

ROBERT E. MALECZKA, Jr.

DEPARTMENT ADDRESS:

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EDUCATION:

The Ohio State University, Columbus, Ohio
Ph.D., Chemistry, December 1992
Dissertation Title: "Application of the Oxyanionic Cope Rearrangement to the Convergent, Rapid Construction of Natural Polycyclic Systems"

University of Illinois, Urbana, Illinois
B.S., Chemistry, May 1984

EXPERIENCE:

Professor of Chemistry (July 1, 2006 to present)
Department of Chemistry, Michigan State University, East Lansing, MI
•Research areas include: a) Green chemistry, b) the invention and study of new reactions and strategies in organic synthesis and c) the total synthesis of naturally occurring compounds that are of biological interest.

Department Chair (December 1, 2010 to May 31, 2021)
Department of Chemistry, Michigan State University, East Lansing, MI

Associate Professor of Chemistry (July 1, 2001 to June 30, 2006)
Department of Chemistry, Michigan State University, East Lansing, MI

Assistant Professor of Chemistry, (August 15, 1995 to June 30, 2001)
Department of Chemistry, Michigan State University, East Lansing, MI

ACS Post-Doctoral Fellow (December, 1992 to June, 1995)
Department of Chemistry, University of Pennsylvania, Philadelphia, PA
•Investigated the total synthesis of (-)-rapamycin and allied molecules.
Advisor: Professor Amos B. Smith, III

Graduate Research Associate (September, 1987 to November, 1992)
Department of Chemistry, The Ohio State University, Columbus, OH
•Studied the oxyanionic Cope rearrangement in the syntheses of (+)-pallascensin A, (-)-9-epiambrox, (+)-9-epiambroxide, (+)-phyllocladene, and related studies.
Advisor: Professor Leo A. Paquette

Research Assistant (June, 1984 to September, 1987)
Anti-infective Research Division, Abbott Laboratories, Abbott Park, IL
•Prepared new arylfluoroquinolones for structure-antibacterial relationship studies.
Supervisor: Dr. Daniel T. W. Chu

Undergraduate Research Student (August, 1983 to May, 1984)
Department of Chemistry, University of Illinois, Urbana, IL
•B.Sc. thesis title: "The Synthesis of the Four Isomers of Statine"
Advisor: Professor Kenneth L. Rinehart

HONORS & AWARDS:

- Elected Fellow of the American Association for the Advancement of Science (AAAS) (2021)
- Honored Professor of ‘Overseas Expertise Introduction Center for Green Pharmaceuticals Discipline Innovation (111 Center)’ Zhejiang University of Technology, China (2018–2021)
- “Para-Selective, Iridium-Catalyzed C–H Borylations of Sulfated Phenols, Benzyl Alcohols, and Anilines Directed by Ion-Pair Electrostatic Interactions” featured in *Chemistry World* article entitled “Steric shield leads boron to aromatic rings’ most remote region” by Katrina Krämer, November 4, 2019.
- Guest Professor-Consultant of the Zhengzhou Tobacco Research Institute of CNTC (2014–2022)
- “Cobalt-Catalyzed C-H Borylation of Alkyl Arenes and Heteroarenes Including the First Selective Borylations of Secondary Benzylic C–H Bonds” recognized as a “Most Read Article” of the month by *Organometallics* (2018).
- Elected Fellow of the American Chemical Society (2014)
- Hess Lecturer, Illinois Wesleyan University, Bloomington, IL; April 7, 2014
- MSU College of Natural Science Alumni Association's Meritorious Faculty Award (2013)
- Merck Technology Collaboration Award (2013)
- Academic Winner of the US EPA’s 2008 Presidential Green Chemistry Challenge
- The awarding of our grant from Pfizer & the Pharmaceutical Roundtable of the ACS’s Green Chemistry Institute featured in C&EN (*Chem. Eng. News* **2007**, 85 (31), 61)
- “One-pot Pd-Catalyzed Hydrostannation/Stille Reaction with Acid Chlorides as the Electrophiles” recognized as a “top-50 most downloaded” article from the *Journal of Organometallic Chemistry* on Science Direct during 2006
- Astellas USA Foundation Faculty Award (2006)
- Yamanouchi USA Foundation Faculty Award (2001, 2002, 2003, 2004, 2005)
- MTTC grant subject of an AP wire story (by Tim Martin) picked up by ABC News.com, Detroit Free Press, LA Times, Miami Herald, Newsday, Washington Post, Yahoo News, etc.
- Work from the collaboration with M. R. Smith named one of the chemistry highlights of 2002 by C&EN (*Chem. Eng. News* **2002**, 80 (50), 35–48)
- MSU College of Natural Science Teacher-Scholar Award (2001)
- Sigma Xi* (MSU Chapter) Junior Meritorious Faculty Research Award (2000)
- Novartis Lecturer, Yale University, New Haven, CT; December 6, 2000
- NSF CAREER Award (2000–2003)
- NIH FIRST Award (1998–2001)
- National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) MSU Chapter Mentor of the Year (1998)
- MSU Senior Class Council Outstanding Faculty Award Nominee (1998)
- American Cancer Society Post-Doctoral Fellowship (1993–1995)
- Dean's List, University of Illinois
- Air Force ROTC Scholarship (1980–1982)

PROFESSIONAL MEMBERSHIPS & SERVICE:

- American Chemical Society (1984 to present)
- Co-Founder, BoroPharm, Inc. (2005 to present)
- Member, American Chemical Society Committee on Publications (2022–2024)
- Member, National Academies of Sciences, Engineering, and Medicine, Chemical Sciences Roundtable (CSR) (2018–2020; reappointed 2021–2023)
- Elected Treasurer, ACS Division of Organic Chemistry (2018–2022, Treasurer Elect 2017)
- Co-Organizer, Chemical Sciences Roundtable Workshop “Laboratory Automation and Accelerated Synthesis: Empowering Tomorrow’s Chemist”, National Academies of Sciences, Engineering, and Medicine (November 16–17, 2021)

