

Personal

Born August 7, 1964 in Elmhurst, IL

Employment

- 2011-present **University of California, Berkeley** Henry Rapoport Professor of Chemistry.
2011-present **Lawrence Berkeley National Laboratory, Berkeley** Senior Faculty Scientist.
2006-2011 **University of Illinois Urbana-Champaign** Kenneth L. Reinhart Jr. Professor of Chemistry.
2004-2006 **Yale University, New Haven, CT Irénée** DuPont Professor of Chemistry.
1998-2004 **Yale University, New Haven, CT Professor** of Chemistry.
1996-1998 **Yale University, New Haven, CT** Associate Professor of Chemistry.
1992-1996 **Yale University, New Haven, CT** Assistant Professor of Chemistry. Appointment commenced July 1, 1992.

1990-1992 **Massachusetts Institute of Technology, Cambridge, MA** American Cancer Society Postdoctoral Associate.

1986-1989 **University of California, Berkeley, CA** Graduate Student Instructor. Taught organic chemistry to undergraduate students and inorganic chemistry to graduate students.

1985 **Monsanto Japan Ltd., Kawachi, Japan** Worked among an all-Japanese staff for three months on an agricultural and surface science research project.

1984 **General Electric Research and Development, Schenectady, NY** Synthesis of novel monomers, ionomers and polymer blends.

Education

- 1990-1992 **Massachusetts Institute of Technology, Cambridge, MA**
Postdoctoral Advisor: Prof. Stephen J. Lippard
Studied the Pt-DNA adducts formed by an orally active platinum antitumor drug and the ability of these adducts to block DNA replication and bind cellular proteins. Designed, synthesized, and analyzed a platinum antitumor drug possessing a fluorescent ligand for in vivo monitoring.

1986-1990 **University of California, Berkeley, CA** Ph.D., Chemistry.
Ph.D. Advisors: Robert G. Bergman, Richard A. Andersen
Studied the synthesis, transformations, and reaction mechanisms of complexes containing ruthenium-oxygen, ruthenium-nitrogen, and ruthenium-carbon bonds.

1982-1986 **Princeton University, Princeton, NJ** AB, Chemistry, High Honors.
Thesis Advisor: Maitland Jones Jr.

Uncovered a photochemical dihalo-carbene source to study the stereochemistry of their additions to strained olefins.

Awards

2021	Arthur C. Cope Award
2020	John Gamble Kirkwood Award
2019	Wolf Prize in Chemistry
2018	Tetrahedron Prize for Creativity in Organic Chemistry
2018	Elected as a Fellow of the Royal Society of Chemistry
2018	Centenary Prize, Royal Society of Chemistry
2018	John C. Bailor Jr. Medal, University of Illinois
2015	J. Willard Gibbs Medal Award, Chicago Section of the American Chemical Society
2015	Elected Member, American Academy of Arts & Sciences
2014	<i>Organometallics</i> Senior Fellowship
2014	Janssen Pharmaceutica Prize for Creativity in Organic Synthesis
2014	Sierra Nevada Section of the ACS Distinguished Chemist Award
2014	Tetrahedron Chair at the Belgium Symposium on Organic Synthesis
2014	Nagoya Gold Medal Award
2014	National Institutes of Health MERIT Award
2013	ACS Catalysis Lectureship for the Advancement of Catalytic Science
2013	Herbert C. Brown Award for Creative Research in Synthetic Methods
2012	Elected Member, National Academy of Sciences
2011	Einstein Visiting Fellowship, Berlin
2010	GlaxoSmithKline Scholars Award
2009	Edward Mack Jr. Memorial Award, Ohio State University
2009	Mitsui Chemicals Catalysis Science Award, Japan
2009	Joseph Chatt Award of the Royal Society of Chemistry
2008	International Catalysis Award from the International Association of Catalysis Societies
2008	Mukaiyama Award from the Society of Synthetic Organic Chemistry, Japan
2008	Paul N. Rylander Award of the Organic Reactions Catalysis Society
2007	Raymond and Beverly Sackler Prize in the Physical Sciences
2007	Tetrahedron Young Investigator Award in Organic Synthesis
2006	ACS Award in Organometallic Chemistry
2005	Fellow of the American Association for the Advancement of Science
2004	Thieme-IUPAC Prize in Synthetic Organic Chemistry
2004	Solvias Ligand Prize
2004	Chemical Abstract Service Science Spotlight Award
2003	Leo Hendrik Baekeland Award
1998	A.C. Cope Scholar Award
1998	Eli Lilly Award Grantee
1997	Camille Dreyfus Teacher-Scholar Award
1996	Alfred P. Sloan Research Fellowship
1996	Union Carbide Innovative Recognition Award
1995	Union Carbide Innovative Recognition Award
1995	Yale University Junior Faculty Fellowship
1994	National Science Foundation Young Investigator Award
1992	DuPont Young Professor Award
1992	Dreyfus Foundation New Faculty Award
1990-1992	American Cancer Society Postdoctoral Fellow
1990	National Institutes of Health Postdoctoral Fellowship (declined)
1988	University of California Regents Fellow

Recent Collaborators:

Recent Collaborators & Co-Editors: Weston Borden (U. North Texas), Michael Bühl (Mülheim), Richard Finke (Colorado State), Karen Goldberg (U. of Pennsylvania), Michael Hall (Texas A&M), Marc Hillmyer (U. Minnesota), Tatsuo Ishiyama (Hokkaido), William Jones (U. Rochester), Norio Miyaura (Hokkaido), Huimin Zhao (UIUC), Scott Denmark (UIUC), Todd Marder (U. Würzburg).

Former Postdocs:

Adrian Tlahuext Aca (Senior Scientist at Corteva Agriscience), Erik Alexanian (Assistant Professor at University of North Carolina), Elsa Alvaro (Northwestern University Library), Chulsung Bae (University of Nevada, Las Vegas), Joseph Bair (ExxonMobil), Rhett Baillie (Dow Houston), Mark Bartlett (Gilead Sciences), Neal Beare (Gracefield Research in New Zealand), Jason Beiger (Amgen), Timothy Boebel (Dow AgroSciences), Timothy Boller (Dow AgroSciences), Andrew Brusoe (Boehringer-Ingelheim Pharmaceuticals), Ala Bunescu (Junior Professor at U. of Bonn, Germany), Wojciech Chaladaj (Institute of Organic Chemistry, Polish Academy of Sciences), Huiyuan Chen (Compton Corp.), Liye Chen (Postdoc at UCSF), Ming Chen (Assistant Professor, Auburn University), Wenyong Chen (Merck), Hee Yeon Cho (Assistant Professor at Loyola University Chicago), Seung Hwan Cho (Assistant Professor at Pohang University of Science and Technology, South Korea), Kevin Cook (Sem Equip in Halifax), José Cuevas-Vicario (Universidad de Burgos), Juana Du (Gilead), Erin Burger Dunn (Deciphera Pharmaceuticals), Pawel Dydio (Director, U. of Strasbourg, France), Julian Egger (Bayer Healthcare), Alexander Fawcett (Postdoc at U. of Cambridge), Manuel Fernandez-Rodriguez (U. of Oviedo), Fang Gao (Biogen Idec), Shaozhong Ge (Assistant Professor at National U. of Singapore), Ramesh Giri (Professor at Penn State U., PA), Felix Goodson (Westchester University, PA), Aditya Gottumukkala (PPG Industries), Timm Graening (TU Berlin-Berlin University of Technology), Daniel Griffith (Assistant Professor at Lafayette College), Jean-Denys Hamel (Assistant Professor at University of Lethbridge, Canada), Marko Hapke (Research Associate at the Leibniz-Institute for Catalysis, University of Rostock, Germany), Blake Hamman (Attbi), Sheila Hauck (AstraZeneca), Hiroki Hayashi (Specially Appointed Assistant Professor at Hokkaido Univ.), Alexander Haydl (BASF SE), Xiaoming He (Chief Executive Officer at Xgas Tech), Zhitao He (Professor at Shanghai Institute of Organic Chemistry), Seth Herzon (Assistant Professor at Yale), Jeffrey Holder (LEK Consulting), Mark Hooper, Zheng Huang (Professor at Shanghai Institute of Organic Chemistry), Pengfei Ji (Professor at Zhejiang Univ.), Lisa Julian (Lecturer at U. of Illinois at Urbana-Champaign), Eunhye Grace Kang (LG Chem), Kazumori Kawamura (Mitsui), Rashad Karimov (Assistant Professor, Auburn University), Motoi Kawatsura (Professor at Nihon University Bunrigakubu Chemistry, Tokyo, Japan), Christoph Kiener (Basell), Masahiro Kojima (Assistant Professor at Hokkaido University, Japan), Yuichiro Kondo (Takeda), Doris Kunz (Professor at Tübingen University, Germany), Ryoichi Kuwano (Professor at Kyushu U.), Joshua Lawrence (Centenary College of Louisiana), Chin-Fa Lee (Associate Professor at National Chung Hsing University), Dae-Yon Lee (with Toshiaki at NIAIST in Tsukuba, Japan), Sarah Lee (Assistant Professor at Yonsei U., South Korea), Sunwoo Lee (Chonnam National University), Andreas Leitner (BASF), Bijie Li (Assistant Professor at Tsinghua U., China), Haoquan Li (Dow Chemical Co.), Qian Li (Teacher at Tsinghua School), Xuebin Liao (Genomics Institute of the Novartis Research Foundation), Nichole Litvinas (Dept. of Energy), Xiaoxiang Liu (Wyeth), Zhijian Liu (Merck), Oliver Löber (BASF), Haige Lu (Biotech Analyst at Fist Manhattan), Hiroyuki Morimoto (Assistant Professor at Kyushu University), Paramita Mukherjee (Pfizer Inc.), Sean Natoli (Scientist at Procter & Gamble Company), Ulrike Nettekowen (Solvias), Raphael Oeschger (Lonza), Tokutaro Ogata (Faculty of Pharmaceutical Sciences at Hokuriku University), Toshimichi Ohmura (Associate Professor at Kyoto University), Benjamin Partridge (University of

Sheffield, UK), Frédéric Paul (Chargé de Recherche at Renne in the CNRS), Phong Pham (Lecturer at Vietnam National University), Florian Rampf (Bayer), Ritwika Ray (Postdoc at UCSF), André Ridder (Heumann Pharma), Jason Rohde (Walter Reed Army Institute of Research), Devon Rosenfeld (Dow Chemicals), Per Ryberg (Ferring Pharmaceuticals), Norio Sakai (Associate Professor at Tokyo University of Science), Sabine Schlecht (Professor at Freie Universität Berlin), York Schramm (Siegfried Holding AG), Alexey Sergeev (Lecturer at University of Liverpool), Eric Simmons (Bristol-Myers Squibb), Bjorn Schlummer (Bayer), Kevin Shaughnessy (Professor at University of Alabama), Ankit Sharma (Amgen Inc.), Quinetta Shelby (Associate Professor at DePaul University), Ruja Shrestha (BioCollection Inc.), Chutian Shu (KBP Biosciences), Bo Su (Professor at Nankai University), Andrew Solovyev (Andrey Solovyev's Molecular Games), Levy Stanley (Associate Professor at Iowa State University), Shaun Stauffer (Director of the center for Therapeutics Discovery, Cleveland Clinic), Makoto Takahashi (Mitsubishi Chemicals), Jun Takaya (Associate Professor at Tokyo Institute of Technology), Akihiro Takemiya (Mitsubishi Pharma), Ba Tran (Postdoc, Pacific Northwest National Laboratory), Jesse Tye (Associate Professor at Ball State), Christoph Tzschucke (Freie Universität Berlin), Mitsuhiro Ueda (Associate Professor at Osaka Prefecture University), Masaru Utsunomiya (Mitsubishi Chemicals), Keith Wampler (Principal Scientist at Provivi Inc.), Johnathan Webb (Senior Scientist at Imperial Oil), Daniel Weix (Associate Professor at the University of Wisconsin), Zhiqiang Weng (Professor at Fuzhou University), Tyler Wilson (Senior Scientist at Gilead), Lingyun Wu (Senior Director at WuXi App Tec), Makoto Yamashita (Professor at Chuo University), Yasuhiro Yamashita (Assistant Professor at the University of Tokyo), Makoto Yoritate (Assistant Professor at Kyushu University); Mingshuo Zeng (Senior Scientist at Genentech), Qing-Wei Zhang (Assistant Professor at University of Science and Technology of China). Pinjing Zhao (Associate Professor at North Dakota State University), Jing Zhang (Assistant Professor at Wuhan University, China), Jianrong Zhou (Assistant Professor at Nanyang Technological University).

Former Graduate Students:

Luis Alcazar-Roman (Ph.D., now as a Chief Chemist at A.N.C. Waterproofing Industries, Ltd., Cyprus), Natia Anastasi (Ph.D. now an External Research Expert at Neapolis University Pafos and a Senior Scientist at A.N.C. Waterproofing Industries, Ltd., Cyprus), Sophie Arlow (Ph.D.), Fabiola Barrios-Landeros (Ph.D. now an Assistant Professor at Yeshiva University.), Mathew Berger (M.S.), Brad Carrow (Ph.D. now an Assistant Professor at Princeton University), Chen Cheng (Ph.D. now at Merck), Darcy Culkun (Ashland Inc.), Michael Driver (Ph.D. now at Chevron, CA), Patrick Fier (Ph.D. now at Merck), Rebecca Green (Ph.D. now at Bristol-Myers Squibb), Patrick Hanley (Ph.D., now at Dow Midland), Zachary Herrera (M.S.), Christopher Hill (Ph.D. now Founder at Atom Made, LLC), David Huang (M.S., now a Ph.D. student in Medicinal Chemistry at University of Minnesota), Xingyu Jiang (Senior Scientist I, Medicinal Chemistry at Pharmacocyclics, an AbbVie Company), Adam Johns (Ph.D. now at Materia), Hanna Key (Ph.D. now at Yale University), Caleb Karmel (Ph.D., now a Postdoc at UCSF), Jessica Klinkenberg (Ph.D. now at Dow Midland), Jaclyn Murphy Knight (Ph.D. now at Dow Marlborough), Christopher Krug (Ph.D. now at Merck), Matthew Larsen (Ph.D., now at Merck), Taegyo Lee (Ph.D. now at Pfizer Inc.), Carl Liskey (Ph.D. now at UOP-Honeywell), Zachary Litman (Ph.D., now at University of Michigan), Zhennan Liu (Research Scientist, the Institute of Chemical and Engineering Sciences, Singapore), Janis Louie (Ph.D. now Professor and Henry Eyring Fellow at University of Utah), Sherzod Madrahimov (Ph.D., now Assistant Professor at Texas A&M Qatar), Amy Roy MacArthur (Ph.D. now Associate Professor at US Naval Academy), Grace Mann (Ph.D., now Senior Director, Global Clinical Oncology at Corcept Therapeutics), Seth Marquard (Ph.D., now a Staff Scientist at Ecolab), Michael Mormino (Ph.D. now a Postdoctoral Scholar at U. of North Carolina at Chapel Hill), Clare Muhoro (Ph.D. now Associate Professor at Towson University and Research Advisor and AAAS Fellow at USAID), D. Matthew Peacock (Ph.D. now Postdoc at

UCSF). Mark Pouy (Ph.D. now a Lead Scientist at Booz Allen Hamilton), Casseday Richers (Ph.D., now a Postdoctoral Associate at University of Illinois), Daniel Robbins (Ph.D. now Scientist II at Nurix, Inc.), Noam Saper (Senior Research Chemist, Exemplify BioPharma), Christo Sevov (Ph.D., now an Assistant Professor at Ohio State University), Qilong Shen (Ph.D. now Professor at Shanghai Institute of Organic Chemistry), Shashank Shekhar (Ph.D. now a Senior Scientist II at AbbVie), Heather Smith-Hesslink (M.S.), James Stambuli (Ph.D. now a Senior Scientist II at AbbVie), Alexandra Strom (Ph.D., Assistant Professor at Smith College), Yichen Tan (Ph.D. now a Research Investigator II at Bristol-Myers Squibb), Giang Vo (Ph.D. now a Senior Research Investigator at Dupont, CR&D), Karen Waltz (Ph.D.), Justin Wang (Ph.D., now a Senior Scientist at Chevron), Joanna Wolkowski (M.S. now a Project Leader at the Boston Consulting Group), Carolyn Wei (M.S. now a Research Investigator I at Bristol-Myer Squibb), Yumeng Xi (Ph.D., now a Postdoc at UCSB), Jing Zhao (Ph.D. now Professor at Nanjing and Peking Universities).

