Japan, November 20, **2014** – Invited lecture
 University of Wuhan, China, October 23, **2014** – Invited lecture
 6th International Forum on Homogeneous Catalysis, Shanghai, China, October 19–22, **2014** – Keynote lecture
 University of Göttingen, Germany, July 18, **2014** – Invited lecture
 University of Basel, Switzerland, June 20, **2014** – Invited lecture
 Université Claude Bernard-Lyon 1, France, June 5, **2014** – Invited lecture
 Ludwig-Maximilians-Universität München, Germany, May 19, **2014** – Invited lecture
 Technische Universität Berlin, Germany, May 15, **2014** – Invited lecture
 University of Oregon, February 21, **2014** – Invited lecture
 Oregon State University, February 20, **2014** – Invited lecture
 Colorado State University, February 10, **2014** – Lilly Distinguished Speaker
 University of Texas at Austin, January 31, **2014** – Sessler Alumni Lecture
 Institut de Chimie des Substances Naturelles CNRS, France, July 18, **2013** – Invited lecture

University of Versailles, France, July 17, **2013** – Invited lecture
Technical University of Denmark, June 28, **2013** – Invited lecture
Lundbeck, Copenhagen, Denmark, June 27, **2013** – Invited lecture
University of Marburg, Germany, June 24, **2013** – Invited lecture
BASF, Ludwigshafen, Germany, May 28, **2013** – Invited lecture
RWTH Aachen University, Germany, May 16, **2013** – Invited lecture
University of Giessen, Germany, May 14, **2013** – Invited lecture
Catalysis and Sensing for Our Environment (CASE) 2013 Conference, Austin, April 11–13, **2013** – Invited lecture
1st Japan-USA Organocatalysis Symposium, Honolulu, December 15–19, **2012** – Invited lecture
Washington University in St. Louis, October 4, **2012** – Invited lecture
University of Waterloo, Canada, September 7, **2012** – Invited lecture
National University of Singapore, Singapore, August 2, **2012** – Invited lecture
Nanyang Technological University, Singapore, August 1, **2012** – Invited lecture
2nd International Conference on Molecular and Functional Catalysis, Singapore, July 31, **2012** – Invited lecture
Shanghai Jiao Tong University, China, May 8, **2012** – Invited lecture
East China University of Science and Technology, China, May 8, **2012** – Invited lecture
Shanghai Institute of Organic Chemistry, China, May 7, **2012** – Invited lecture
Chiral Quest, Suzhou, China, May 6, **2012** – Invited lecture
Jilin University, China, May 3, **2012** – Invited lecture
University of Cologne, Germany, March 12, **2012** – Invited lecture
RWTH Aachen University, Germany, March 9, **2012** – Invited lecture
Max-Planck-Institut für Kohlenforschung, Mülheim an der Ruhr, Germany, March 8, **2012** – Invited lecture
University of Münster, Germany, March 7, **2012** – Invited lecture
Chemiedozententagung of the German Chemical Society, Freiburg, Germany, March 5, **2012** – Award lecture
University of Miami, December 9, **2011** – Invited lecture
The Ohio State University, November 3, **2011** – Invited lecture
Temple University, October 27, **2011** – Invited lecture
Amgen Young Investigator Award Symposium, October 4, **2011** – Award lecture
GRC: *Organic Reactions & Processes*, Bryant University, July 17–22, **2011** – Poster
Indiana University-Purdue University Indianapolis, April 27, **2011** – Invited lecture
City College of New York, February 7, **2011** – Invited lecture
Emory University, January 26, **2011** – Invited lecture
Vanderbilt University, January 24, **2011** – Invited lecture
Organic and Bioorganic Chemistry Symposium in honor of Prof. S. Knapp, January 14, **2011**, – Invited lecture
Merck & Co., Kenilworth, December 8, **2010** – Invited lecture
Molecular Design and Synthesis Award Symposium for Prof. D. A. Evans, November 17, **2010** – Invited lecture
Scripps Research Institute, La Jolla, October 22, **2010** – Invited lecture
California Institute of Technology, October 20, **2010** – Invited lecture
Dartmouth College, October 7, **2010** – Invited lecture
Rutgers University, September 21, **2010**, – Departmental Seminar
University of Missouri at Columbia, September 10, **2010** – Invited lecture
GRC: *Stereochemistry*, Salve Regina University, August 1–6, **2010** – Invited chalk talk
22nd International Symposium on Chirality, Sapporo, Japan, July 12–15, **2010** – Keynote lecture
93rd CSC conference, Toronto, Canada, May 29 – June 2, **2010** – Invited lecture
University of California at Santa Barbara, May 28, **2010** – Invited lecture
University of California at Los Angeles, May 27, **2010** – Invited lecture
University of California at Irvine, May 26, **2010** – Invited lecture
Bristol-Myers Squibb, Lawrenceville/Hopewell, May 19, **2010** – Invited lecture
University of Pennsylvania, May 10, **2010** – Invited lecture
New Jersey Biotechnology Chemistry Consortium, Cranbury, NJ, May 3, **2010** – Invited lecture
Brooklyn College, CUNY, April 30, **2010** – Invited lecture
Kean University, April 20, **2010** – Invited lecture
Queens College, CUNY, April 19, **2010** – Invited lecture
University of Texas at Austin, April 16, **2010** – Invited lecture
University of California at Berkeley, April 6, **2010** – Invited lecture
University of South Carolina, October 29, **2009** – Invited lecture
University of North Carolina at Chapel Hill, October 15, **2009** – Invited lecture
Rochester University, October 2, **2009** – Invited lecture

University at Buffalo, September 30, **2009** – Invited lecture
Syracuse University, September 29, **2009** – Invited lecture
University of New Mexico, September 4, **2009** – Invited lecture
GRC: *Organic Reactions & Processes*, Bryant University, July 19–24, **2009** – Short Talk
GRC: *Heterocyclic Compounds*, Salve Regina University, June 28 – July 3, **2009** – Poster
Lilly Research Laboratories, Indianapolis, June 16, **2009** – Invited lecture
NSF workshop, Gold Lake, Colorado, June 4–7, **2009** – Invited chalk talk
West Virginia University, April 22, **2009** – Invited lecture
Merck & Co., Rahway, April 15, **2009** – Invited lecture
New York University, April 7, **2009** – Invited lecture
Gettysburg College, February 11, **2009** – Invited lecture
Rider University, February 10, **2009** – Invited lecture
GRC: *Stereochemistry*, Salve Regina University, July 27 – August 1, **2008** – Poster
GRC: *Heterocyclic Compounds*, Salve Regina University, June 15–20, **2008** – Poster