PROFESSIONAL MEMBERSHIPS & SERVICE (continued):

- NSF reviewer (2022, 2021 (5 panels & 1 ad hoc review), 2020 (three panels), 2019, 2018, 2017, 2015)
- Co-Organizer, NAS Chemical Sciences Roundtable Webinar "Future Directions of Sustainability in Chemical Manufacturing" (September 9, 2021)
- Invited poster judge for Michigan AGEP (Alliances for Graduate Education and the Professoriate) Alliance 2021 Fall Conference, Michigan State University, East Lansing, MI, November 6, 2021
- NIH Member Conflict: Biological Chemistry and Macromolecular Biophysics Review Panel (2019)
- Journal of Organic Chemistry* Lectureship Committee (2020, 2019)
- Invited panel member, "Becoming a Faculty Entrepreneur" Michigan AGEP (Alliances for Graduate Education and the Professoriate) Alliance 2019 Fall Conference, Michigan State University, East Lansing, MI, November 23, 2019
- Invited poster judge, 19th Annual Biomedical Research Conference for Minority Students, November 13–16, Anaheim, CA; American Society for Microbiology: Washington, DC, 2019
- The Graduate School's GRFP Workshop Panelist (September 18, 2019)
- Invited poster judge for the 46th National Organic Chemistry Symposium, June 23–27, Bloomington, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2019.
- Consultant, LernerDavid on behalf of Cambrex Corp. study of USPN 10,150,745 (2019)
- Consultant, Millennium Pharmaceuticals. vs. Apotex Corp. et al.; Civil Action No. 1:13-cv-01874-GMS, etc., United States District Court for the District of Delaware (2019)
- Expert witness, Hubei Grand Life Science vs. Vitaworks IP, LLC.; IPR2018-01766, IPR2018-01767, IPR2018-01768 (2018–2019)
- Invited poster judge of the "Green Pharmaceuticals Award" International Academic Paper Competition for College Students, 4th Mogan Mountain International Summit on Green Pharmaceuticals 2018, November 29–30, 2018, Hangzhou-Deqing, China
- Invited poster judge, 18th Annual Biomedical Research Conference for Minority Students, November 14–17, Indianapolis, IN; American Society for Microbiology: Washington, DC, 2018
- Co-Organized and Presided over the Symposium Commemorating the 40th Anniversary of the FDA-Approval of Cisplatin, August 3–4, 2018, East Lansing, MI
- USA/ACS topic area reviewer for the organic topic area for Pacificchem 2020
- Organized the "ACS Award for Affordable Green Chemistry: Symposium in honor of B. Frank Guppton and D. Tyler McQuaid" at the 255th ACS National Meeting, New Orleans, LA (2018)
- External Ph.D. Examiner Universidade da Coruña, A Coruña, Spain (2018)
- Invited poster judge, 17th Annual Biomedical Research Conference for Minority Students, November 2–5, Phoenix, AZ; American Society for Microbiology: Washington, DC, 2017
- Organized and Presided over the "George A. Olah Award in Hydrocarbon or Petroleum Chemistry: Symposium in honor of Robert H. Grubbs" at the 253rd ACS National Meeting, San Francisco, CA (2017)
- Elected Alternate Councilor, ACS Division of Organic Chemistry (2016)
- Invited poster judge, 16th Annual Biomedical Research Conference for Minority Students, November 9–12, Tampa, FL; American Society for Microbiology: Washington, DC, 2016
- Symposium Planning and Election Nominating Committees, ACS Division of Organic Chemistry (2016)
- Consultant, McAndrews, Held & Malloy Ltd. on behalf of Abbott Labs arbitration and Investigation of MDT's zotarolimus royalty (2015)
- Invited panel member, "Becoming a Faculty Entrepreneur" Michigan AGEP (Alliances for Graduate Education and the Professoriate) Alliance 2015 Fall Conference, Michigan State University, East Lansing, MI, November 21, 2015
- NIH Synthetic and Biological Chemistry Fellowship Review Panel (2014)

PROFESSIONAL MEMBERSHIPS & SERVICE (continued):