Former Visiting Scholars:

Joshua Arens (U. South Dakota), Alessandro Bismuto (U. Edinburgh), Miguel Alvarez-Falcon (U. Murcia), Alessandro Bismuto (U. Edinburgh), Philip Boehm (Technical U. of Munich), Bonito Busk (), Ruth Dorel (ICIQ, Tarragona, Spain), Domingo Garcia, Thomas Gogsig (Aarhus University), Tatsuo Ishiyama (Associate Professor at Hokkaido), Martin Jarenmark, Yushu Jin (Kyushu University, Japan), Morten Jorgensen (Lundbeck), Eric Kalkman (University of Minnesota), Noriyasu Kataoka (Ajinomoto), Patricia Lara Munoz (Laboratoire de Chimie de Coordination, Toulouse, France), Jens Larsen (Danish University of Pharmaceutical Sciences), Sunwoo Lee (Chonnam National University, So. Korea), Fernando Lopez (postdoc with Ben Feringa), Thomas O'Connor (UC Berkeley), Dean Markovic (EPFL, Switzerland), Yasunori Minami (Osaka U.), Harunobu Mitsunuma (U. of Tokyo), Johannes Morstein (U. Columbia), Yoshiaki Nakao (Assistant Professor with Tamao at Kyoto U.), Florian Puschmann (postdoc with Grützmacher at ETH), Jan Pawlas (Acadia Pharmaceuticals), Trang Nguyen (Hanoi University of Science), Sebastian Peil (Leibniz University, Hannover), Susana Pérez-Ferreras, Dieter Schaarschmidt (Chemnitz U. of Tech.), Dan Sheeran (Eastern Illinois University), Christian Steffens (Institute for Technical and Macromolecular Chemistry), Tetsu Tsubogo (U. Tokyo), Satoshi Ueno (Assistant Professor at Kyushu University), Akira Yada (Max Planck Institute), Hideaki Yamamichi (Sumitomo Chemical), Yasuhiro Yamashita (University of Tokyo). Fengfeng Guo (China), James Shanahan, Christian Bold, Hiro Serizawa, Hiroki Hayashi (Assistant Professor at Kyushu University), Marie Wong (Oxford University), Sol Puenzo, Eunhye Kang (LG Chem), Johannes Morstein (University of New York), Matthias Freitag (), Victor Laserna Ayora (ICIQ, Tarragona, Spain), Yajie Wang, Yichen Weng (Tsinghua University).

Current Students:

Brandon Bloomer, Trevor Butcher, Rei Chi Chen, Isaac Donnell, Steven Hanna, Eric Kalkman, Zhennan Liu, Jason Ma, Yehao Qiu, Jake Wilson, Isaac Yu.

Current Postdoctoral Associates:

Kyoungmin Choi, Connor Delaney, Masha Elkin, Yang Gu, Erik Romero.

Teaching

Fall 1992	Chem 452a/552a "Organometallic Chemistry" 25 students
Fall 1993	Chem 452a/552a "Organometallic Chemistry" 24 students
Spring 1994	Chem 555b "Mechanistic Transition Metal Chemistry" 12 students

Fall 1994	Chem 457a/557a "Modern Coordination Chemistry" 25 students
Spring 1995	Chem 555b "Mechanistic Transition Metal Chemistry" 8 students
Fall 1995	Junior Faculty Fellowship
Spring 1996	Junior Faculty Fellowship
Fall 1996	Chem 452a/552a "Organometallic Chemistry" 12 students
Spring 1997	Chem 114 "Comprehensive General Chemistry" 150 students
Fall 1997	Chem 452a/552a "Organometallic Chemistry" 16 students
Spring 1998	Chem 114 "Comprehensive General Chemistry" ca. 150 students
Fall 1998	Chem 452a/552a "Organometallic Chemistry" 12 students
Spring 1998	Faculty Leave
Fall 1999	Chem 457a/557a "Coordination Chemistry" 11 Students
Spring 2000	Chem 555b "Mechanistic Transition Metal Chemistry" 15 students
Fall 2000	Chem 452a/552a "Organometallic Chemistry" 13 students
Spring 2001	Chem 252 "Introduction to Inorganic Chemistry" 5 students
Fall 2002	Chem 555b "Mechanistic Transition Metal Chemistry" 8 students
Spring 2003	Chem 252 "Introduction to Inorganic Chemistry" 25 students
Fall 2003	Chem 452a/552a "Organometallic Chemistry" 20 students
Spring 2004	Chem 252 "Introduction to Inorganic Chemistry" 12 students
Fall 2004	Chem 452a/552a "Organometallic Chemistry" 25 students
Spring 2005	Faculty Leave
Fall 2005	Chem 452/552 "Organometallic Chemistry" 9 students
Spring 2006	Chem 555b "Mechanistic Transition Metal Chemistry" 19 students
Spring 2007	Chem 538a "Organometallic Chemistry" 30 students
Fall 2007	Chem 538a "Organometallic Chemistry" 30 students
Spring 2008	Chem 530 "Organic Structure and Spectroscopy"
Fall 2008	Chem 538a and b "Organometallic Chemistry" 25 students
Spring 2009	Chem 530 "Organic Structure and Spectroscopy" 19 students
Fall 2009	Chem 535 "Organic Chemistry Seminar" 7 students
Spring 2010	Chem 530 "Organic Structure and Spectroscopy" 22 students
Fall 2010	Chem 535 "Organic Chemistry Seminar" 8 students
Spring 2011	Chem 530 "Organic Structure and Spectroscopy" 23 students
Spring 2012	Chem 262 "Metal in Organic Synthesis" 20 students
	Chem 263 A and B "Synthesis Design I and II" 21 students
Spring 2013	Chem 104B "Advanced Inorganic Chemistry" 66 students
	Chem 262 "Metal in Organic Synthesis" 18 students
	Chem 263 A "Synthesis Design I" 12 students
Spring 2014	Chem 104B "Advanced Inorganic Chemistry" 63 students
	Chem 262 "Metal in Organic Synthesis" 14 students
	Chem 263 A "Synthesis Design I" 12 students
Fall 2014	Chem 265 "Nuclear Magnetic Resonance Theory and Application" 7 students
Spring 2015	Chem 104B "Advanced Inorganic Chemistry" 74 students
	Chem 262 "Metal in Organic Synthesis" 10 students
Fall 2015	Chem 265 "Nuclear Magnetic Resonance Theory and Application" 20 students
Spring 2016	Chem 262 "Metal in Organic Synthesis" 20 students
Fall 2016	Chem 265 "Nuclear Magnetic Resonance Theory and Application" 19 students
Spring 2017	Chem 262 "Metal in Organic Synthesis" 21 Students
Fall 2017	Chem 265 "Nuclear Magnetic Resonance Theory and Application" 18 students
Spring 2018	Chem 262 "Metal in Organic Synthesis" 17 students
	Chem 263 A and B "Synthesis Design I and II" 16 students
Fall 2018	Chem 265 "Nuclear Magnetic Resonance Theory and Application"
Spring 2019	Chem 262 "Metal in Organic Synthesis" 27 students

	Chem 263 A and B "Synthesis Design I and II" 21 students
Fall 2019	Chem 265 "Nuclear Magnetic Resonance Theory and Application" 23 students
Spring 2020	Chem 262 "Metal in Organic Synthesis" 24 students
	Chem 263 A and B "Synthesis Design I and II" 24 students
Fall 2020	Chem 265 "Nuclear Magnetic Resonance Theory and Application"
Spring 2021	Chem 262 "Metal in Organic Synthesis" 15 students
	Chem 263 A and B "Synthesis Design I and II" 16 students

University Service

University of Illinois, Urbana-Champaign

2006-2011	Diversity Committee
2009-2010	Chair, Diversity Committee
2006-2009	Committee on Staff
2009-2010	Chair, Committee on Staff
2007-2011	Facility Committee – NMR representative
2008	Search Committee for the X-ray Crystallography Facility
2008	Search Committee for the NMR Facility

University of California, Berkeley

2011-2012	Planning Committee
2011-present	Safety Committee
2012	Ad hoc Committee
2012-present	Planning Committee, Chair
2012-present	Graduate Life Committee
2014-present	Organic Seminar Chair
2019-present	
2020-present	Admissions, Enrollment, and Preparatory Education (AEPE) Committee

Lawrence Berkeley National Laboratory

2012	Chemical Sciences Division Director Search Committee
2013-present	Program Leader for the LBNL Catalysis Center
2013-present	Divisional Council Member

Meeting Organization

1998	National Academy of Sciences, Frontiers of Science Symposium: Chemistry session on "Femtochemistry"
1999	National Academy of Sciences, Frontiers of Science Symposium: Chemistry session on "Combinatorial Chemistry beyond Pharmaceuticals"
2000	National Academy of Sciences, Frontiers of Science Symposium: Chemistry session on "Cell Surfaces and Molecular Recognition"
2000	Spring ACS National Meeting: Session on Combinatorial Catalyst Development
2001	Fall ACS National Meeting: Session on Homogeneous Catalysis in the Petrochemical Industry
2012	DARPA, Workshop: "Low-temperature Electrochemical Oxidation of Hydrocarbon Fuels"

Professional Activities

2010-current	AAAS Chemistry Section, Council Delegate
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Community Activities

1999 The Science Coalition, Washington DC, Congressional Lobbying Day

Journal Activities

2006-2009 Editorial Advisory Board for *Organometallics*

2009-current Editorial Advisory Board for *CHEMCATCHEM*

2012-current Editorial Advisory Board for Accounts of Chem. Res.

2012-current Editorial Advisory Board for Angew. Chemie.

Extensive reviewing for ACS journals, Science, Nature, Nature-Chemistry, Wiley Journals, Chemical Communications, and Tetrahedron journals.

Consulting

Member of the Scientific Advisory Board for Johnson-Matthey Catalysts

Member of the Scientific Advisory Board for Micurx

Member of the Scientific Advisory Board for Applica Tech

Member of the Scientific Advisory Board for Cambridge Major Laboratories

Member of the Scientific Advisory Board for Aspira

Consultant for Halcyon Molecular

Consultant for Dow Chemicals

Consultant for Eli Lilly

Consultant for Myriant Corp.

Founder of Catylix, Inc.

Selected Named Lectureships

1998 R.C. Fuson Lectureship, Urbana-Champaign, Illinois

2000 Frontiers of Chemistry Lecturer, KlosterSeeon, Germany

2000 Astra-Zeneca Lecture Stockholm, Sweden

2001 Carl Ziegler Lecture Mülheim, Germany

2001 Gerhard Closs Lectureship, University of Chicago

2002 Roche Lecturer, University of Colorado

2003 Karcher Lectureship, University of Oklahoma

2004 Sasol Lectureship, University of Ottawa

2004 Eli Lilly Lecturer, Colorado State University

2004 Novartis Lectureship Series

2004 Methylgene Lecturer, University of Montreal

2005 2005 Merck Frosst Lecturer, University of Victoria

2005 Frank Burnett Dains Memorial Lecture, University of Kansas

2005 Stuart Rosenfeld Lecture, Smith College

2006 Dalton Lecture, University of California, Berkeley

2006 Eli Lilly Symposium, Harvard University

2007 Clark Lecturer, West Virginia University

2008 Frontiers in Chemical Research Lecturer, Texas A&M University

2008 Frontiers In Chemistry, Wayne State University, Michigan

2008 Gassman Lecturer, University of Minnesota, Minneapolis

2009 Peter C. Reily Lectureship, Notre Dame, Indiana

2009 UC Irvine-Novartis Lectureship, California

2009 Schulich Visiting Professor Lectureship, Technion-Israel Institute of Technology

2009 RSC Joseph Chatt Lectureship, United Kingdom

2009 Visiting Miller Professor Lecture, University of California, Berkeley

2010 Heck Lectureship, University of Delaware, Newark

2011 Hutchison Lecturer, University of Rochester
 2011 Richard A. Walton Lecturer, Purdue University
 2012 Moses Gomberg Lecturer, University of Michigan
 2012 Behringer-Simon Lecturer, Swiss Federal Institute of Technology (ETH) Zürich
 2012 Russell Marker Lecturer, Penn State University
 2013 Baker Lecturer, Cornell University
 2013 Chevron Phillips' Frontier's of Technology Speaker at Chevron Phillips Chemical, Kingwood, TX
 2013 Plenary Lecturer at the 17th IUPAC International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis, Fort Collins, CO
 2013 Student Selected Lecturer, Indiana University
 2013 Aldrich Lectureship, Oklahoma State University
 2013 Student Invited Talk, Stanford University
 2013 Pettit Lectureship, University of Texas, Austin
 2014 Max Tishler Prize Lecturer, Harvard University, Cambridge, MA
 2014 The 31st H.C. Brown Lecture in Organic Chemistry, Purdue University, West Lafayette, IN
 2014 The Student-hosted Symposia at Shenzhen Graduate School, Peking University, Beijing, China
 2014 Keynote Speaker, the Eli Lilly Ph.D. Students Awards, Madrid, Spain
 2014 2014 Nagoya Medal of Organic Chemistry Award, Gold Medal Lecture 1, Nagoya University, Nagoya, Japan
 2014 H.J. Backer Lecture 2014 at University of Groningen, The Netherlands
 2015 Musher Memorial Lectureship at The Hebrew University of Jerusalem, Israel
 2015 Keynote Speaker at the 2015 Gordon Research Conference on Mechanisms in Catalysis, Galveston, TX
 2015 Keynote Speaker at the 16th Tetrahedron Symposium: Challenges in Bioorganic & Organic Chemistry, Berlin, Germany
 2015 Scynexis Lecture at University of North Carolina, Chapel Hill, NC
 2015 Lloyd B. Thomas Chemistry Scholar/Lectureship at the University of Missouri, Columbia, MO
 2016 Visions in Chemistry, The Torkil Holm Symposium, Copenhagen, Denmark
 2016 Smart Lecture, West Florida, Pensacola, FL
 2016 Keynote Lecture at Hong Kong Polytechnic University, Hong Kong, China
 2016 Plenary Lecturer at the XXVI Biennial Meeting in Organic Chemistry of the Royal Society of Chemistry, Huelva, Spain
 2016 MacLean Lecturer at McMaster University, Hamilton, Ontario, Canada
 2016 Sigma Aldrich Lecturer, University of Toronto, Ontario, Canada
 2016 Camille & Henry Dreyfus Lectureship, University of Basel, Switzerland
 2017 McNelis Distinguished Lectureship, New York University
 2017 Boulder Scientific Lecturer, Colorado State University
 2017 Shulich lectureship, Technion University, Haifa, Israel
 2017 Robert Robinson Lectures, University of Oxford, England
 2017 BMS Lecturer, University of Michigan, Ann Arbor, MI
 2017 Hamilton Lectures, University of Nebraska, Lincoln, NE
 2017 Fishel lecture, Vanderbilt University, Nashville, TN
 2018 Edgar Fahd Smith Award from the Philadelphia Section of the ACS, University of Pennsylvania, Philadelphia, PA
 2018 John C. Bailar Lectures, University of Illinois, Urbana-Champaign, IL
 2018 Stauffer Lectureship, University of Southern California, Los Angeles, CA