- ACS Fellows and Award Committee, ACS Division of Organic Chemistry (2014)
- Invited panel member, "Green Chemistry Commitment Panel" and poster judge *Green Up*, the Michigan Green Chemistry and Engineering Conference, East Lansing, MI, November 12, 2014
- Organized and Presided over the Division of Organic Chemistry's "Ernest Guenther Award in the Chemistry of Natural Products: Symposium in Honor of Dennis P. Curran" at the 247th ACS National Meeting, Dallas, TX (2014)
- Invited panel member, Chemistry Professional Development Organization's, Entrepreneurship Panel, University of Michigan, Ann Arbor, MI, February 24, 2014
- Invited panel member, "Green Chemistry's Place in the Sustainability Movement" *Green Up*, the Michigan Green Chemistry and Engineering Conference, Grand Rapids, MI, October 24, 2013
- Co-Presided over the Division of Organic Chemistry's "Young Investigators Symposium" at the 246th ACS National Meeting, Indianapolis, IN (2013)
- EPA/NSF Networks for Sustainable Materials Design and Synthesis Review Panel (2013)
- NIH Chemistry, Biochemistry, Biophysics, and Bioengineering Fellowship Review Panel (2011–2013)
- External Reviewer: Department of Chemistry and Biochemistry, University of Texas, Arlington program review (September 26–27, 2013)
- Organized and Presided over the Division of Organic Chemistry's "Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator: Symposium in Honor of Martin D. Burke" at the 245th ACS National Meeting, March 21–25, New Orleans, LA (2013)
- Election Nominating Committee, ACS Division of Organic Chemistry (2013, 2016–2018)
- Elected Member-at-Large, Executive Committee, ACS Division of Organic Chemistry (2012–2014)
- Young Investigator Symposium Committee, ACS Division of Organic Chemistry (2012–2013, Chair 2014)
- Invited participant ACS/EPA Green Chemistry Market Roundtable and White House Forum, Washington, DC, December 5–6, 2012
- Treasurer ACS Michigan State University Local Section (1996–2011)
- Expert witness, Cordis et al. vs. Abbott Laboratories et al. (Civil Action No. 08-230-JAP-TJB), United States District Court for the District of New Jersey (2010–2011)
- ACS Award for Affordable Green Chemistry Selection Committee (2009–2010, Chair 2011)
- Invited panel member, NSF's focus meeting on research to advance sustainable chemistry, The National Academy of Sciences, Washington, DC, April 28, 2011
- NIH Chemical and Bioanalytical Sciences Fellowship Review Panel (2008, 2009, 2011)
- Boron in the Americas XII co-organizer, Michigan State University, East Lansing, MI, June 6–10, 2010
- Expert witness, Flexsys America LP vs. Kumho Tire USA Inc., et al. (Case No. 5:05-cv-00156), United States District Court Northern District of Ohio, Eastern Division (2009–2010)
- Co-organizer of the 70th Birthday Symposium for Professor Peter J. Wagner, Michigan State University, East Lansing, MI, October 10–11, 2008
- Co-organizer of the 70th Birthday Symposium for Professor Peter J. Wagner, Michigan State University, East Lansing, MI, October 10–11, 2008
- Invited panel member, 21st Century Jobs Fund proposal interviewing best practices workshop, Michigan State University, East Lansing, MI, July 25, 2006
- Nominee, ACS Division of Organic Chemistry Member at Large (2005)
- Diversity Scholar, Center for the Integration of Research, Teaching, and Learning (CIRTL), Madison, WI (2004–2005)
- Co-organizer "Leopalooza" The 70th Birthday Symposium for Professor Leo A. Paquette, The Ohio State University, Columbus, OH, July 9–10, 2004

PROFESSIONAL MEMBERSHIPS & SERVICE (continued):

- McGraw Hill's Smith First Edition Board of Advisors (2003–2004)
- Presided over the Division of Organic Chemistry's "Metal-Mediated Reactions and Syntheses" session of the 219th ACS National Meeting, San Francisco, CA (2000)
 - Co-chair, General Plenary Session V of the 8th International Symposium on Natural Product Chemistry, Karachi, Pakistan (2000)
- Presided over the Division of Organic Chemistry's "New Reactions, Techniques, and Methodology" session of the 217th ACS National Meeting, Anaheim, CA (1999)
- Presided over the Division of Organic Chemistry's "Stereoselective Reactions and Syntheses" session of the 215th ACS National Meeting, Dallas, TX (1998)
- National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) MSU Chapter: Advisory Board (1998–2000)
- Professional Relations committee member, ACS Chicago Local Section (1985–1987)
- Public Relations committee member, ACS Chicago Local Section (1985–1987)

UNIVERSITY & COLLEGE ACADEMIC GOVERNANCE and SERVICE:

- Search Committee for Dean of the College of Natural Science Dean (2017, 2018)
- Elected University Council/Faculty Senate (2012–2014; reelected 2014–2016)
- Search Committee for Associate Director of the Charles Drew Science Enrichment Laboratory (2011–2012)
- Elected At-Large Member of the Executive Committee of Academic Council (2009–2011); Vice Chair (Elected 2009–2010, 2010–2011)
- Appointed to the President's Communicator Group (2009–2010)
- Appointed At-Large Member of the Executive Committee of Academic Council (Spring 09)
- Athletic Council (2005–2007)
- Chair, Drug Education and Testing Committee, MSU Department of Intercollegiate Athletics (2005–2007)
- Search Committee for Director of the Charles Drew Science Enrichment Laboratory (2006)
- Acting-Provost Search and Rating Committee (2004)
- Ad hoc team for developing guidelines for the Provost Search & Rating Committees (2004)
- CNS Position Management Committee (2004–2005)
- University NMR Committee (2003–present)
- Elected Faculty Liaison to the Board of Trustees (2003–2005)
- Elected University Committee on Academic Governance (2002–2003)
- Elected Academic Council/Faculty Council (2001–2005)
- Elected University Hearing Board (2000–2001)

JOURNAL PUBLICATIONS:

1. "Synthesis and Structure-Activity Relationships of Novel Arylfluoroquinolone Antibacterial Agents" Chu, D. T. W.; Fernandes, P. B.; Claiborne, A. K.; Pihuleac, E.; Nordeen, C. W.; Maleczka, R. E., Jr.; Pernet, A. G. *J. Med. Chem.* **1985**, *28*, 1558–1564.
2. "Synthesis and Structure-Activity Relationship of 1-Aryl-6,8-difluoroquinolone Antibacterial Agents" Chu, D. T. W.; Fernandes, P. B.; Maleczka, R. E., Jr.; Nordeen, C. W.; Pernet, A. G. *J. Med. Chem.* **1987**, *30*, 504–509.
3. "Synthesis of 4-Oxo-4*H*-quino[2,3,4-*i,j*][1,4]-benoxazine-5-carboxylic Acid Derivatives" Chu, D. T. W.; Maleczka, R. E., Jr. *J. Heterocyclic Chem.* **1987**, *24*, 453–456.
4. "Total Synthesis of Didemmins A, B, and C" Rinehart, K. L.; Kishore, V.; Nagarajan, S.; Lake, R. J.; Gloer, J. B.; Bozich, F. A.; Li, K.-M.; Maleczka, R. E., Jr.; Todsén, T. L.; Munro, M. H. G.; Sullins, D. W.; Sakai, R. *J. Am. Chem. Soc.* **1987**, *109*, 6846–6848.

JOURNAL PUBLICATIONS (continued):

5. "Synthesis of 4,12-Dihydro-4-oxoquino-[1,8a,8-a,b]quinoxaline-5-carboxylic Acid Derivatives" Chu, D. T. W.; Maleczka, R. E., Jr.; Nordeen, C. W. *J. Heterocyclic Chem.* **1988**, *25*, 927–930.
6. "Enantioselective Total Synthesis of (–)-9-Epiambrox, a Potent Ambergris-Type Olfactory Agent" Paquette, L. A.; Maleczka, R. E., Jr. *J. Org. Chem.* **1991**, *56*, 912–913.
7. "Regio- and Stereoselective Oxidation of Unsaturated Bicyclo[2.2.2]octanones with Selenium Dioxide" Paquette, L. A.; Maleczka, R. E., Jr.; Qiu, F.-y. *J. Org. Chem.* **1991**, *56*, 2455–2461.
8. "Adaptation of Oxyanionic Sigmatropy to the Convergent Enantioselective Synthesis of Ambergris-Type Odorants" Maleczka, R. E., Jr.; Paquette, L. A. *J. Org. Chem.* **1991**, *56*, 6538–6546.
9. "Enantioselective Construction of Natural (+)-Pallescensin A. A Sigmatropic Pathway to Furanosequeterpines" Paquette, L. A.; Maleczka, R. E., Jr. *J. Org. Chem.* **1992**, *57*, 7118–7122.
10. "Rapamycin Synthetic Studies. 1. Construction of the C(27) to C(42) Subunit" Smith, A. B., III; Condon, S. M.; McCauley, J. A.; Leahy, J. W.; Leazer, J. L., Jr.; Maleczka, R. E., Jr. *Tetrahedron Lett.* **1994**, *35*, 4907–4910.
11. "Rapamycin Synthetic Studies. 2. Construction of the C(10) to C(26) Perimeter" Smith, A. B., III; Maleczka, R. E., Jr.; Leazer, J. L., Jr.; Leahy, J. W.; McCauley, J. A.; Condon, S. M. *Tetrahedron Lett.* **1994**, *35*, 4911–4914.
12. "Total Synthesis of Rapamycin and Demethoxyrapamycin" Smith, A. B., III; Condon, S. M.; McCauley, J. A.; Leazer, J. L., Jr.; Leahy, J. W.; Maleczka, R. E., Jr. *J. Am. Chem. Soc.* **1995**, *117*, 5407–5408.
13. "A Unified Total Synthesis of the Immunomodulators (–)-Rapamycin and (–)-27-Demethoxyrapamycin: Construction of the C(21–42) Perimeters" Smith, A. B., III; Condon, S. M.; McCauley, J. A.; Leazer, J. L., Jr.; Leahy, J. W.; Maleczka, R. E., Jr. *J. Am. Chem. Soc.* **1997**, *119*, 947–961.
14. "A Unified Total Synthesis of the Immunomodulators (–)-Rapamycin and (–)-27-Demethoxyrapamycin: Assembly of the Common C(1–20) Perimeter and Final Elaboration" Smith, A. B., III; Condon, S. M.; McCauley, J. A.; Leazer, J. L., Jr.; Leahy, J. W.; Maleczka, R. E., Jr. *J. Am. Chem. Soc.* **1997**, *119*, 962–973.
15. "Stereospecificity of the 1,2-Wittig Rearrangement: How Chelation Effects Influence Stereochemical Outcome" Maleczka, R. E., Jr.; Geng, F. *J. Am. Chem. Soc.* **1998**, *120*, 8551–8552.
16. "Development of a One Pot Palladium Catalyzed Hydrostannylation/Stille Coupling Protocol with Catalytic Amounts of Tin" Maleczka, R. E., Jr.; Terstiege, I. *J. Org. Chem.* **1998**, *63*, 9622–9623.
17. "A New Approach for the Generation and Reaction of Organotin Hydrides: The Development of Reactions Catalytic in Tin" Terstiege, I.; Maleczka, R. E., Jr. *J. Org. Chem.* **1999**, *64*, 342–343.
18. "Application of a Three-Carbon Ring Expansion Process to Bridged Bicyclic Systems" Mi, B.; Maleczka, R. E., Jr. *Tetrahedron Lett.* **1999**, *40*, 2053–2056.
19. "Synthetic Studies Toward Amphidinolide A: Synthesis of Fully Functionalized Subunits" Terrell, L. R.; Ward, J. S., III; Maleczka, R. E., Jr. *Tetrahedron Lett.* **1999**, *40*, 3097–3100.
20. "Synthesis of Aryl and Alkyl Acylsilanes Using Trimethyl(tributylstannyl)silane" Geng, F.; Maleczka, R. E., Jr. *Tetrahedron Lett.* **1999**, *40*, 3113–3114.
21. "Application of Fluoride Catalyzed Silane Reductions of Tin Halides to the *in situ* Preparation of Vinylstannanes" Maleczka, R. E., Jr.; Terrell, L. R.; Clark, D. H.; Whitehead, S. L.; Gallagher, W. P.; Terstiege, I. *J. Org. Chem.* **1999**, *64*, 5958–5965.
22. "Synthesis and Fluoride Promoted Wittig Rearrangements of α -Alkoxy silanes" Maleczka, R. E., Jr.; Geng, F. *Org. Lett.* **1999**, *1*, 1111–1113.