- 2018 Keynote Speaker at the 8th Annual Lester Andrews Graduate Research Symposium, Mississippi State University, Mississippi, MS
- 2018 Plenary Lecturer at the 28th International conference on Organometallic Chemistry, Florence, Italy
- 2018 2018 Charles Reed Lecture, Department of Chemistry & Chemical Biology at Rensselaer Polytechnic Institute, Troy, NY
- 2018 Dreyfus Foundation Teacher-Scholar Symposium – Research Frontiers in the Chemical Sciences, New York, NY
- 2018 Chemistry Colloquium Seminar, University of Washington, Seattle, WA
- 2019 Plenary Speaker at the 30th Annual Frontiers in Chemistry Symposium, The Scripps Research Institute, La Jolla, CA
- 2019 Department of Chemistry, University of Massachusetts, Amherst, MA
- 2019 Inorganic Seminar at University of Utah, Salt Lake City, UT
- 2019 Royal Society of Chemistry Award Lectures at University of Sheffield, Loughborough University, Queen’s University, Belfast, United Kingdom
- 2019 Student Seminar at Department of Chemistry, University of Minnesota, Minneapolis, MN
- 2019 11th Eisch Distinguished Lecture, Binghamton University, Binghamton, NY
- 2020 2020 Broadbent Lecture, Brigham Young University, Provo, UT
- 2020 Plenary Speaker at the Applied Late-Stage Functionalization: Where Chemistry Meets Biology Symposium, Manchester, UK
- 2020 Merck Lecturer at University of Cambridge, Cambridge, UK

Invited Seminars

1. 05/07/93 New England Workshop on Organometallic Chemistry, New Haven, CT, “Transition Metal Boryl Complexes: Unusual Metal-Ligand Interactions”
2. 07/15/93 Organometallic Gordon Conference, Newport, RI, “Transition Metal Boryl Complexes: Unusual Metal-Ligand Interactions”
3. 08/23/93 American Chemical Society Meeting, Session on Main Group Organometallic Chemistry: Novel Structures and Reactivity, Chicago, IL, “Covalent Main Group-Transition Metal Bonds: Synthesis, Structure, and Reactivity of Late Metal-Boryl Complexes”
4. 11/18/93 Dartmouth College Chemistry Seminar, Hanover, NH, “The Chemistry of Compounds Containing Reactive Metal-Boron and -Nitrogen Bonds”
5. 03/11/94 Miles Pharmaceutical Division, West Haven, CT, “Chemistry at Transition Metal-Boron and -Nitrogen Bonds: Applications to Catalytic Hydroboration, Hydroamination, and Hetero Cross Couplings”
6. 03/14/94 American Chemical Society Meeting, Awards Symposium in Honor of Stephen J. Lippard and Tobin J. Marks, San Diego, CA, “Catalytic and Stoichiometric Formation of Carbon-Nitrogen Bonds”
7. 05/24/94 DuPont Central Research and Development, Wilmington, DE, “Transition Metals, Boron, Nitrogen, and Sulfur. Fundamentals to Homogeneous Catalysis”
8. 10/13/94 Rutgers University, Newark, NJ, “Transition Metals, Boron, Nitrogen, and Sulfur. Fundamentals to Homogeneous Catalysis”
9. 11/02/94 Massachusetts Institute of Technology, Cambridge, MA, “Transition Metals, Boron, Nitrogen, and Sulfur. Fundamentals to Homogeneous Catalysis”

10. 11/17/94 Brown University, Providence, RI, "Transition Metals, Boron, Nitrogen, and Sulfur. Fundamentals to Homogeneous Catalysis"
11. 02/09/95 New York Academy of Sciences, New York, NY, "Transition Metals, Boron, Nitrogen, and Sulfur. Fundamentals to Homogeneous Catalysis"
12. 02/13/95 Cornell University, Ithaca, NY, "Transition Metals, Boron, Nitrogen, and Sulfur. Fundamentals to Homogeneous Catalysis"
13. 03/07/95 Stanford University, Stanford, CA, "Transition Metals, Boron, Nitrogen, and Sulfur. Fundamentals to Homogeneous Catalysis"
14. 03/09/95 University of California, Davis, CA, "Transition Metals, Boron, Nitrogen, and Sulfur. Fundamentals to Homogeneous Catalysis"
15. 03/10/95 University of California, Berkeley, CA, "Transition Metals, Boron, Nitrogen, and Sulfur. Fundamentals to Homogeneous Catalysis"
16. 04/07/95 American Chemical Society Meeting, Symposium on Transition Metal-Catalyzed Coupling Chemistry, Anaheim, CA, "Mechanism of Carbon-Heteroatom Bond Forming Coupling Reactions: A Novel Reductive Elimination Reaction"
17. 04/13/95 University of Pittsburgh, Pittsburgh, PA, "The Organometallic Chemistry of Transition Metal-Boryl, -Amido, and -Thiolato Complexes: From Bonding Principles to Catalytic Applications"
18. 04/14/95 University of West Virginia, Morgantown WV, "The Organometallic Chemistry of Transition Metal-Boryl, -Amido, and -Thiolato Complexes: From Bonding Principles to Catalytic Applications"
19. 05/05/95 Hoescht-Celanese, Corpus Christi, TX, "The Organometallic Chemistry of Transition Metal-Boryl, -Amido, and -Thiolato Complexes: From Bonding Principles to Catalytic Applications"
20. 05/12/95 Union Carbide, Charleston, WV, Innovative Recognition Award Symposium: "The Organometallic Chemistry of Transition Metal-Boryl, -Amido, and -Thiolato Complexes: From Bonding Principles to Catalytic Applications"
21. 07/07/95 Organometallic Gordon Conference, Newport, RI, "Mechanism of Carbon-Heteroatom Bond Forming Coupling Reactions: A Novel Reductive Elimination Reaction"
22. 10/10/95 Boehringer-Ingelheim, Ridgefield, CT, "Palladium-Catalyzed Amination and Thiation of Aromatic Halides"
23. 11/13/95 DuPont Central Research, Wilmington, DE, "Recent Results in the Catalytic Amination of Aryl Halides"
24. 11/14/95 University of Pennsylvania, Philadelphia, PA, "Catalytic and Stoichiometric Organometallic Chemistry involving Compounds with Covalent Metal-Heteroatom Bonds"
25. 01/10/96 Guelph-Waterloo Centre for Graduate Work in Chemistry, Waterloo, Ontario "Catalytic and Stoichiometric Organometallic Chemistry involving Compounds with Covalent Metal-Heteroatom Bonds"
26. 01/11/96 University of Toronto, Toronto, Ontario "Catalytic and Stoichiometric Organometallic Chemistry involving Compounds with Covalent Metal-Heteroatom Bonds"

27. 01/12/96 University of Chicago, Chicago, IL, "Catalytic and Stoichiometric Organometallic Chemistry involving Compounds with Covalent Metal-Heteroatom Bonds"
28. 02/05/96 University of Hamburg, Hamburg, Germany, "Transition Metal Boryl Complexes and Reactions of Organometallic Compounds with Boranes"
29. 02/06/96 University of Göttingen, Göttingen, Germany "Transition Metal Boryl Complexes and Reactions of Organometallic Compounds with Boranes"
30. 02/07/96 University of Bielefeld, Bielefeld, Germany, "Transition Metal Boryl Complexes and Reactions of Organometallic Compounds with Boranes"
31. 02/09/96 University of Heidelberg, Heidelberg, Germany, "Transition Metal Boryl Complexes and Reactions of Organometallic Compounds with Boranes"
32. 02/12/96 University of Aachen, Aachen, Germany, "Transition Metal Boryl Complexes and Reactions of Organometallic Compounds with Boranes"
33. 02/13/96 University of Essen, Essen, Germany, "Transition Metal Boryl Complexes and Reactions of Organometallic Compounds with Boranes"
34. 02/14/96 University of Würzburg, Würzburg, Germany "Transition Metal Boryl Complexes and Reactions of Organometallic Compounds with Boranes"
35. 02/15/96 University of Munich, Munich, Germany, "Transition Metal Boryl Complexes and Reactions of Organometallic Compounds with Boranes"
36. 02/16/96 University of Bayreuth, Bayreuth, Germany, "Transition Metal Boryl Complexes and Reactions of Organometallic Compounds with Boranes"
37. 02/22/96 University of California, Irvine, CA, "Catalytic and Stoichiometric Organometallic Chemistry involving Compounds with Covalent Metal-Heteroatom Bonds"
38. 02/23/96 University of California, San Diego, CA, "Catalytic and Stoichiometric Organometallic Chemistry involving Compounds with Covalent Metal-Heteroatom Bonds"
39. 02/26/96 California Institute of Technology, Pasadena, CA, "Catalytic and Stoichiometric Organometallic Chemistry involving Compounds with Covalent Metal-Heteroatom Bonds"
40. 03/24/96 American Chemical Society National Meeting, New Orleans, LA, "Hydrocarbon Functionalization by Transition Metal Boryl Complexes"
41. 03/25/96 American Chemical Society National Meeting, New Orleans, LA, "N-H Bond Activation by Late Transition Metal Compounds"
42. 05/16/96 Union Carbide, Charleston, WV, Innovative Recognition Award Symposium: "Further Organometallic Chemistry of Transition Metal-Boryl, -Amido, and -Thiolato Complexes"
43. 06/07/96 NSF Workshop in Organometallic Chemistry: Orcas Island, WA, "Organometallic Chemistry of Metal Amide and Boryl Complexes"
44. 07/08/96 Ecole Polytechnique, Palaiseau, France, "Palladium Catalyzed Amination of Aryl Halides: Rational Catalyst Selection Through Mechanistic Understanding"
45. 07/09/96 Université de Rennes, Rennes, France, "Palladium Catalyzed Amination of Aryl Halides: Rational Catalyst Selection Through Mechanistic Understanding"

46. 07/11/96 Université de Strasbourg, Strasbourg, France, "Palladium Catalyzed Amination of Aryl Halides: Rational Catalyst Selection Through Mechanistic Understanding"
47. 07/16/96 Session Lecture, International Meeting on Boron Chemistry, Heidelberg, Germany, "Hydrocarbon Functionalization by Late Metal Boryls and Chemistry of Titanocene-Bound Catecholborane"
48. 08/25/96 American Chemical Society Meeting, Orlando FL, "Catecholborane Bound to Titanocene. A New Class of X-H Sigma Complex"
49. 10/01/96 Organic Seminar, University of Florida, Gainesville, FL, "Palladium Catalyzed Amination of Aryl Halides: Rational Catalyst Selection Through Mechanistic Understanding"
50. 10/15/96 Connecticut College, New London, CT, "Transition Metal-Catalyzed Nucleophilic Aromatic Substitution"
51. 11/19/96 University of Washington, Seattle, WA, "A Rational Approach to Palladium-Catalyzed Amination of Aryl Halides"
52. 11/20/96 University of California, Los Angeles, CA, "A Rational Approach to Palladium-Catalyzed Amination of Aryl Halides"
53. 11/21/96 University of Southern California, Los Angeles, CA, "Catalytic and Stoichiometric Formation of Carbon-Heteroatom Bonds by Transition Metals"
54. 12/02/96 University of Rochester, Rochester, NY, "Catalytic and Stoichiometric Formation of Carbon-Heteroatom Bonds by Transition Metals"
55. 12/16/96 Union Carbide Catalyst Skills Center, South Charleston, WV, "Catalytic and Stoichiometric Formation of Carbon-Heteroatom Bonds by Transition Metals"
56. 03/17/97 University of Wisconsin, Madison, WI, "Catalytic and Stoichiometric Formation of Carbon-Heteroatom Bonds by Transition Metals"
57. 03/19/97 University of Arkansas, Fayetteville, AK, "Catalytic and Stoichiometric Formation of Carbon-Heteroatom Bonds by Transition Metals"
58. 03/20/97 DuPont Central Research, Wilmington, DE, "Metal-Mediated Formation of C-N Bonds"
59. 04/15/97 Invited lecture for session on "Recent Developments in Organopalladium Chemistry," American Chemical Society Meeting, San Francisco, CA, "Synthetic and Mechanistic Aspects of Palladium-Catalyzed Amination and Alkoxylation of Aryl Electrophiles"
60. 06/18/97 Lilly Research Laboratories, Indianapolis, IN, "Palladium Catalyzed Arylation of Amines, Alcohols, and Ketones: Fundamentals and Applications"
61. 09/03/97 University of Connecticut, Storrs, CT, Departmental Seminar "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
62. 10/01/97 Michigan State University, Lansing, MI, Departmental Seminar "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
63. 10/02/97 Notre Dame University, South Bend, IN, Departmental Seminar "Late Metal Boryl and Early Metal Borane Complexes: Alkane Functionalization and sigma-Complexes"

64. 10/17/97 General Electric Research and Development, Schenectady, NY, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
65. 11/12/97 Fifth Chemical Congress of North America, Cancún, Mexico, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
66. 11/12/97 Fifth Chemical Congress of North America, Cancún, Mexico, "Metal Mediated B-C Bond Formation: Metal Boryl and Borane Complexes"
67. 11/25/97 Shell Chemical, Houston, TX, "Hydrocarbon Functionalization with Transition Metal Boryl Complexes"
68. 02/26/98 Department of Chemistry, University of North Carolina, Chapel Hill, NC, "Late Metal Boryl and Early Metal Borane Complexes: Alkane Functionalization and New Sigma-Complexes"
69. 03/05/98 Princeton University, Princeton, NJ, Departmental Seminar "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
70. 03/11/98 Department of Chemistry, Stanford University, Stanford, CA, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
71. 04/18/98 Monsanto Organic Symposium, University of Illinois, Urbana-Champaign, IL, "Metal Mediated Aromatic Amination, Thiation, and Etheration: Fundamentals and Applications"
72. 04/27/98 North Jersey American Chemical Society Section "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
73. 05/08/98 Merck Pharmaceuticals, West Point, PA, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
74. 05/21/98 American Cyanamide, Princeton NJ, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
75. 06/04/98 Department of Energy Symposium, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
76. 06/12/98 Plenary Lecture, Nozaki Conference, Hokkaido, Japan, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
77. 06/14/98 Tsukuba Research Center, Tsukuba, Japan, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
78. 06/15/98 Ajinomoto, Kawasaki, Japan, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
79. 06/16/98 Tosoh Company, Yokkachi, Japan, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
80. 07/09/98 Zeneca Pharmaceuticals, Cheshire, England, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"