JOURNAL PUBLICATIONS (continued):

23. "Methylolithium Promoted Wittig Rearrangements of α -Alkoxysilanes" Maleczka, R. E., Jr.; Geng, F. *Org. Lett.* **1999**, *1*, 1115–1118.
24. "Stille Couplings Catalytic in Tin — Beyond Proof of Principle" Maleczka, R. E., Jr.; Gallagher, W. P.; Terstiege, I. *J. Am. Chem. Soc.* **2000**, *122*, 384–385.
25. "Microwave Assisted One Pot Hydrostannylation/Stille Couplings" Maleczka, R. E., Jr.; Lavis, J. M.; Clark, D. H.; Gallagher, W. P. *Org. Lett.* **2000**, *2*, 3655–3658.
26. "Stille Couplings Catalytic in Tin — The 'Sn–O' Approach" Gallagher, W. P.; Terstiege, I.; Maleczka, R. E., Jr. *J. Am. Chem. Soc.* **2001**, *123*, 3194–3204.
27. "A Nozaki-Hiyama-Kishi (NHK) Coupling Approach to the Phomactins" Mi, B.; Maleczka, R. E., Jr. *Org. Lett.* **2001**, *3*, 1491–1494.
28. "The Regiochemical Influence of Oxo-Substitution in Palladium Mediated Hydrostannations of 1-Alkynes" Rice, M. B.; Whitehead, S. L.; Horvath, C. M.; Muchnij, J. A.; Maleczka, R. E., Jr. *Synthesis* **2001**, 1495–1504.
29. "Stille Couplings Catalytic in Tin: A "Sn–F" Approach" Maleczka, R. E., Jr.; Gallagher, W. P. *Org. Lett.* **2001**, *3*, 4173–4176.
30. "Remarkably Selective Iridium Catalysts for the Elaboration of Aromatic C–H Bonds" Cho, J.-Y.; Tse, M. K.; Holmes, D.; Maleczka, R. E., Jr.; Smith, M. R., III *Science* **2002**, *295*, 305–308.
31. "Total Synthesis of Proposed Amphidinolide A via a Highly Selective Ring Closing Metathesis" Maleczka, R. E., Jr.; Terrell, L. R.; Geng, F.; Ward, J. S., III *Org. Lett.* **2002**, *4*, 2841–2844.
32. "Palladium Catalyzed Hydrodehalogenations by Fluoride Activated Polymethylhydrosiloxane" Maleczka, R. E., Jr.; Rahaim, R. J., Jr.; Teixeira, R. R. *Tetrahedron Lett.* **2002**, *43*, 7087–7090.
33. "Bleach/Acetic Acid Promoted Chlorinative Ring Expansion of [2.2.1] and [2.2.2] Bicycles" Ruggles, E. L.; Maleczka, R. E., Jr. *Org. Lett.* **2002**, *4*, 3899–3902.
34. "Room Temperature Dehalogenation of Chloroarenes by Polymethylhydrosiloxane (PMHS) under Palladium Catalysis" Rahaim, R. J., Jr.; Maleczka, R. E., Jr. *Tetrahedron Lett.* **2002**, *43*, 8823–8826.
35. "Polymethylhydrosiloxane (PMHS) as an Additive in Sonogashira Reactions" Gallagher, W. P.; Maleczka, R. E., Jr. *Synlett* **2003**, 537–541.
36. "C–H Activation/Borylation/Oxidation: A One-Pot Unified Route To Meta-Substituted Phenols Bearing Ortho/Para-Directing Groups" Maleczka, R. E., Jr.; Shi, F.; Holmes, D.; Smith, M. R., III *J. Am. Chem. Soc.* **2003**, *125*, 7792–7793.
37. "PMHS Mediated Couplings of Alkynes or Benzothiazoles with Various Electrophiles: Application to the Synthesis of (–)-Akolactone A" Gallagher, W. P.; Maleczka, R. E., Jr. *J. Org. Chem.* **2003**, *68*, 6775–6779.
38. "Stille Reactions Catalytic in Tin: A "Sn–F" Route for Intermolecular and Intramolecular Couplings" Gallagher, W. P.; Maleczka, R. E., Jr. *J. Org. Chem.* **2005**, *70*, 841–846.
39. "A Toxicological Evaluation of Pyrene Ozonation Byproducts: Biphenyl-2,2',6,6'-tetracarbaldehyde and Biphenyl-2,2',6,6'-tetracarboxylic Acid" Luster-Teasley, S. L.; Ganey, P. E.; DiOrio, M.; Ward, J. S., III; Maleczka, R. E., Jr.; Trosko, J. E.; Masten, S. J. *Environ. Toxicol. Chem.* **2005**, *24*, 733–740.
40. "Pd-Catalyzed Silicon Hydride Reductions of Aromatic and Aliphatic Nitro Groups" Rahaim, R. J., Jr.; Maleczka, R. E., Jr. *Org. Lett.* **2005**, *7*, 5087–5090.
41. "One-Pot Pd-Catalyzed Hydrostannylation/Stille Reaction with Acid Chlorides as the Electrophiles" Lee, K.; Gallagher, W. P.; Toskey, E. A.; Chong, W.; Maleczka, R. E., Jr. *J. Organomet. Chem.* **2006**, *691*, 1462–1465.

JOURNAL PUBLICATIONS (continued):

42. "One-Pot Borylation/Amination Reactions: Synthesis of Arylamine Boronate Esters from Halogenated Arenes" Holmes, D.; Chotana, G. A.; Maleczka, R. E., Jr.; Smith, M. R., III *Org. Lett.* **2006**, *8*, 1407–1410.
43. "Aromatic Borylation/Amidation/Oxidation: A Rapid Route to 5-Substituted-3-amidophenols" Shi, F.; Smith, M. R., III; Maleczka, R. E., Jr. *Org. Lett.* **2006**, *8*, 1411–1414.
44. "Pd(0)-Catalyzed PMHS Reductions of Aromatic Acid Chlorides to Aldehydes" Lee, K.; Maleczka, R. E., Jr. *Org. Lett.* **2006**, *8*, 1887–1888.
45. "α-Substituted Acylsilanes via a Highly Selective [1,4]-Wittig Rearrangement of α-Benzyloxyallylsilane" Onyeozili, E. N.; Maleczka, R. E., Jr. *Chem. Commun.* **2006**, 2466–2468.
46. "Studies on the Deprotonation and Subsequent [1,4]-Wittig Rearrangement of α-Benzyloxyallylsilanes" Onyeozili, E. N.; Maleczka, R. E., Jr. *Tetrahedron Lett.* **2006**, *47*, 6565–6568.
47. "Pd-Catalyzed Silane/Siloxane Reductions in the One-Pot Conversion of Nitro Compounds to Their Amines, Hydroxylamines, Amides, Sulfonamides, and Carbamates" Rahaim, R. J., Jr.; Maleczka, R. E., Jr. *Synthesis* **2006**, 3316–3340.
48. "Ir-Catalyzed Functionalization of 2-Substituted Indoles at the 7-Position: Nitrogen-Directed Aromatic Borylation" Paul, S.; Chotana, G. A.; Holmes, D.; Reichle, R. C.; Maleczka, R. E., Jr.; Smith, M. R., III *J. Am. Chem. Soc.* **2006**, *128*, 15552–15553.
49. "Iridium-Catalyzed Borylation of Thiophenes: Versatile, Synthetic Elaboration Founded on Selective C–H Functionalization" Chotana, G. A.; Kallepalli, V. A.; Maleczka, R. E., Jr.; Smith, M. R., III *Tetrahedron* **2008**, *64*, 6103–6114.
50. "Aryl–Aryl Cross-Couplings that Avoid the Preparation of Haloaromatics" Norberg, A. M.; Sanchez, L.; Maleczka, R. E., Jr. *Curr. Opin. Drug Discov. Dev.* **2008**, *11*, 853–869.
51. "Copper Puts Arenes in a Hard Position (A Chemistry Perspective)" Maleczka, R. E., Jr. *Science* **2009**, *323*, 1572–1573.
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31. University of Kansas, Lawrence, KS; August 31, 2000.
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33. Indiana University, Bloomington, IN; October 1, 2000.
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36. University of British Columbia, Vancouver, BC, Canada; October 6, 2000.
37. Boston College, Boston, MA; October 24, 2000.
38. Pfizer, Groton, CT; October 26, 2000.
39. University of Michigan, Ann Arbor, MI; October 31, 2000.
40. The Scripps Research Institute, La Jolla, CA; November 7, 2000.
41. University of California, Irvine, Irvine, CA; November 8, 2000.

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43. Colorado State University, Fort Collins, CO; November 10, 2000.
44. University of Colorado, Boulder, CO; November 13, 2000.
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69. Yamanouchi Pharmaceutical Co., Tsukuba, Ibaraki, Japan; November 13, 2002.
70. Merck & Co., Rahway, NJ; November 15, 2002.
71. "Development of Large Scale Syntheses of Sea Lamprey Bile Acid Derivatives" Maleczka, R. E., Jr. Sea Lamprey Research Program Workshop, Romulus, MI; March 6–7; The Great Lakes Fishery Commission: Ann Arbor, MI, 2003.
72. Texas Christian University, Fort Worth, TX; October 14, 2003.
73. University of Texas–Arlington, Arlington, TX; October 15, 2003.
74. Texas A&M University, College Station, TX; October 16, 2003.

INVITED PRESENTATIONS (continued):

75. University of Texas–Austin, Austin, TX; October 17, 2003.
76. GlaxoSmithKline, King of Prussia, PA; November 11, 2003.
77. Lake Superior State University, Sault Ste. Marie, MI; November 21, 2003.
78. Exelixis Pharmaceuticals, Inc., South San Francisco, CA; January 22, 2004.
79. CV Therapeutics, Palo Alto, CA; January 23, 2004.
80. “Wittig Rearrangements and Related Reactions of α -Alkoxy-silanes” Maleczka, R. E., Jr.; Oneyozili, E. N.; Geng, F. 36th ACS Central Regional Meeting, June 2–4, IUPUI, Indianapolis IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2004; ORGN 246.
81. “C–H Activation/borylation-based One-pot Preparations of Substituted Aromatic Building Blocks for Natural Product Synthesis” Maleczka, R. E., Jr.; Shi, F.; Holmes, D.; Chotana, G. A.; Gong, Y.; He, W.; Smith, M. R., III 53rd Gordon Research Conference on Natural Products, Tilton School, Tilton, NH, July 25–30, 2004.
82. Southern Research Institute, Birmingham, AL; September 30, 2004.
83. “Total Synthesis of Ethyl Benzene and Other Architecturally Simple Molecules” Maleczka, R. E., Jr. The Amos B. Smith, III Chemistry Symposium, Philadelphia, PA; October 15; The University of Pennsylvania and The Philadelphia Organic Chemists’ Club: Philadelphia, PA, 2004.
84. Hiroshima University, Hiroshima, Japan; November 15, 2004.
85. Kyoto Institute of Technology, Kyoto, Japan; November 17, 2004.
86. Yamanouchi Pharmaceutical Co., Tsukuba, Ibaraki, Japan; November 19, 2004.
87. University of Wisconsin, Madison, WI; May 24, 2005.
88. “Alternative Approaches to Minimizing the Tin Requirement in Multi-step Organostannane Mediated Reactions” Ford, S. L.; Muchnij, J. A.; Maleczka, R. E., Jr. Summer Undergraduate Research Fellowship Program Symposium, Groton, CT; September 29–30; Pfizer Global Research and Development: Groton, CT, 2005.
89. Merck & Co., West Point, PA; October 5, 2005.
90. Amgen, Thousand Oaks, CA; May 4, 2006.
91. Abbott Laboratories, Abbott Park, IL; May 31, 2006.
92. Syracuse University, Syracuse, NY; November 7, 2006.
93. TetraLogic Pharmaceuticals, Malvern, PA; November 14, 2006.
94. Eli Lilly, Indianapolis, IN; March 9, 2007.
95. “Combining Ir-Catalyzed Borylations with other Chemical Events” Maleczka, R. E., Jr. Paquette Legacy Symposium on Synthetic Organic Chemistry, The Ohio State University, Columbus, OH, May 19, 2007.
96. “Catalytic Borylation/Cross–Coupling Protocols that Avoid the Preparation of Haloaromatics” Maleczka, R. E., Jr.; Banerjee, A.; Chotana, G. A.; Holmes, D.; Kallepalli, V. A.; Paul, S.; Sanchez, L. A.; Shi, F.; Smith, M. R., III 11th Annual Green Chemistry & Engineering Conference, June 26–29, Washington, DC, 2007; Abstract No. 77.
97. Pfizer, La Jolla, CA; August 28, 2007.
98. Neurocrine Biosciences, San Diego, CA; August 29, 2007.
99. “The Synthesis of Novel Aromatic and Heteroaromatic Building Blocks By Way of Catalytic C–H Activation-Borylation” Maleczka, R. E., Jr. Biofine USA, San Diego, CA, August 30–31, 2007.
100. Oakland University, Rochester, MI; September 12, 2007.