81. 07/12/98 Keynote Lecture, International Conference on Homogeneous Catalysis, St. Andrews, Scotland, "Metal Mediated Aromatic Amination, Thiation, and Etheration: Fundamentals and Applications"
82. 08/25/98 Cope Scholar Award Seminar, American Chemical Society Meeting, Boston, MA
83. 09/30/98 RW Johnson, Spring House, PA, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
84. 10/06/98 University of Illinois Department of Chemistry, Urbana, IL, R.C. Fuson Visiting Scholar "Synthetic Aspects of Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones", "Mechanistic Aspects of Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones", "Late Metal Boryl and Early Metal Borane Complexes: Alkane Functionalization and New σ -Complexes"
85. 11/04/98 Pfizer Pharmaceuticals, Groton CT, "Palladium and Nickel-Catalyzed Chemistry of Amines, Alcohols and Ketones. Fundamentals and Applications"
86. 12/11/98 Department of Chemistry, University of Virginia, Charlottesville, VA, "Organometallic Chemistry of Catalytic Carbon-Heteroatom and Carbon-Carbon Bond Formation"
87. 12/15/98 Department of Chemistry, Boston College, Boston, MA, "Organometallic Chemistry of Catalytic Carbon-Heteroatom and Carbon-Carbon Bond Formation"
88. 01/11/99 University of California, San Diego, CA, "Two Complementary Approaches to Catalyst Discovery"
89. 02/04/99 Zeneca Pharmaceuticals, Wilmington, DE, "Organometallic Chemistry of Catalytic Carbon-Heteroatom and Carbon-Carbon Bond Formation"
90. 02/11/99 Department of Chemistry, SUNY Stony Brook, Stony Brook, NY, "Organometallic Chemistry of Catalytic Carbon-Heteroatom and Carbon-Carbon Bond Formation"
91. 02/19/99 Department of Chemistry, University of Miami, Miami, FL, "Alkane Functionalization by Metal-Boryl Complexes"
92. 02/22/99 Symyx, Santa Clara, CA, "Two Complementary Approaches to Catalyst Discovery"
93. 03/01/99 Johnson Matthey, Cherry Hill, NJ, "Two Complementary Approaches to Catalyst Discovery"
94. 03/12/99 Bristol-Meyers Squibb, Princeton NJ, "New Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Reactions"
95. 03/21/99 American Chemical Society Meeting, Symposium on C-H Activation, Anaheim CA "Alkane Functionalization by Metal-Boryl Complexes"
96. 03/22/99 American Chemical Society Meeting, Symposium on the Synthesis of Novel Polymeric Materials "Palladium Catalyzed Amination for the Synthesis of Triarylamine Polymers"
97. 04/10/99 Organometallics Conference, Taipei, Taiwan, "Organometallic Chemistry of Catalytic Carbon-Heteroatom and Carbon-Carbon Bond Formation"

98. 05/06/99 ETH, Zurich, Switzerland, "Two Complementary Approaches to Catalyst Discovery"
99. 05/11/99 München Chemical Society, München, Germany, "Two Complementary Approaches to Catalyst Discovery"
100. 05/30/99 Conference on Transition Metals in Catalysis, Toronto, Ontario, Canada, "Organometallic Chemistry of Catalytic Carbon-Heteroatom and Carbon-Carbon Bond Formation"
101. 07/18/99 IUPAC Conference on Organo-Metallic Chemistry Directed Towards Organic Synthesis "New Classes of Palladium-Catalyzed Arylation Reactions"
102. 09/16/99 Rensselaer Polytechnic Institute, Troy, NY, "Selective Alkane Functionalization"
103. 10/08/99 Mini symposium on Organometallic Chemistry, The Danish Chemical Society, Copenhagen, Denmark
104. 10/26/99 University of Michigan, Ann Arbor, MI, "Selective Alkane Functionalization"
105. 10/27/99 Pharmacia & Upjohn, Kalamazoo, MI, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
106. 11/12/99 National Academy of Sciences, Frontiers of Science Conference, "Introduction to Combinatorial Chemistry in Catalysis and Materials Science"
107. 11/28/99 Rhone-Poulenc, Raleigh-Durham NC, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
108. 12/03/99 University of Maryland at College Park, MD, "Selective Alkane Functionalization"
109. 12/08/99 Louisiana State University, Baton Rouge, LA, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
110. 12/09/99 Cambridge Healthtech Institute, New Orleans, LA, Engineered Catalysis conference "High Throughput Methods For Analysis of C-C and C-N Bond-Forming Processes"
111. 01/19/00 Bristol-Meyers Squibb, Wallingford, CT, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
112. 01/26/00 Roche, Newark, NJ, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
113. 02/10/00 University of Alabama, Tuscaloosa, AL, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
114. 02/25/00 University of Connecticut, Storrs, CT, "Palladium-Catalyzed Synthesis of Arylamine Macromolecules"
115. 02/28/00 Colloquium at Brandeis University, Waltham, MA, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
116. 03/06/00 Ninth Biennial Lilly Grantee Symposium in Organic Chemistry, Indianapolis, IN, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
117. 03/12/00 Columbia University, New York, NY, Departmental Colloquium, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"

118. 03/26/00 American Chemical Society National Meeting, San Francisco, CA, Transition Metals in Polymers and Polymerization, "Palladium-Catalyzed Synthesis of Arylamine Macromolecules"
119. 03/26/00 American Chemical Society National Meeting, San Francisco, CA, Combinatorial Catalyst Discovery, "High Throughput Screening for Carbon-Heteroatom and Carbon-Carbon Bond Forming Reactions"
120. 04/16/00 IBC USA Conferences and Sepracor, Naples, FL, New Synthetic Methods, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
121. 04/18/00 Florida Catalysis Conference, Palm Coast, FL, "Metal-Catalyzed Carbon-Heteroatom Bond Formation"
122. 04/27/00 University of Toronto, Toronto, Canada, "Regiospecific Functionalization of Alkanes"
123. 04/28/00 University of Toronto, Toronto, Canada, "New Classes of Transition Metal-Catalyzed Amine, Alcohol, Ketone and Amide Arylations. Mechanism, Methodology and Macromolecules"
124. 06/02/00 Second Annual Boston College-ArQule Symposium on Combinatorial Chemistry "High Throughput Screening for Carbon-Heteroatom and Carbon-Carbon Bond Forming Reactions"
125. 06/13/00 BP-Amoco, Naperville, IL, "Regioselective Functionalization of Alkanes"
126. 06/14/00 Union Carbide, Charleston, WV, "Regioselective Functionalization of Alkanes"
127. 06/20/00 SK Energy and Chemicals, Newark, NJ, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
128. 07/04/00 BASF, Ludwigshafen, Germany, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
129. 07/05/00 Ludvig Maximillian University, Munich, Germany, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
130. 07/07/00 Frontiers of Chemistry Symposium, Munich, Germany, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
131. 07/16/00 Gordon Research Conference on Organic Reactions and Processes, Roger Williams University, Bristol, RI, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
132. 07/30/00 Gordon Research Conference on Organometallic Chemistry, Salve Regina University, "Selective Alkane Functionalization"
133. 09/08/00 University of Kentucky, Lexington, KY, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
134. 09/23/00 IASOC-2000: New Challenges of Organic Synthesis in the 21st Century, University of Napoli, Ischia, Italy, "Palladium-Catalyzed C-N, C-O, and C-C Bond Forming Processes and How They Work"
135. 10/06/00 M.I.T. Symposium for Steven Lippard's 60th Birthday, Cambridge, MA, "Selective Alkane Functionalization"
136. 10/18/00 ACS Short-Course on "Chemical Discovery: Catalyst Discovery"

137. 10/20/00 Bristol Myers-Squibb Process Research, New Brunswick, NJ, "High Throughput Screening for Carbon-Heteroatom and Carbon-Carbon Bond Forming Reactions"
138. 10/25/00 Catalytica, Inc., Mountain View, CA, "Transition Metal-Catalyzed Hydroamination"
139. 10/27/00 Department of Chemistry, Stanford University, Stanford, CA, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
140. 10/28/00 Department of Chemistry, University of California, Berkeley, CA, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
141. 11/08/00 Exxon-Mobile, Annandale, NJ, "Selective Alkane Functionalization"
142. 11/10/00 Department of Chemistry, University of Rhode Island, Kingston, RI, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
143. 11/17/00 Department of Chemistry, University of Minnesota, Twin Cities, MN, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
144. 11/27/00 Department of Chemistry, Amherst College, Amherst, MA, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
145. 12/04/00 Department of Chemistry, University of Uppsala, Uppsala, Sweden "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
146. 12/05/00 Department of Chemistry, University of Stockholm, Stockholm, Sweden "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
147. 12/16/00 Pacifichem 2000 Symposium on Inorganometallic Chemistry of Group 13-16 Elements, Honolulu, HI, "Selective Alkane Functionalization"
148. 12/17/00 Pacifichem 2000 Symposium on "Selective Transformations with Later Transition Metals", Honolulu, HI
149. 12/18/00 Pacifichem 2000 Symposium on "Synthesis of Heterocycles", Honolulu HI, "Palladium-Catalyzed Aromatic and Saturated Carbon-Heteroatom Bond Formation"
150. 01/12/01 Connecticut Organic Symposium, New Haven, CT, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
151. 02/06/01 Department of Chemistry, University of Houston, TX, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
152. 02/07/01 Department of Chemistry, Texas A&M University, College Station, TX, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
153. 03/05/01 Department of Chemistry, University of Bristol, England, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
154. 03/06/01 Department of Chemistry, University of Southampton, England, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
155. 03/07/01 Department of Chemistry, University College of London, England, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
156. 03/08/01 Department of Chemistry, Merck, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"

157. 03/29/01 Department of Chemistry, Northeastern University, Boston, MA, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
158. 04/12/01 Chemistry Departmental Colloquium, Purdue University, West Lafayette, IN, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
159. 04/29/01 Burgenstock Meeting on Stereochemistry "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
160. 05/07/01 Chemistry Department, University of Bern, Switzerland, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
161. 05/08/01 Chemistry Department, University of Freiburg, Switzerland, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
162. 05/09/01 Chemistry Department, University of Genève, Switzerland, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
163. 05/10/01 Chemistry Department, University of Basel, Switzerland, "Transition Metal-Catalyzed Carbon-Heteroatom Bond Formation"
164. 05/11/01 Chemistry Department, University of Basel, Switzerland, "Regioselective Functionalization of Alkanes"
165. 05/17/01 Johnson Matthey Symposium on "Catalysis in Organic Synthesis" "Transition Metal-Catalyzed Carbon-Heteroatom Bond Formation"
166. 05/30/01 Aventis Pharmaceuticals "Discovering and Understanding Transition Metal-Catalyzed Reactions"
167. 06/10/01 National Organic Symposium, Bozeman, MT, "Transition Metal-Catalyzed Carbon-Heteroatom Bond Formation"
168. 07/01/01 Physical Organic Gordon Conference "Mechanistic Aspects of Transition Metal-Catalyzed Carbon-Heteroatom Bond Formation"
169. 07/02/01 Combinatorial Chemistry Gordon Conference "Efficient Discovery and Optimization of Metal-Catalyzed Reactions"
170. 07/27/01 Post-OMCOS Meeting, Kyoto, Japan, "Transition Metal-Catalyzed Carbon-Heteroatom Bond Formation"
171. 08/08/01 Schering Plough, "Transition Metal-Catalyzed Carbon-Heteroatom Bond Formation"
172. 08/27/01 ACS Meeting Symposium on Reactive M-N Bonds "Transition Metal-Catalyzed C-N Bond-Formation"
173. 08/27/01 ACS Meeting Symposium on Homogeneous Catalysis in the Petrochemical Industry "Catalytic, Regioselective Alkane Functionalization"
174. 09/24/01 Harvard University, Cambridge MA, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
175. 10/05/01 University of Nebraska, NE, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
176. 10/11/01 BASF "Recent Trends in Palladium-Catalyzed Processes"
177. 10/17/01 ACS Short Course on "Accelerated Chemical Discovery: From Drugs to Catalysts"

178. 11/05/01 Carl Ziegler Lectureship, Max Planck Institute, Mulheim Germany
179. 11/09/01 Bayer AG, Leverkusen, Germany "Discovering and Understanding Transition Metal-Catalyzed Reactions"
180. 11/19/01 Gerhard Closs Lecturer, University of Chicago, Chicago, IL, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
181. 01/19/02 Pharmacia "Discovering and Understanding New Palladium-Catalyzed Reactions"
182. 01/10/02 Michigan State University, East Lansing, MI, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
183. 01/22/02 McGill University, Montreal, Canada, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
184. 01/24/02 Cornell University, Ithaca, NY, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
185. 01/29/02 Rutgers University, Piscataway, NJ, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
186. 02/07/02 ETH, Zurich, Switzerland, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
187. 02/26/02 University of Colorado, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
188. 03/06/02 Kodak, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
189. 03/07/02 University of New Orleans, New Orleans, LA, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
190. 03/19/02 Wyeth Ayerst, Princeton, NJ, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
191. 04/04/02 University of Massachusetts at Amherst, MA, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
192. 04/07/02 C-H Activation Symposium, ACS Meeting, Orlando, FL, "Regioselective Functionalization of Alkanes"
193. 04/19/02 Albany Molecular, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
194. 04/23/02 University of Wisconsin, Madison, WI, "New Palladium-Catalyzed Coupling Processes"
195. 04/24/02 University of Wisconsin, Madison, WI, "Regioselective Functionalization of Alkanes"
196. 05/02/02 University of Montreal, Canada, Symposium on Organic Synthesis
197. 05/08/02 DuPont Pharmaceuticals, Wilmington, DE, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
198. 05/17/02 University of Toronto, Canada, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
199. 05/22/02 Pharmacia, St. Louis, MO, "Discovering and Understanding Transition Metal-Catalyzed Reactions"

200. 05/31/02 Roche Biosciences, Menlo Park, CA, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
201. 06/01/02 Robert G. Bergman 60th Birthday Symposium, "Regiospecific Functionalization of Alkanes"
202. 06/03/02 Canadian National Chemical Society Meeting, Vancouver, Canada, "Enantioselective Hydroamination"
203. 06/04/02 Canadian National Chemical Society Meeting, Vancouver, Canada, "Regiospecific Functionalization of Alkanes"
204. 06/09/02 Crompton Corp., Middlebury, CT, "Transition Metal-Catalyzed, Regiospecific Functionalization of Alkanes"
205. 09/03/02 International Symposium on Homogeneous Catalysis, Taragonna, Spain
206. 09/12/02 ORCHEM Conference, Frankfurt, Germany, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
207. 09/16/02 Pfizer Symposium, University of California, Irvine, CA, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
208. 09/26/02 ACS Short Course on Accelerated Chemical Discovery "Combinatorial Catalyst Discovery"
209. 10/14/02 Chiral USA, Boston, MA, "Asymmetric Hydroamination and Related Chemistry"
210. 11/06/02 Stanford University, Stanford, CA, "Catalysis without Functional Groups"
211. 11/21/02 Princeton University, Princeton, NJ, "Discovery and Understanding of New Transition Metal-Catalyzed Reactions"
212. 12/11/02 Dow Chemicals, Midland, MI, "Transition Metal-Catalyzed Saturated Carbon-Heteroatom Bond Formation"
213. 01/26/03 WCMBC, Steamboat Springs, CO, "Catalytic, Regiospecific Functionalization of Alkanes and Arenes"
214. 02/06/03 University of Pittsburgh, PA, "Enantioselective Metal-Catalyzed Carbon-Nitrogen Bond Formation"
215. 02/16/03 Gordon Conference, Ventura, CA, "Inorganic Chemistry of Organic Methods"
216. 03/13/03 University of Oklahoma, Norman, OK, Karcher Lecturer, "Catalytic, Regiospecific Functionalization of Alkanes and Arenes"
217. 03/14/03 Array Biopharma, Boulder, CO, "Discovery, development and Understanding of New Palladium-catalyzed Coupling Reactions"
218. 03/17/03 Johnson & Johnson Pharmaceutical Research Institute, La Jolla, CA, "Discovery, Development and Understanding of New Palladium-Catalyzed Coupling Reactions"
219. 03/23/03 ACS Organic Symposium, New Orleans, LA, "Discovery and Understanding of New Transition Metal-Catalyzed Reactions"
220. 04/10/03 Swarthmore College, Swarthmore, PA, "Catalytic, Regiospecific Functionalization of Alkanes and Arenes"
221. 05/09/03 Brown University, Providence, RI, "Enantioselective Metal-Catalyzed Carbon-Nitrogen Bond Formation"