INVITED PRESENTATIONS (continued):

101. Universidad de Santiago de Compostela, Santiago de Compostela, Spain; October 5, 2007.
102. Universidade da Coruña, A Coruña, Spain; October 8, 2007.
103. Wayne State University, Detroit, MI; October 17, 2007.
104. Louisiana State University, Baton Rouge, LA; November 30, 2007.
105. University of Leeds, Leeds, UK; April 17, 2008.
106. AstraZeneca, Charnwood, Loughborough, Leicestershire, UK; April 18, 2008.
107. University of Cambridge, Cambridge, UK; April 21, 2008.
108. Merck, Hoddesdon, Hertfordshire, UK; April 22, 2008.
109. GlaxoSmithKline, Stevenage, Hertfordshire, UK; April 23, 2008.
110. Pfizer, Sandwich, Kent, UK; April 24, 2008.
111. Janssen Pharmaceutica, Beerse, Belgium; April 28, 2008.
112. “Catalytic Borylation/Cross–Coupling Protocols that Avoid the Preparation of Haloaromatics” Maleczka, R. E., Jr.; Chotana, G. A.; Kallepalli, V. A.; Holmes, D.; Norberg, A. M.; Sanchez, L.; Shi, F.; Smith, M. R., III 40th ACS Mid-Atlantic Regional Meeting, May 17–21, Queensborough Community College of the City University of New York, Bayside (Queens), NY, 2008; Abstract No. 200.
113. Merck, Rahway, NJ; May 20, 2008.
114. “Green Chemistry for Preparing Boronic Esters” Maleczka, R. E., Jr.; Cho, J.-Y.; Chotana, G. A.; Holmes, D.; Iverson, C. N.; Kallepalli, V. A.; Norberg, A. M.; Onyeozili, E.; Paul, S.; Sanchez, L.; Shi, F.; Tse, M. K.; Smith, M. R., III 12th Annual Green Chemistry & Engineering Conference, June 24–26, Washington, DC, 2008.
115. “Catalytic Borylation/Cross–Coupling Protocols that Avoid the Preparation of Haloaromatics” Maleczka, R. E., Jr. 55th Gordon Research Conference on Organic Reactions and Processes, Bryant University, Smithfield, RI, July 13–18, 2008.
116. Grand Valley State University, Allendale, MI; October 3, 2008.
117. “Streamlining Pharmaceutical Syntheses” Freshman Seminar UGS 101-317: Green Chemistry, Michigan State University, East Lansing, MI; November 5, 2008.
118. “Streamlining Pharmaceutical Syntheses” Freshman Seminar UGS 101-305: Green Chemistry, Michigan State University, East Lansing, MI; March 3, 2009.
119. “C–H Activation” 5th High Throughput Medicinal Chemistry Conference, AstraZeneca, Alderley Park, Cheshire, UK; May 12, 2009.
120. University of Liverpool, Liverpool, UK; May 13, 2009.
121. RSC Merck Lectureship Organic Symposium, Queen’s University Belfast, Belfast, Northern Ireland, UK; May 15, 2009.
122. University of Southampton, Southampton, UK; May 18, 2009.
123. AstraZeneca R&D Mölndal, Mölndal, Sweden; May 20, 2009.
124. “Transforming Catalytic C–H Borylations into a Pharma Friendly Synthetic Tool” Maleczka, R. E., Jr.; Gesmundo, N. J.; Kallepalli, V. A.; Li, H.; Norberg, A. M.; Preshlock, S. M.; Roosen, P. C.; Sanchez, L.; Turton, C. L.; Smith, M. R., III 13th Annual Green Chemistry & Engineering Conference, June 23–25, College Park, MD, 2009; Abstract No. 166.
125. “Transforming Catalytic C–H Borylations into a Pharma Friendly Synthetic Tool” 2009 AMRI Chemical Development Symposium, Albany, NY, August 26–27, 2009.
126. Bristol-Myers Squibb Pharmaceutical Research Institute, Hopewell, NJ; September 29, 2009.