222. 06/25/03 BoehringerIngelheimPharma KG, Biberach, Germany, "Discovery, Development and Understanding of New Transition Metal-Catalyzed Reactions"
223. 06/26/03 Heidelberg Forum of Molecular Catalysis, Heidelberg, Germany, "Discovery, Development and Understanding of New Transition Metal-Catalyzed Reactions"
224. 07/06/03 Organometallic Chemistry in Organic Synthesis, Toronto, Canada, "Discovering and Understanding Transition Metal-Catalyzed Reactions"
225. 07/22/03 ISHHC 11, Evanston. IL, "Catalytic Regiospecific Functionalization of Alkanes and Arenes"
226. 08/19/03 Merck Research Laboratories, West Point, PA, "Discovery and Understanding of New Palladium-Catalyzed Coupling Reactions"
227. 08/20/03 DSM Pharmaceuticals, Greenville, NC, "Discovery and Understanding of New Transition Metal-Catalyzed Arylation and Allylation Reactions"
228. 08/28/03 Case Western Reserve University, Cleveland, OH, "Metal-Catalyzed Regioselective Functionalization of Alkanes and Arenes"
229. 10/16/03 ACS Short Course, Boston, MA, "Catalyst Discovery"
230. 10/31/03 Simon's Rock College, Great Barrington, MA, "Metal-Catalyzed Regioselective Functionalization of Alkanes and Arenes"
231. 11/07/03 SUNY at Buffalo, "Catalytic Regioselective Functionalization of Alkanes and Arenes"
232. 11/17/03 ACS 2003 Baekeland Award Symposium, *recipient*, Morristown, NJ, "Discovery and Understanding of New Transition Metal-Catalyzed Nucleophilic Substitution"
233. 12/15/03 AstraZeneca, Alderley Park, UK, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
234. 12/16/03 Sheffield Stereochemistry 2003, Sheffield, UK, "Discovery and Understanding of New Transition Metal-Catalyzed Reactions"
235. 01/13/04 Schering-Plough, Union, NJ, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
236. 02/12/04 Sasol Lecturer University of Ottawa, Canada, "New Transition Metal-Catalyzed Substitution Reactions"
237. 02/13/04 Sasol Lecturer University of Ottawa, Canada, "Catalytic Regiospecific Functionalization of Alkanes and Arenes"
238. 02/23/04 Indiana University, Bloomington, IN, "New Transition Metal-Catalyzed Substitution Reactions"
239. 03/01/04 ACS ProSpectives, Tampa, FL, "New Transition Metal-Catalyzed Substitution Reactions"
240. 03/08/04 Colorado State University, Fort Collins, CO, "New Transition Metal-Catalyzed Substitution Reactions"
241. 03/19/04 Novartis Horsham Research Centre, W. Sussex, England, "New Transition Metal-Catalyzed Substitution Reactions"
242. 03/28/04 ACS National Meeting, Anaheim, CA, "Mechanisms of Enantioselective Carbon-Heteroatom Bond Forming Reactions"

243. 04/06/04 BoehringerIngelheim Pharmaceuticals, Inc., Ridgefield, CT, "New Transition Metal-Catalyzed Substitution Reactions"
244. 04/30/04 Yale Science Forum, Yale University, New Haven, CT, "Molecular Design of Catalysts"
245. 05/03/04 California Institute of Technology, Pasadena, CA, "Discovery and Development of New Transition Metal-Catalyzed Reactions"
246. 05/12/04 Eastman Chemical Co., Kingsport, TN, "New Metal-Catalyzed Nucleophilic Substitution Reactions"
247. 05/22/04 Catalysis Symposium, Boston College, Chestnut Hill, MA, "Transition Metal-Catalyzed Synthesis of Amines and Ethers"
248. 05/25/04 OBES Catalysis Contractors Conference, Rockville, MD, "Chemistry of Complexes with Transition Metal-Heteroatom Bonds: Novel Insertion Chemistry and Macromolecule Synthesis"
249. 06/04/04 Vicuron Pharmaceuticals, Inc., Fremont, CA, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
250. 06/08/04 Novartis, Vienna, Austria, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
251. 06/09/04 Novartis, Basel, Switzerland, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
252. 06/22/04 Astra-Zeneca, Montréal, Canada, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
253. 07/12/04 Organometallic Gordon Conference, Newport, RI, "Organometallic Chemistry of Carbon-Heteroatom Bond Formation"
254. 07/30/04 Proctor and Gamble Symposium on Organic Synthesis, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
255. 08/03/04 Thieme-IUPAC Award Lecture, Nagoya, Japan, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
256. 09/16/04 University of Pittsburgh, Pittsburgh, PA, "A Synergy of Synthetic Organic and Organometallic Chemistry"
257. 10/27/04 University of Glasgow, Scotland, "A Synergy of Synthetic Organic and Organometallic Chemistry"
258. 10/29/04 Forum on Asymmetric Synthetic Technology, Edinburgh, Scotland, "A Synergy of Synthetic Organic and Organometallic Chemistry"
259. 11/10/04 MethylGene Lecture, University of Montreal, Canada, "Development of Transition Metal-Catalyzed Substitution Reactions by a Synergy of Organic Organometallic Synthesis"
260. 01/19/05 Student-Invited Lecture, Lehigh University, Bethlehem, PA, "A Synergy of Synthetic Organic and Organometallic Chemistry"
261. 02/11/05 Frank Burnett Dains Memorial Lecture, University of Kansas, Lawrence, KS, "A Synergy of Synthetic Organic and Organometallic Chemistry"
262. 02/23/05 Emory University, Atlanta, GA, "A Synergy of Synthetic Organic and Organometallic Chemistry"

263. 02/24/05 Georgia Tech University, Atlanta, GA, "A Synergy of Synthetic Organic and Organometallic Chemistry"
264. 03/09/05 University of Illinois, Urbana, IL, "A Synergy of Synthetic Organic and Organometallic Chemistry"
265. 04/04/05 University of Victoria, BC, Canada, "A Synergy Between Synthetic Organic and Organometallic Chemistry"
266. 04/05/05 University of Washington, WA, "Activation and Functionalization of C-H and N-H Bonds"
267. 04/14/05 Penn State University, University Park, PA, "Synergy Between Organometallic Synthesis and Organic Methods"
268. 04/25/05 Brandeis University, Waltham, MA, "Synergy Between Organometallic and Organic Synthesis"
269. 05/04/05 Bayer Research Center, West Haven, CT, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
270. 05/19/05 Johnson & Johnson R&D, Springhouse, PA, "Development and Understanding of Transition Metal Coupling Reactions"
271. 05/23/05 MARM Symposium, Rutgers University, NJ, "A Synergy between Synthetic and Organometallic Chemistry"
272. 06/02/05 ICSN Symposium, Gif, France, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
273. 07/13/05 MSM & Chiral USA, Princeton, NJ, "Principles in the Development of New Catalytic Synthetic Methods"
274. 07/18/05 Pfizer, St. Louis, MO, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
275. 09/09/05 Iowa State University, Ames, IA, "Development and Understanding of Transition Metal Catalyzed Reactions"
276. 09/22/05 FAST 2005, Cambridge, UK, "Simple Iridium Catalysts for Allylation Reactions"
277. 10/05/05 University of Loughborough, UK, "Discovery and Understanding of New Transition Metal-Catalyzed Processes"
278. 10/06/05 AstraZeneca R&D, Loughborough, UK, "Developments and Mechanism of Transition Metal-Catalyzed Substitution Reactions"
279. 10/31/05 Smith College, Northampton, MA, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
280. 11/10/05 University of Alberta, Edmonton, Canada, "Regioselective, Functionalization of Aryl and Alkyl C-H Bonds"
281. 11/11/05 BSOC Symposium, Banff, Canada, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
282. 11/18/05 DuPont Crop Protection, Wilmington, DE, "Transition Metal-Catalyzed Substitution Reactions"
283. 01/13/06 Queen's University, Ontario, Canada, "A Synergy between Synthetic Organic and Organometallic Chemistry"

284. 01/24/06 FMC Corporation, Princeton, NJ, "A Synergy between Synthetic Organic and Organometallic Chemistry"
285. 02/10/06 AstraZeneca R&D, Waltham, MA, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
286. 02/20/06 University of Chicago, "A Synergy between Synthetic Organic and Organometallic Chemistry"
287. 02/21/06 University of Michigan, Chicago, IL, "A Synergy between Synthetic Organic and Organometallic Chemistry"
288. 03/06/06 Exelexis, S. San Francisco, CA, "A Synergy between Synthetic Organic and Organometallic Chemistry"
289. 03/07/06 Symyx, Santa Clara, CA, "A Synergy between Synthetic Organic and Organometallic Chemistry"
290. 03/10/06 University of California, Berkeley, CA, "The Organometallic Chemistry of Metal-Heteroatom Bonds"
291. 03/28/06 ACS Award in Organometallic Chemistry Lecture, Atlanta, GA, "Organometallic Chemistry of Synthetic Methods"
292. 04/03/06 Harvard University, Cambridge, MA, "Organometallic Chemistry of Carbon-Heteroatom Bonds"
293. 05/01/06 Lilly Research Laboratories, Indianapolis, IN, "Discovery and Understanding of Transition Metal-Catalyzed Substitution Reactions"
294. 05/10/06 Merck, Rahway, NJ, "Discovery and Understanding of New Transition Metal-Catalyzed Substitution Reactions"
295. 05/11/06 Ohio State University, Columbus, OH, "Organometallic Chemistry of Metal-Heteroatom Bonds"
296. 06/19/06 Gordon Research Conference on Stereochemistry, Smithfield, RI, "Enantioselective Substitution Reactions"
297. 06/30/06 Reaction Mechanisms Conference, Baltimore, MD, "Organometallic Chemistry of Synthetic Methods"
298. 07/16/06 Gordon Research Conference on Reaction Processes, Smithfield, RI, "Transition Metal-Catalyzed Substitution Reactions"
299. 07/24/06 ICOMC, Zaragoza, Spain, Plenary Lecture, "The Organometallic Chemistry of Carbon-Heteroatom Bonds"
300. 09/26/06 Abbott Laboratories, North Chicago, IL, "Transition Metal-Catalyzed Substitution Reactions"
301. 12/06/06 UC Riverside, Riverside, CA, "The Organometallic Chemistry of Carbon-Heteroatom Bonds"
302. 12/07/06 Amgen, Thousand Oaks, CA, "Transition Metal-Catalyzed Substitution Reactions"
303. 01/26/07 Connecticut Organic Symposium, New Haven, CT, "Discovery and Understanding of Transition Metal-Catalyzed Reactions"

304. 03/12/07 Phi Lambda Upsilon 47th Friend E. Clark Lecture, West Virginia University, Morgantown, WV, "Catalyst Design in Chemistry and Beyond"
305. 03/13/07 Phi Lambda Upsilon 47th Friend E. Clark Lecture, West Virginia University, Morgantown, WV, "Organometallic Chemistry of Metal-Heteroatom Bonds"
306. 04/08/07 Southern Illinois University, Carbondale, IL, "Organometallic Chemistry of Metal-Heteroatom Bonds"
307. 04/19/07 FAST 2007, Cambridge, UK, "Enantioselective Palladium- and Iridium-Catalyzed Substitution Reactions"
308. 05/07/07 University of Pennsylvania, Philadelphia, PA, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
309. 05/14/07 First Idecate Conference on Catalysis, Porquerolles, France, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
310. 05/16/07 Rennes University, France, "Catalytic, Selective Functionalization of C-H Bonds"
311. 05/21/07 Plenary Lecture, GECOM-CONCOORD Symposium, Plancoët, France, "Organometallic Chemistry of Metal-Heteroatom Bonds"
312. 06/28/07 Tetrahedron Young Investigator in Organic Synthesis Award Lecture, Berlin, Germany, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
313. 08/14/07 Plenary Lecture, ICHAC, University of California, Riverside, CA, "Organometallic Chemistry of Metal-Heteroatom Bonds"
314. 08/20/07 Fall 2007 ACS Meeting, Symposium Lecture, Boston, MA, "Development and Understanding of Metal-Catalyzed Substitution Reactions"
315. 09/18/07 Organic Division, French Chemical Society Meeting, Palaiseau, France, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
316. 09/27/07 Pittcon Lecture, University of Pittsburgh, PA, "Catalyst Design in Chemistry and Beyond"
317. 09/28/07 Pittcon Lecture, University of Pittsburgh, PA, "Organometallic Chemistry of Metal-Heteroatom Bonds"
318. 10/12/07 Roche Biosciences, Palo Alto, CA, "Catalytic, Selective Functionalization of C-H Bonds"
319. 10/12/07 22nd Annual W.S. Johnson Symposium in Organic Chemistry, Stanford University, CA, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
320. 10/26/07 Organic Chemistry Seminar, Hoffmann-LaRoche, Nutley, NJ, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
321. 10/26/07 Organic Chemistry Seminar, Princeton University, NJ, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
322. 11/09/07 Organic Chemistry Seminar, University of Texas at Austin, TX, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
323. 11/15/07 Plenary Lecture, International Conference on Synergistic Effects for Creation of Functional Molecules, Tokyo, Japan, "Organometallic Chemistry of Carbon-Heteroatom Bonds"

324. 11/16/07 Organic Synthesis Lecture, Symposium in Optically Active Compounds, Tokyo, Japan, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
325. 01/17/08 Small Molecule Drug Discovery, Antigua, West Indies, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
326. 02/12/08 Cambridge Majors Laboratories, Germantown, WI, "Transition Metal-Catalyzed Substitution Reactions"
327. 02/18/08 Frontiers in Chemical Research, Texas A&M University, College Station, TX, "Selective C-H Bond Functionalization"
328. 02/19/08 Frontiers in Chemical Research, Texas A&M University, College Station, TX, "Iridium-Catalyzed Enantioselective Allylation"
329. 02/20/08 Frontiers in Chemical Research, Texas A&M University, College Station, TX, "Palladium-Catalyzed Processes"
330. 03/17/08 Frontiers in Chemistry Departmental Seminar, Wayne State University, Detroit, MI, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
331. 04/02/08 Rylander Award, Richmond, VA, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
332. 04/14/08 Gassman Lecture, University of Minnesota, Minneapolis, MN, "New Catalytic Coupling Processes"
333. 04/15/08 Gassman Lecture, University of Minnesota, Minneapolis, MN, "Catalytic Hydroamination of Alkenes"
334. 04/16/08 Gassman Lecture, University of Minnesota, Minneapolis, MN, "Regioselective Functionalization of Alkanes"
335. 04/18/08 Comps Lecture, Carleton College, Northfield, MN, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
336. 05/10/08 Student-Invited Lecture, Columbia University, NY, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
337. 05/02/08 Merck Pharmaceuticals, West Point, PA "New Palladium-Catalyzed Coupling Processes"
338. 06/10/08 Plenary Lecture, French-American Chemical Society Meeting, Santa Barbara, CA, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
339. 06/30/08 Plenary Lecture, BalticumOrganicumSynthetum Conference, Vilnius, Lithuania, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
340. 07/15/08 Belgian Organic Synthesis Symposium, Gent, Belgium, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
341. 07/18/08 International Catalysis Award Lecture, Seoul, Korea, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
342. 09/08/08 Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai, China, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
343. 09/10/08 Mukiyama Award Lecture, 25th Seminar on Synthetic Organic Chemistry, Kyushu, Japan, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"

344. 09/11/08 Ajinomoto AminoScience Laboratories, Kawasaki, Japan, "New Developments in Palladium-Catalyzed Cross-Coupling Reactions"
345. 09/19/08 30th Annual Princeton ACS Fall Organic Chemistry Symposium, NJ, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
346. 11/12/08 Grinnell College, IA, "Catalysts: Importance and Design"
347. 11/18/08 Graduate Colloquium, Northern Illinois University, DeKalb, IL, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
348. 01/08/09 Peking University, China, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
349. 02/03/09 Peter C. Reilly Lecture, Notre Dame University, IN, "The Status of Catalyst Design. Case Studies on C-N Bond Formation"
350. 02/04/09 Peter C. Reilly Lecture, Notre Dame University, IN, "Practical, Catalytic, Regioselective C-H Bond Functionalization"
351. 02/05/09 Peter C. Reilly Lecture, Notre Dame University, IN, "Progress on Olefin Hydroamination"
352. 02/18/09 UC Irvine-Novartis Lecture, CA, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
353. 02/26/09 47th Annual Mack Award Lecture, Ohio State University, "Catalyst Design"
354. 02/27/09 47th Annual Mack Award Lecture, Ohio State University, "Catalytic Regioselective Functionalization of Alkanes and Arenes"
355. 03/11/09 Mitsui Chemicals Catalysis Science Award Lecture, Tokyo, Japan, "Discovery and Development of New Coupling and C-H Bond Functionalization Reactions"
356. 03/17/09 Amgen, Inc., Cambridge, MA, "Recent Developments in the Coupling and C-H Bond Functionalization of Arenes"
357. 03/18/09 Student-Invited Speaker, MIT Inorganic Seminar Series, Cambridge, MA, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
358. 04/17/09 California Institute of Technology, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
359. 04/20/09 Schulich Visiting Professor Lectureship, Organic Chemistry Seminar, Technion-Israel Institute of Technology, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
360. 04/22/09 Dean's Podium Talk, Ben Gurion University of the Negev, Israel, "The Status of Catalyst Design: A Case Study of C-N Cross Coupling"
361. 04/23/09 Schulich Visiting Professor Lectureship, Schulich Colloquium, Technion-Israel Institute of Technology, "The Status of Catalyst Design: A Case Study of C-N Cross Coupling"
362. 05/06/09 2009-2010 RSC Joseph Chatt Lectureship, University of York, UK, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
363. 05/07/09 2009-2010 RSC Joseph Chatt Lectureship, University of Manchester, UK, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"

364. 05/09/09 Plenary Lecture, 19th Lakeland Heterocyclic Symposium, UK, "Catalytic Organometallic Carbon Heteroatom Bond Formation: C-H Bond Functionalization and Allylic Substitution Relevant to Heterocyclic Chemistry"
365. 05/11/09 Sygenta, Jealott's Hill, UK, "Recent Developments in the Coupling and C-H Bond Functionalization of Arenes"
366. 06/02/09 Plenary Lecture, 92nd Canadian Chemistry Conference, Hamilton, Ontario, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
367. 06/18/09 10th International Isotope Society Meeting, Chicago, "Isotopes as Part of Catalytic Selective C-H Bond Functionalization"
368. 06/24/09 18th EuCheMS Conference on Organometallic Chemistry, Göteborg, Sweden, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
369. 07/13/09 Organometallic Chemistry Gordon Research Conference, Newport, RI, "Organometallic Chemistry of Synthetic Methods"
370. 07/27/09 Natural Products Gordon Research Conference, Tilton, NH, "Discovery and Understanding of Transition Metal-Catalyzed Reactions for Organic Synthesis"
371. 08/04/09 22nd International Congress on Heterocyclic Chemistry, St. John's, Canada, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
372. 10/27/09 2009 Welch Conference on Chemical Research, Houston, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
373. 11/17/09 Visiting Miller Professor Lecture, University of California, Berkeley, "Organometallic Chemistry of Synthetic Methods"
374. 02/05/10 Beling Lecture Series, Illinois Wesleyan University, "Catalysts by Design"
375. 02/11/10 University of California, Los Angeles, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
376. 02/12/10 Roche Lectureship, Scripps Research Institute, FL, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
377. 03/03/10 11th Netherlands Catalysis and Chemistry Conference, Noordwijkerhout "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
378. 03/04/10 16th PAC-Symposium, Amsterdam, "Making Sense of Homogeneous Catalysis—Understanding the Formation of Carbon-Heteroatom Bonds with Organometallic Catalysis"
379. 03/23/10 Spring 2010 ACS Meeting, Symposium Lecture, San Francisco, CA, "Organometallic Chemistry of Synthetic Methods"
380. 03/25/10 Lectures in Modern Chemistry, University of British Columbia, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
381. 04/16/10 Symposium on Organotransition Metal Chemistry, University of Illinois, Urbana, IL, "A Perspective on Twenty Years of Organometallics and Contributions to the Past Ten"
382. 05/05/10 Howard Lecture, University of Sydney, "Catalytic Regioselective Functionalization of Alkanes and Arenes"
383. 05/06/10 Howard Lecture, University of New South Wales, "Development and Understanding of Cross-Coupling Reactions"

384. 06/02/10 DoE BES Contractors' Meeting, Annapolis, "Chemistry of Complexes with Transition Metal-Heteroatom Bonds: Novel Insertion Chemistry and X-H Bond Activation"
385. 06/18/10 Sepracor, Marlborough, MA, "Discovery and Development of Transition Metal-Catalyzed Reactions"
386. 06/21/10 Heterocyclic Compounds Gordon Research Conference, Newport, RI, "Catalytic Processes for the Derivatization of Heterocycles"
387. 06/24/10 BMS, Wallingford, CT "Discovery and Understanding of Transition Metal-Catalyzed Reactions"
388. 07/14/10 1st International Conference on Molecular & Functional Catalysis, Singapore, "Recent Developments in the Transition Metal Catalyzed Borylation of C-H and C-X Bonds"
389. 07/15/10 Nanyang Technological University, Singapore, "Iridium-Catalyzed Enantioselective Allylic Substitution"
390. 08/22/10 Fall 2010 ACS Meeting, Symposium in Memory of Keith Fagnou, Boston, MA, "Mechanistic Aspects of Cross-Coupling Reactions that form C-C Bonds"
391. 08/22/10 Fall 2010 ACS Meeting, JOC 75th Anniversary Session, Boston, MA, "Catalytic Organometallic Carbon-Heteroatom Bond Formation"
392. 08/23/10 Fall 2010 ACS Meeting, Commemoration of the Founding of the ACS Journal Organometallics, Boston, MA, "Organometallic Chemistry of Synthetic Methods"
393. 08/23/10 Fall 2010 ACS Meeting, Inorganic Chemistry Symposium, Boston, MA, "Catalytic, Selective C-H Bond Functionalizations with Main Group Reagents"
394. 09/24/10 GSK Chemistry Symposium, Durham, NC, "Discovery and Understanding of Transition Metal-Catalyzed Reactions"
395. 09/30/10 Philadelphia Organic Chemists' Club, "Understanding Transition Metal-Catalyzed Reactions"
396. 10/26/10 PKU-Lilly Symposium, Beijing, China, "Discovery and Understanding of New Transition Metal-Catalyzed Reactions"
397. 11/04/10 Loyola University, Chicago, IL, "Catalyst by Design"
398. 12/08/10 Inaugural KAUST Symposium on Catalysis, Saudi Arabia, "Discovery and Understanding of Transition Metal-Catalyzed Reactions"
399. 01/25/11 10th Winter Conference on Medicinal and Biochemistry Chemistry, Steamboat Springs, CO, "Catalytic Chemistry of Arenes"
400. 03/07/11 12th Annual Florida Heterocyclic and Synthetic IUPAC-Sponsored Conference (FLOHET), Gainesville, FL, "Catalytic Transformations of Arenes"
401. 03/08/11 Student-Invited Speaker, Scripps Florida Distinguished Lecture Series, Jupiter, FL, "Catalytic Transformations of Arenes"
402. 03/09/11 Invited Speaker, Emory University, Atlanta, GA "Catalytic Transformations of Arenes"
403. 03/24/11 Student Hosted Colloquium, University of Southern California, Los Angeles, "Selective Catalytic Functionalization of Aryl and Alkyl C-H Bonds"

404. 03/30/11 Spring 2011 ACS Meeting, Division of Organic Chemistry, Anaheim, CA, "Catalytic Modification of Arenes"
405. 04/27/11 AstraZeneca, Alderly Park, UK "Catalytic Modification of Arenes"
406. 04/28/11 11th Bristol Synthesis Meeting, Bristol, UK "Catalytic Modification of Arenes"
407. 06/06/11 Canadian Society for Chemistry Conference, Keith Fagnou Memorial Symposium "Catalytic Modification of arenes"
408. 06/16/11 Cambridge Major Laboratories, Milwaukee, WI "Catalytic Modification of Arenes"
409. 06/28/11 CHAOS23, Czech Republic "Catalytic Modification of Arenes"
410. 07/01/11 Technical University of Berlin, Einstein Fellowship Lecture "The State of Catalyst Design"
411. 07/21/11 ICIQ Summer School, Tarragona, Spain "The State of Catalyst Design"
412. 07/22/11 ICIQ Summer School, Tarragona, Spain "Selective Functionalization of Aliphatic and Aromatic C-H Bonds"
413. 07/25/11 Spanish National Meeting, Madrid, Spain "Selective Functionalization of Aliphatic and Aromatic C-H Bonds"
414. 08/27/11 NSF Workshop on Catalysis "The State of Catalyst Design"
415. 08/28/11 ACS National Meetings, Denver, CO, Symposium on Catalysis Needs for Drug Discovery, Development, and Commercialization "Perspectives from summarizing twenty-two years of organometallic catalysis"
416. 08/29/11 ACS National Meetings, Denver, CO, Symposium on Frontiers in C-H Activation and Functionalization "Selective Functionalization of Aliphatic and Aromatic C-H Bonds"
417. 08/30/11 ACS National Meetings, Denver, CO, Symposium on Recycling Carbon: Catalyzed Conversion of Non-food Biomass to Fuels and Chemicals "Catalytic reductions of aromatic C-O bonds"
418. 09/12/11 University of Washington, Seattle, WA, Hydrocarbon Amination for Fine Chemical Synthesis, Overview of CENTC Research in the Area
419. 09/15/11 International Conference on the Interface of Homogeneous and Heterogeneous Catalysis, Berlin, Germany, Plenary Lecture "Catalytic Transformations of Arenes"
420. 10/05/11 Department of Energy, Washington D.C., Catalysis Lab Coordination Meeting
421. 10/12/11 Merck & Co., Inc., Rahway, NJ, "Catalytic Modification of Arenes"
422. 10/13/11 Merck & Co., Inc., Boston, MA, "Catalytic Modification of Arenes"
423. 11/02/11 Royal Society of Chemistry, London, England, "Catalytic Modification of Arenes"
424. 11/05/11 GlaxoSmithKline, Stevenage, UK, Catalysis Short Course
425. 11/14/11 Energy Biosciences Institute, Berkeley, CA, "Catalytic Carbon-Oxygen Bond Cleavage for Upgrading Biomass"
426. 11/17/11 R. A. Walton Lecture, Purdue University, West Lafayette, IN, "Selective Functionalization of Alkyl Aryl C-H Bonds"
427. 11/28/11 GlaxoSmithKline, Durham, NC, Catalysis Short Course Parts 1 and 2

428. 11/29/11 GlaxoSmithKline, Durham, NC, Catalysis Short Course Parts 3 and 4
429. 12/13/11 Gilead Sciences, Inc., Foster City, CA, "Catalytic Functionalization of Aryl and Alkyl C-H Bonds"
430. 03/06/12 University of California, Davis, CA, "Catalytic Modification of Arenes and Alkanes"
431. 03/26/12 ACS National Meetings, San Diego, CA, ACS Award in Pure Chemistry, "Inorganic Chemistry of Synthesis Methods"
432. 04/09/12 Cambridge Major Laboratories, Foster City, CA, Chemistry Trends in the Pharmaceutical Market Symposium "Catalytic C-H Bond Functionalization and Coupling Reactions"
433. 04/11/12 Moses Gomberg Lecture, University of Michigan, Ann Arbor, MI, "Catalytic Functionalization of Alkanes and Arenes"
434. 04/23/12 Behringer-Simon Lecture, Swiss Federal Institute of Technology (ETH) Zürich, Switzerland, "Catalytic Modification of Arenes"
435. 05/14/12 Durham Lecturer, Durham University, Durham, England, "Catalysts by Design. A Case Study of Arylamine Synthesis"
436. 05/15/12 Durham Lecturer, Durham University, Durham, England, "Selective Functionalization of Aryl and Alkyl C-H Bonds"
437. 05/16/12 Durham Lecturer, Durham University, Durham, England, "Making Sense of Copper-Catalyzed Coupling Reactions"
438. 07/04/12 19th International Conference on Organic Synthesis, Melbourne, Australia, "Selective, Catalytic Functionalization Reactions"
439. 07/10/12 18th International Symposium on Homogeneous Catalysis, Toulouse, France, "Selective, Catalytic Functionalization of Aryl and Alkyl C-H Bonds with Main Group Reagents"
440. 08/20/12 ACS National Meetings, Philadelphia, PA "Mechanistic studies of organometallic reactions to form carbon-heteroatom bonds"
441. 08/21/12 ACS National Meetings, Philadelphia, PA "N-Heterocyclic carbene complexes of nickel for C-O bond cleavage"
442. 10/06/12 1st International Symposium on C-H Activation, Peking University, Beijing, China, "Selective, Catalytic Functionalization of Alkyl and Aryl C-H Bonds"
443. 10/09/12 WuXi AppTec Co. Ltd., Shanghai, China, "Catalytic Functionalization of Alkanes and Arenes"
444. 11/12/12 TOC Physical Organic Chemistry Symposium, Uppsala, Sweden, "Understanding the mechanisms of metal-catalyzed reactions for organic synthesis"
445. 11/15/12 Russell Marker Lecturer, Pennsylvania State University, State College, PA, "Selective, Catalytic Functionalization of Alkyl and Aryl C-H Bonds"
446. 04/20/13 Baker Symposium, Cornell University, Ithaca, NY, "Catalysis and Synthesis at the Frontier"
447. 04/08/13 Herbert C. Brown Award for Creative Research in Synthetic Methods Talk, ACS National Meetings, New Orleans, LA "Catalytic Transformations of Arenes"

448. 04/09/13 ACS National Meetings, New Orleans, LA “Advances in Aromatic and Aliphatic C-H Bond Functionalization to Form Carbon-element and Carbon Heteroatom Bonds”
449. 06/03/13 Chevron Phillips’ Frontier of Technology Speaker, Bartlesville, OK “Regioselective Functionalization of Aryl and Alkyl C-H Bonds”
450. 06/05/13 Gordon Research Conference, New London, NH “High Throughput Experimentation for Catalyst Discovery, Development, and Application”
451. 06/26/13 Technische Universität, Berlin, Germany “Catalysts by Design”
452. 08/01/13 17th IUPAC Conference on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS 17), Fort Collins, CO “Borylation, Silylation, Fluorination, and Fluoroalkylation”
453. 09/08/13 246th ACS Meetings, Indianapolis, IN “Metal-catalyzed and metal-mediated coupling reactions of fluoride and fluoroalkyl groups”
454. 09/09/13 246th ACS Meetings, Indianapolis, IN “Discovery and development of new catalytic transformations”
455. 09/13/13 60th Symposium on Organometallic Chemistry, Gakusyuin University, Toshima-Ku, Tokyo “Selective, catalytic transformations of aryl and alkyl groups for fine chemical applications”
456. 09/14/13 3rd Pharmaron Symposium on Synthetic and Medicinal Chemistry, Beijing, China “Borylation, Silylation, Fluorination, and Fluoroalkylation”
457. 10/01/13 ACS Student Selected Seminar Series, Indiana University, Bloomington, IN “Selective Functionalization of Alkyl and Aryl C-H Bonds”
458. 10/03/13 Aldrich Lecturer, Oklahoma State University, Tulsa, OK “Catalytic, Selective Functionalization of C-H Bond”
459. 10/24/13 Student Hosted Colloquium, Stanford University, Stanford, CA “Selective, Catalytic Functionalization of Alkyl and Aryl Groups”
460. 10/28/13 Annual Gilead Alberta Invited Lecturer, University of Alberta, Edmonton, Alberta, Canada “Practical, Selective, Catalytic Functionalization of C-H Bonds”
461. 11/13/13 15th Brazilian Meeting on Organic Synthesis (BMOS), Campos do Jordão, Brazil “Borylation, Silylation, Fluorination and Fluoroalkylation”
462. 12/13/13 Pettit Lectureship, University of Texas, Austin, TX “Catalytic Regioselective Functionalization of Aryl and Alkyl C-H Bonds”
463. 03/16/14 ACS National Meetings, Dallas, TX “Main Group Compounds as Reagents for Catalytic C-H Bond Functionalization”
464. 03/16/14 ACS National Meetings, Dallas, TX “Catalysis Additions of O-H, N-H and C-H Bonds to Alkenes”
465. 03/18/14 ACS National Meeting, Dallas, TX “C-H Bond Functionalization by the Introduction of a Temporary Functional Group”
466. 03/24/14 Max Tishler Prize Lecturer, Harvard University, Cambridge, MA “Catalytic, Regioselective Functionalization of C-H Bonds”
467. 04/19/14 H.C. Brown Award Symposium Recognition, Purdue University, Lafayette, IN “Selective, Catalytic Functionalization of Alkyl and Aryl C-H Bonds”

468. 05/09/14 5th Münster Symposium on Cooperative Effects in Chemistry, Universität Münster, Germany “Selective, Catalytic Functionalization of Aryl and Alkyl C-H Bonds”
469. 05/21/14 The Student-hosted Symposia at Shenzhen Graduate School, Peking University, Beijing, China “Selective Functionalization of Aryl and Alkyl C-H Bonds”
470. 05/29/14 Tsinghua University, Tsinghua, China “Catalytic site - selective functionalization of alkyl and aryl C-H bonds”
471. 05/30/14 Lectureship on Organic Chemistry, Nankai University, Tianjin, China “Catalytic, Regioselective Functionalization of Alkyl and Aryl C-H Bonds”
472. 06/17/14 Green Chemistry Education Seminar, Genentech, South San Francisco, CA “Synthetic Efficiency by C-H Bond Functionalization”
473. 07/14/14 14th Belgium Organic Synthesis Symposium, Louvain-la-Neuve, Belgium 1) “The elementary chemistry of organometallic catalysis. Hydrofunctionalizations of alkenes as a case study”; 2) “Catalyst evolution based on mechanistic aspects of cross coupling to form C-H bonds”; 3) “Evolution of asymmetric allylic substitution from palladium to iridium”; 4) “Metal-catalyzed and metal-mediated incorporation of fluorine into aromatic molecules”
474. 07/17/14 Janssen Pharmaceutica Prize for Creativity in Organic Synthesis Recipient Presentation at the 14th Belgium Organic Synthesis Symposium, Louvain-la-Neuve, Belgium “Discovery and development of practical C-H bond functionalization with main group reagents”
475. 08/05/14 17th International Symposium on Silicon Chemistry, Berlin, Germany “Selective, Catalytic Functionalization of Alkyl and Aryl C-H Bonds with Silicon Reagents”
476. 08/12/14 248th American Chemical Society National Meeting, The 2014 *Organometallics* Symposium, San Francisco, CA “New and evolving reactions catalyzed by transition metal complexes”
477. 09/03/14 Department of Chemistry, Rice University, Houston, TX “Selective Functionalization of Alkyl and Aryl C-H Bonds”
478. 09/25/14 Vertex Pharmaceutical, Oxford, UK “Metal-Mediated and Metal-Catalyzed Methods for Incorporation of Fluorine into Aromatic Molecules”
479. 09/26/14 Plenary Lecture at the Lilly Research Awards for Graduate Students, Alcobendas-Madrid, Spain “Selective Functionalization of Alkyl and Aryl C-H Bonds - Installation of Temporary Functional Groups”
480. 10/09/14 Sierra Nevada Distinguished Chemist Lecture, University of Nevada, Reno, NV “Catalysis: Speeding up Technology”
481. 10/10/14 Sierra Nevada Distinguished Chemist Lecture, University of Nevada, Reno, NV “Attaching Fluorine and Fluoroalkyl Groups to Arenes with Metals”
482. 10/27/14 2014 Nagoya Medal of Organic Chemistry Award, Gold Medal Lecture 1, Nagoya University, Nagoya, Japan “Regioselective Functionalization of Alkyl and Aryl C-H Bonds”
483. 10/29/14 Murai Symposium, Nara, Japan “Selective, Catalytic Functionalization of Alkyl and Aryl C-H Bonds”

484. 11/06/14 H.J. Backer Lecture 2014 at University of Groningen, The Netherlands “Selective Functionalization of Alkyl and Aryl C-H Bonds – Installation of Temporary Functional Groups”
485. 01/06/15 The Musher Lecture at The Hebrew University of Jerusalem, Israel “Catalytic, Regioselective Functionalization of Alkyl and Aryl C-H Bonds”
486. 02/12/15 Department of Chemistry at Princeton University, Princeton, NJ “Selective Functionalization of Alkyl and Aryl C-H Bonds - Installation of Temporary Functional Groups”
487. 03/05/15 Keynote Speaker at the 2015 Gordon Research Conference on Mechanisms in Catalysis, Galveston, TX “Mechanism and Design on Catalytic Processes for Organic Synthesis”
488. 03/22/15 249th American Chemical Society National Meeting, Denver, CO “Selective functionalization of alkyl and aryl C-H bonds – installation of temporary functional groups”
489. 03/23/15 249th American Chemical Society National Meeting, Denver, CO “Metal-mediated and metal-catalyzed coupling for incorporation of fluorine into aromatic molecules”
490. 03/23/15 249th American Chemical Society National Meeting, Denver, CO “Selective, catalytic functionalization of alkyl and aryl C-H bonds with silicon reagents”
491. 04/10/15 5th SABPA/ACS San Diego Chemistry Symposium, San Diego, CA “Metal-Mediated and Metal-Catalyzed Incorporation of Fluorine into Aromatic Molecules”
492. 04/17/15 Department of Chemistry, Northwestern University, Evanston, IL “Selective Functionalization of Alkyl and Aryl C-H Bonds – Installation of Temporary Functional Groups”
493. 04/20/15 Energy Biosciences Institute 2015 Spring Presentations, Berkeley, CA “Catalytic Carbon-Oxygen Bond Cleavage for Upgrading Biomass (including Catalytic Methods for the Valorization of Lignin)”
494. 04/21/15 Center for Sustainable Polymers Annual Meeting, University of Minnesota, MN “Design of Organosiloxane Polymers from Renewable Feedstocks”
495. 04/23/15 Organic Chemistry Seminar, University of Wisconsin, Madison, WI “Selective Functionalization of Alkyl and Aryl C-H Bonds – Installation of Temporary Functional Groups”
496. 05/05/15 Department of Biochemistry, University of Texas Southwestern Medical Center, Dallas, TX “Catalytic Methods for the Introduction of Fluorine and Fluoroalkyl Groups into Aromatic Molecules”
497. 05/14/15 Abbvie Inc., North Chicago, IL “Catalytic Borylation, Silylation, Fluorination, and Fluoroalkylation of Aromatic Molecules”
498. 06/17/15 Keynote Speaker at the 16th Tetrahedron Symposium: Challenges in Bioorganic & Organic Chemistry, Berlin, Germany “Selective Functionalization of Alkyl and Aryl C-H Bonds – Installation of Temporary Functional Groups”
499. 06/24/15 Tokyo Institute of Technology, Tokyo, Japan “Selective, Catalytic C-H Bond Functionalization with Main Group Reagents”

500. 06/25/15 Tokyo Institute of Technology, Tokyo, Japan “Metal-Catalyzed and Metal-Mediated Fluorination and Fluoroalkylation of Aromatic Compounds”
501. 06/26/15 Tokyo Institute of Technology, Tokyo, Japan “Selective, Catalytic C-H Bond Functionalization with Main Group Reagents”
502. 07/10/15 Tokyo Institute of Technology, Tokyo, Japan “Selective, Catalytic C-H Bond Functionalization with Main Group Reagents”
503. 09/24/15 UNC Scynexis Lecture, Chapel Hill, NC “Selective Functionalization of Alkyl and Aryl C-H Bonds - Installation of Temporary Functional Groups”
504. 10/13/15 Department of Chemistry, Boston College, Chestnut Hill, MA “Selective Catalytic Functionalization of Alkyl and Aryl C-H Bonds”
505. 11/11/15 16th Tetrahedron Asian Edition at the Shanghai Institute of Organic Chemistry (SIOC), Shanghai, China “Selective Functionalization of Alkyl and Aryl C-H Bonds – Installation of Temporary Functional Groups”
506. 11/19/15 2015 Lloyd B. Thomas Chemistry Scholar/Lectureship at the University of Missouri, Columbia, MO “Influence and Opportunities for Catalysis”
507. 11/20/15 2015 Lloyd B. Thomas Chemistry Scholar/Lectureship at the University of Missouri, Columbia, MO “Attaching Fluorine to Aromatic Molecules. New Approaches and Challenges”
508. 12/16/15 2015 International Chemical Congress of Pacific Basin Societies, Honolulu, HI “Multistep, multicatalytic processes for organic synthesis”
509. 12/18/15 2015 International Chemical Congress of Pacific Basin Societies, Honolulu, HI “Selective functionalization of C-H bonds with main group reagents”
510. 01/31/16 Visions in Chemistry, The Torkil Holm Symposium, Copenhagen, Denmark “Chemical Diversity by the Functionalization of Aryl and Alkyl C-H Bonds”
511. 02/23/16 2016 Smart Lecture, West Florida, Pensacola, FL “New Modes for Functionalization of Organic Molecules”
512. 02/25/16 Department of Chemistry, Texas A&M, College Station, TX “Selective Catalytic Functionalization Reactions”
513. 03/22/16 Anatolian Conference on Synthetic Organic Chemistry (ACSOC II), Aydın, Turkey “Selective Functionalization of Alkyl and Aryl C-H Bonds – Installation of Temporary Functional Groups”
514. 04/17/16 2016 CT Organic Chemistry Symposium, Yale University, New Heaven, CT “Approaches to Catalytic Functionalizations”
515. 04/23/16 Keynote Lecture at Hong Kong Polytechnic University, Hong Kong, China “Catalytic Functionalization of Aryl and Alkyl C-H Bonds”
516. 05/05/16 MacLean Lecturer at McMaster University, Hamilton, Ontario, Canada “Functionalizing Unreactive Bonds with Small and Large Catalysts – From Chemical Feedstocks to Natural Products”
517. 05/06/16 MacLean Lecturer at McMaster University, Hamilton, Ontario, Canada “Metal-Mediated and Metal-Catalyzed Coupling for Incorporation of Fluorine into Aromatic Molecules”

518. 05/23/16 Department of Chemistry, University of Chicago, Chicago, IL, "Functionalizing Unreactive Bonds with Small and Large Catalysts – From Chemical Feedstocks to Natural Products"
519. 05/31/16 3rd International Symposium on C-H Activation (ISCHA), Montreal, Quebec, Canada "Approaches to Selective Functionalization of C-H Bonds in Small and Complex Molecules"
520. 06/15/16 Plenary Lecturer, 26th Biennial Meeting in Organic Chemistry of the Royal Society of Chemistry, Huelva, Spain "Selective, Catalytic Functionalizations"
521. 06/23/16 Keynote Speaker Session: Perspective on Heterocyclic Chemistry, Gordon Research Conference, Newport, RI "Transition Metal-Catalyzed Reactions for the Synthesis and Modification of Heterocycles"
522. 07/28/16 Stereoselective Organometallic Catalysis, Gordon Research Conference, Newport, RI "Approaches to Asymmetric Functionalization with Artificial Metalloenzymes"
523. 08/23/16 253rd American Chemical Society National Meeting, Philadelphia, PA, "Isosteric Replacement by Catalytic Fluorination, Fluoroalkylation, Borylation, Silylation, and Amination"
524. 10/07/16 Sigma Aldrich Lecturer at University of Toronto, Ontario, Canada, "Selective Functionalization with Small and Large Catalysts"
525. 10/19/16 Camille & Henry Dreyfus Lectureship, Univ. of Basel, Switzerland, "Approaches to Selective Functionalization of Small and Complex Molecules"
526. 12/02/16 Riley Schaefer Endowed Lectureship at University of New Mexico, Albuquerque, NM, "Selective Functionalization with Small and Large Catalysts"
527. 03/21/17 Department of Chemistry, Colorado State University, Fort Collins, CO, "Selective Functionalizations with Small and Large Catalysts"
528. 03/29/17 McNelis Lecturer at New York University, New York, NY, "Sprinting for 24.75 Years"
529. 03/30/17 Department of Chemistry, New York University, New York, NY, "Functionalizations with Small and Large Catalysts"
530. 03/31/17 McNelis Distinguished Lecturer at New York University, New York, NY, "Catalysis – Changing What People Make"
531. 04/21/17 Department of Chemistry and Biochemistry, University of Bern, Bern, Switzerland "Selective Functionalization with Small and Large Catalysts"
532. 04/24/17 Organic and Inorganic Chemistry Seminar, Israel Institute of Technology, Haifa, Israel, "Functionalizations with Small and Large Catalysts"
533. 05/16/17 2017 International Symposium on Green Chemistry (ISGC), La Rochelle, France, "Selective Functionalization with Small and Large Catalysts"
534. 05/17/17 Robert Robinson Lecturer, Oxford University, Oxford, England, "Site Selective C-H Bond Functionalization Reactions"
535. 05/18/17 Robert Robinson Lecturer, Oxford University, Oxford, England, "Merging Organometallic and Enzymatic Catalysis"
536. 06/06/17 Bristol-Myers Squibb 2017 Symposium, University of Michigan, Ann Arbor, MI, "Catalysis Functionalizations with Small and Large Catalysts"

537. 07/11/17 Plenary Lecturer, 22nd Conference on Organometallic Chemistry, Amsterdam, Netherlands, "Selective Functionalization with Small and Large Catalysts"
538. 07/24/17 Gordon Research Conference, Stonehill College, Easton, MA, "Site-Selective Functionalization with Small and Large Catalysts"
539. 08/21/17 The 254rd American Chemical Society National Meeting, Washington, DC, "Site-Selective Oxidation, Amination, and Epimerization Reactions of Complex Polyols enabled by Transfer Hydrogenation"
540. 08/22/17 The 254rd American Chemical Society National Meeting, Washington, DC, "New Elementary Reactions, Catalytic Reactions, and Combinations of Catalytic Reactions"
541. 08/22/17 The 254rd American Chemical Society National Meeting, Washington, DC, "Revealing the Mechanisms of Copper-Catalyzed Synthetic Methods"
542. 10/05/17 2017 C.S. Hamilton Lecturer, Univ. of Nebraska, Lincoln, NE "Chemical Catalysis – Changing What People Make"
543. 10/06/17 2017 C.S. Hamilton Lecturer, Univ. of Nebraska, Lincoln, NE "Selective, Catalytic Functionalization by Small and Large Catalysts"
544. 10/24/17 Fishel Lecturer, Vanderbilt University, Nashville, TN "Site-Selective Functionalization with Small and Large Catalysts"
545. 01/22/18 Gordon Research Conference on Metal in Biology, Ventura, CA "Platinum-Group Organometallic Enzymes from Heme Proteins for Abiological Transformations"
546. 02/26/18 Graduate Student Seminar, North Carolina State University, Raleigh, NC "Selective Functionalization with Small and Large Catalysts"
547. 02/27/18 Sigma Aldrich Lecturer, Duke University, Durham, NC "Selective Functionalization with Small and Large Catalysts"
548. 03/14/18 Graduate Student-Invited Seminar at Georgetown University, Washington, DC "Selective Catalytic Functionalizations with Small and Large Catalysts"
549. 03/15/18 Edgar Fahs Smith Lecture, University of Pennsylvania, Philadelphia, PA "Selective Functionalization with Small and Large Catalysts"
550. 03/28/18 Bailar Lecturer, the University of Illinois at Urbana-Champaign, IL "Selective, Catalytic Functionalization of C-H Bonds"
551. 03/29/18 Bailar Lecturer, the University of Illinois at Urbana-Champaign, IL "Artificial Metalloenzymes with Noble Metals Created from Heme Proteins"
552. 04/12/18 The 46th John Stauffer Distinguished Lecturer, University of Southern California, Los Angeles, CA "Catalysis – Dictating What We Make and How We Make it"
553. 04/13/18 A Symposium in Honor of Prof. John F. Hartwig, University of Southern California, Los Angeles, CA "Selective Functionalization of Organic Molecules with Small and Large Catalysts"
554. 05/14/18 The 8th Annual Lester Andrews Graduate Research Symposium, Mississippi State University, Mississippi, MS "Selective, Catalytic Functionalization of C-H Bonds"
555. 07/18/18 Plenary Lecturer at the 28th International Conference on Organometallic Chemistry, Florence, Italy "Selective Functionalization with Small and Large Catalysts"

556. 08/20/18 The 256th American Chemical Society National Meeting, Boston, MA “New Catalytic Reactions for Agroscience”
557. 08/20/18 The 256th American Chemical Society National Meeting, Boston, MA “Mechanistic Analysis of Homogenous, Catalytic C-H Bond Functionalization Processes”
558. 10/24/18 2018 Charles Reed Lecture, Department of Chemistry & Chemical Biology at Rensselaer Polytechnic Institute, Troy, NY “Catalytic Functionalization with Small and Large Catalysts in a Flask and in a Cell”
559. 10/26/18 Dreyfus Foundation Teacher-Scholar Symposium – Research Frontiers in the Chemical Sciences, New York, NY “Accelerating Chemical Synthesis with Catalysis”
560. 11/09/18 Chemistry Colloquium Seminar University of Washington, Seattle, WA “Selective Functionalizations of C-H bonds with Small and Large Catalysts in Flasks and Cells”
561. 02/08/19 Distinguished Speaker at the 30th Annual Frontiers in Chemistry Symposium, at the Scripps Research Institute, La Jolla, CA “Selective Catalytic Functionalization of C-H Bonds from a Flask to a Cell”
562. 02/19/19 Inorganic Seminar at University of Utah, Salt Lake City, UT “Selective Catalytic Functionalization of C-H Bonds with Small and Large Catalysts”
563. 02/21/19 Department of Chemistry, University of Massachusetts, Amherst, MA “Selective Catalytic Functionalization of C-H Bonds with Small and Large Catalysts”
564. 03/22/19 Royal Society of Chemistry Award Lecture Series at University of Sheffield, Sheffield, England “Selective Catalytic Reactions for Synthetic Chemistry”
565. 03/25/19 Royal Society of Chemistry Award Lecture Series at Loughborough University, Loughborough, England “Selective Catalytic Reactions for Synthetic Chemistry”
566. 03/27/19 Royal Society of Chemistry Award Lecture Series at Queen’s University, Belfast, England “Selective Catalytic Reactions for Synthetic Chemistry”
567. 04/01/19 The 257th American Chemical Society National Meeting, Orlando, FL “Selective functionalization of C-H bonds Functionalizations of C-H bonds in a flask and a cell”
568. 04/02/19 The 257th American Chemical Society National Meeting, Orlando, FL “Functionalizations of C-H bonds in a flask and a cell”
569. 05/10/19 The 11th Eisch Distinguished Lecturer, Binghamton University, Binghamton, NY “Selective, Catalytic Functionalization of C-H Bonds with Small and Large Catalysts”
570. 05/16/19 Student Seminar at University of Minnesota, Minneapolis, MN “Selective, Catalytic Functionalization of C-H Bonds in Small and Large Molecules”
571. 08/26/19 The 258th American Chemical Society National Meetings, San Diego, CA “Catalytic substitution and C-H bond functionalization reactions”
572. 10/15/19 Korean Chemical Society Meeting, Changwon, So. Korea “Selective, Catalytic Functionalization of C-H Bonds”
573. 01/13/20 2020 Broadbent Lecture, Brigham Young University, Provo, UT “Changing Chemical Synthesis with Catalysis”
574. 01/14/20 2020 Broadbent Lecture, Brigham Young University, Provo, UT “Selective, Catalytic Functionalization of C-H Bonds”

575. 02/19/20 Plenary Talk at the Applied Late-Stage Functionalization: Where Chemistry Meets Biology Symposium, Manchester, UK "Catalytic Regioselective Functionalization of C-H Bonds"
576. 02/20/20 Merck Lectureship at University of Cambridge, Cambridge, UK "Selective Catalytic Functionalization of C-H Bonds"
- 577.

Ph.D. Theses:

1. Driver, Michael S. 1997. "Late Transition Metal Amido and Pyrrolyl Complexes: Reductive Eliminations, Nitrogen-Hydrogen Bond Activations, and Catalytic Aminations," Ph.D. dissertation, Yale University, New Haven, CT.
2. Louie, Janis. 1998. "Palladium-Catalyzed Aryl Amination: Mechanism, Methodology, and Synthetic Applications," Ph.D. dissertation, Yale University, New Haven, CT.
3. Mann, Grace. 1999. "Palladium-Mediated C-S, C-N, and C-O Bond Formation: Reductive Elimination and Catalytic Reactions," Ph.D. dissertation, Yale University, New Haven, CT.
4. Muhoro, Clare N. 1999. "Titanocene Borane Sigma Complexes and the Catalytic Hydroboration of Alkenes and Alkynes by Titanium(II) Complexes," Ph.D. dissertation, Yale University, New Haven, CT.
5. Waltz, Karen M. 2000. "Functionalization of Hydrocarbons by Transition-Metal Boryl Complexes," Ph.D. dissertation, Yale University, New Haven, CT.
6. Alcazar-Roman, Luis. 2001. "Mechanism of the Palladium-Catalyzed Amination of Aryl Halides: Kinetic Studies of the Oxidative Addition of Aryl Halides and Sulfonates to Phosphine Complexes of Pd(0) and of the Catalytic Reaction of Amines with Aryl Halides and Base," Ph.D. dissertation, Yale University, New Haven, CT.
7. Anastasi, Natia. 2002. "Borylation of Arenes Catalyzed by Transition Metal Complexes," Ph.D. dissertation, Yale University, New Haven, CT.
8. Roy, Amy H. 2003. "Oxidative Addition of Aryl Halides and Sulfonates to Palladium(0) and Reductive Elimination of Aryl Halides and Diaryl Ethers from Palladium(II): Mechanistic Investigation and Synthetic Applications," Ph.D. dissertation, Yale University, New Haven, CT.
9. Stambuli, James P. 2003. "Discovery and Development of transition Metal Catalysts for Carbon-Carbon and Carbon-Heteroatom Bond Formation: Isolation and Reactivity of Catalytic Intermediates," Ph.D. dissertation, Yale University, New Haven, CT.
10. Krug, Christopher P. 2004. "Novel Insertion Reactions of Aldehydes, Imines and Alkenes of Aryl Amido Complexes of Rhodium(I) and Nickel(II)," Ph.D. dissertation, Yale University, New Haven, CT.

11. Culkin, Darcy A. 2004. "Synthesis and Reactivity of Palladium Complexes of Functionalized Alkyls. Selection of Catalysts for the α -Arylation of Nitriles and Amides," Ph.D. dissertation, Yale University, New Haven, CT.
12. Zhao, Jing. 2004. "Beta-Hydrogen Elimination from Late Transition Metal Alkoxide Complexes, N-H Bond Forming Reductive Elimination, and N-H Oxidative Addition to Late Transition Metal Complexes," Ph.D. dissertation, Yale University, New Haven, CT.
13. Shekar, Shashank. 2006. "Understanding the Mechanisms of Carbon-Carbon and Carbon-Nitrogen Bond Forming Processes in Catalytic Reactions." Ph.D. dissertation, Yale University, New Haven, CT.
14. Shen, Qilong. December 2007. "A Highly Reactive, General, and Long-Lived Catalyst for Palladium-Catalyzed Amination of Heteroaryl and Aryl Halides." Ph.D. dissertation, Yale University, New Haven, CT.
15. Barrios-Landeros, Fabiola. 2007. "Oxidative Addition of Haloarenes by Pd(O) Complexes of Bulky Alkyl Phosphines: Synthesis of Intermediates and Mechanistic Studies." Ph.D. dissertation, Yale University, New Haven, CT.
16. Johns, Adam M. 2007. "Advances in Palladium-Catalyzed Hydroamination: Improvements in Rates, Scope, and Regioselectivity, Thermodynamic Measurements, and Mechanistic Investigations." Ph.D. dissertation, Yale University, New Haven, CT.
17. Murphy, Jaclyn M. May 2009. "The Synthesis of Organoboron Compounds by Metal-Catalyzed C-H Borylation of Alkanes and Arenes." Ph.D. dissertation, Yale University, New Haven, CT.
18. Pouy, Mark P. October 2009. "Studies on Iridium-Catalyzed Allylic Substitution." Ph.D. dissertation, Yale University, New Haven, CT.
19. Vo, Giang D. September 2010. "Development and Mechanistic Investigation of the Palladium-Catalyzed α -Arylation of Aldehydes and *N*-Arylation of Ammonia." Ph.D. dissertation, University of Illinois at Urbana-Champaign, IL.
20. Carrow, Brad P. January 2011. "Mechanistic Studies on Palladium-Catalyzed Coupling Reactions." Ph.D. dissertation, University of Illinois at Urbana-Champaign, IL.
21. Marquard, Seth September 2011. "Reductive Elimination to Form sp^3 -C-N Bonds" Ph.D. dissertation, University of Illinois at Urbana-Champaign, IL.
22. Klinkenberg, Jessica May 2012. "Palladium-Catalyzed Reactions of Ammonia, Carbon Monoxide, and Ammonia" Ph.D. dissertation, University of Illinois at Urbana-Champaign, IL.
23. Robbins, Daniel June 2012. "New Methodologies and Approaches to Reaction Discovery in Transition Metal Catalysis" Ph.D. dissertation, University of Illinois at Urbana-Champaign, IL.
24. Madrahimov, Sherzod June 2012. "Mechanistic studies on iridium catalyzed allylic substitution" Ph.D. dissertation, University of Illinois at Urbana-Champaign, IL.

25. Hanley, Patrick November 2012. "New Carbon-Nitrogen Bond-Forming Reactions of Palladium" Ph.D. dissertation, University of Illinois at Urbana-Champaign, IL.
26. Tan, Yichen January 2013. "Palladium-Catalyzed Direct Functionalization of Aromatic C-H Bonds: Development of Methods for Direct Amination and Mechanistic Studies of Direct Arylation of Benzene and Pyridine N-Oxide" Ph.D. dissertation, University of California, Berkeley, CA.
27. Richers, Casseday April 2013. "The Effects of Ancillary Ligand Properties on the Reactions of Rhodium Diphosphine Alkoxo Alkene Complexes" Ph.D. dissertation, University of Illinois at Urbana-Champaign, IL.
28. Liskey, Carl May 2013. "Iridium-Catalyzed Borylation of Aromatic and Aliphatic C-H Bonds: Methodology and Mechanism" Ph.D. dissertation, University of Illinois at Urbana-Champaign, IL.
29. Sevov, Christo May 2014. "Iridium-Catalyzed Reactions of C-H, N-H, and O-H Bonds with Alkenes: Methodologies and Mechanisms" Ph.D. dissertation, University of California, Berkeley, CA.
30. Fier, Patrick S. December 2014. "Transition-Metal Mediated Fluorination and Fluoroalkylation Reactions" Ph.D. dissertation, University of California, Berkeley, CA.
31. Strom, Alexandra E. August 2015. "Synthetic and Mechanistic Studies of Transition Metal-Mediated Carbon-Nitrogen Bond Forming Reactions" Ph.D. dissertation, University of California, Berkeley, CA.
32. Green, Rebecca February 2016. "Nickel- and Palladium-Catalyzed Cross Coupling Reactions: Reaction Development and Mechanistic Studies" Ph.D. dissertation, University of California, Berkeley, CA.
33. Key, Hanna E. August 2016. "Synthesis, Characterization, and Stoichiometric and Catalytic Reactivity of Metalloproteins Binding Noble Metals in Place of Native Metals" Ph.D. dissertation, University of California, Berkeley, CA.
34. Larsen, Matthew May 2017. "Iridium-Catalyzed Borylation of C-H Bonds" Ph.D. dissertation, University of California, Berkeley, CA.
35. Cheng, Chen May 2017. "Catalytic Silylation of C-H Bonds: Reaction Development, Mechanism, and Applications and Development of Degradable Polymers from Biorenewable Sources" Ph.D. dissertation, University of California, Berkeley, CA.
36. Mormino, Michael May 2017. "Development of Transition Metal-Catalyzed Fluoroalkylation Reactions of Aryl Electrophiles" Ph.D. dissertation, University of California, Berkeley, CA.
37. Litman, Zachary May 2017. "Palladium-Catalyzed C-H Oxidation Reactions and Cooperative Catalytic Reactions" Ph.D. dissertation, University of California, Berkeley, CA.
38. Peacock, David M. May 2017. "Palladium-Mediated Formation of Alkyl-Nitrogen Bonds" Ph.D. dissertation, University of California, Berkeley, CA.

39. Hill, Christopher August 2018. "Discovery of Ruthenium Tris-phosphine Complexes for Poly-alcohol Functionalization and Alkene Hydroamination" Ph.D. dissertation, University of California, Berkeley, CA.
40. Arlow, Sophie May 2018. "The Development of Transition Metal-Catalyzed Fluoroalkylation and Fluoroenolate Arylation Reactions" Ph.D. dissertation, University of California, Berkeley, CA.
41. Lee, Taegyo May 2018. "Transition Metal-Catalyzed Enantioselective Silylation of C–H Bonds: Reaction Development and Mechanistic Studies" Ph.D. dissertation, University of California, Berkeley, CA.
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8. 6,451,937 "Selective, catalytic, thermal functionalization of primary C-H hydrocarbon bonds"
9. 6,562,989 "Catalyst for aromatic C-O, C-N, and C-C bond formation"
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11. 8,058,477 "Process for the synthesis of arylamines from the reaction of an aromatic compound with ammonia or a metal amide"
12. 8,188,302 "Hydroamination of alkenes"
13. 9,193,648 "Fluoroalkylation methods and reagents"
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