INVITED PRESENTATIONS (continued):

127. Bristol-Myers Squibb Pharmaceutical Research Institute, New Brunswick NJ; September 30, 2009.
128. Ohio Northern University, Ada, OH; October 1, 2009.
129. Pfizer Green Chemistry Symposium (keynote speaker), Pfizer, Inc., Chesterfield, MO; October 8, 2009.
130. University of Missouri, St. Louis, St. Louis, MO; October 9, 2009.
131. "Streamlining Pharmaceutical Syntheses" Freshman Seminar UGS 101-316: Green Chemistry, Michigan State University, East Lansing, MI; October 26, 2009.
132. MSU Bioeconomy Institute, Holland, MI; January 27, 2010.
132. University of Toledo, Toledo, OH; March 15, 2010.
133. University of Illinois, Chicago, Chicago, IL; March 30, 2010.
134. "Streamlining Pharmaceutical Syntheses" Freshman Seminar UGS 101-309: Green Chemistry, Michigan State University, East Lansing, MI; September 27, 2010.
135. ARIAD Pharmaceuticals, Cambridge, MA; September 29, 2010.
136. "Transforming Catalytic C-H Borylations into a Pharma Friendly Synthetic Tool" 3rd International Symposium on Green Processing in the Pharmaceutical and Fine Chemical Industries, September 29 – October 1, 2010, University of Massachusetts Boston, Boston, MA.
137. "New Technologies Being Used in Drug Discovery & Development" Frontiers in Science Weekend Workshops, Michigan State University, East Lansing, MI; December 4, 2010.
138. Hoffmann-La Roche, Nutley, NJ; February 9, 2011.
139. Cephalon, West Chester, PA; February 18, 2011.
140. Western Michigan University, Kalamazoo, MI; April 11, 2011.
141. Amgen, Cambridge, MA; June 14, 2011.
142. Peking University, National Institute of Biological Sciences, Beijing, China; June 23, 2011.
143. Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China; June 24, 2011.
144. Henan University (two seminars), Kaifeng, China; June 28, 2011.
145. Shanghai University, Shanghai, China; June 30, 2011.
146. DuPont Shanghai, Shanghai, China; July 1, 2011.
147. "Green Chemistry for Preparing Aromatic Boronic Esters" *Maleczka, R. E., Jr.*; Smith, M. R., III 242nd American Chemical Society National Meeting, August 28–September 1, Denver, CO; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2011; ORGN 52.
148. International Flavors and Fragrances, Hazlet, NJ; December 13, 2011.
149. University of Puerto Rico, Río Piedras, San Juan, Puerto Rico; March 12, 2012.
150. "No One was Killed or Seriously Hurt in the Process' Chemistry During the Early Days of Michigan State University, the Pioneer Land-Grant University" 2012 Biennial Conference on Chemical Education, The Pennsylvania State University, University Park, PA, July 29 – August 2, 2012; P17.
151. "Catalytic Borylations and Other Approaches Toward Green Cross-Couplings" Fifteenth Symposium on the Latest Trends in Organic Synthesis (LTOS-15), Brock University, St. Catharines, Ontario, Canada, August 8–11, 2012.

INVITED PRESENTATIONS (continued):

152. "No One was Killed or Seriously Hurt in the Process' Chemistry During the Early Days of Michigan State University, the Pioneer Land-Grant University" 244th American Chemical Society National Meeting, August 19–23, Philadelphia, PA; The Division of the History of Chemistry of the American Chemical Society: Washington, DC, 2012; HIST 13.
153. MSU Bioeconomy Institute, Holland, MI; December 12, 2012.
154. Merck & Co., Rahway, NJ; January 14, 2013.
155. "An Overview of Green Chemistry Research in the MSU Department of Chemistry" Scotts Miracle-Gro Sustainability Learning Day, MBI, Lansing, MI; February 20, 2013.
156. "Streamlining Pharmaceutical Syntheses" Freshman Seminar UGS 101-303: Green Chemistry, Michigan State University, East Lansing, MI; February 25, 2013.
157. Alabama A&M University, Huntsville, AL; April 16, 2013.
158. "Meeting the Green Chemistry Aspirations of Pharma Through an Academic-Industrial Collaboration Aimed at Advancing Catalytic Borylations" Maleczka, R. E., Jr.; Albaneze-Walker, J.; Krska, S. W.; Maligres, P. E.; Perera, D.; Shen, F.; Preshlock, S.; Smith, M. R., III 44th ACS Central Regional Meeting, May 15–17, Central Michigan University, Mount Pleasant, MI, 2013; CERM 184.
159. "Founding BoroPharm: A Naive Academic's Encounters with Cigarettes, Angels, and Hastelloy tanks" 246th American Chemical Society National Meeting, September 8–12, Indianapolis, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2013; ORGN 199.
160. "Meeting the Green Chemistry Aspirations of the ACS/GCI's Pharmaceutical Roundtable Through an Academic-Industrial Collaboration Aimed at Advancing Catalytic Borylations" Maleczka, R. E., Jr.; Albaneze-Walker, J.; Krska, S. W.; Maligres, P. E.; Perera, D.; Shen, F.; Preshlock, S.; Smith, M. R., III 246th American Chemical Society National Meeting, September 8–12, Indianapolis, IN; The Division of Industrial and Engineering Chemistry of the American Chemical Society: Washington, DC, 2013; I&EC 49.
161. "NSF Grant Opportunities for Academic Liaison with Industry" presented in conjunction with the Green Chemistry and Commerce Council's Advancing Green Chemistry Innovation in the Pharmaceutical Industry: The GCI Pharmaceutical Roundtable's Research Grant Program an ACS Webinar hosted by Julie B. Manley, Guiding Green, LLC; December 12, 2013.
162. McGill University, Montreal, Canada; December 17, 2013.
163. University of Ghana, Legon, Ghana; January 16, 2014.
164. Fourah Bay College, University of Sierra Leone, Freetown, Sierra Leone; January 20, 2014.
165. Hess Lecturer, Illinois Wesleyan University, Bloomington, IL; April 7, 2014.
166. "The Academic Side of Industrial Collaborations Aimed at Advancing Catalytic C–H Borylations" Maleczka, R. E., Jr.; Smith, M. R., III 18th Annual Green Chemistry & Engineering Conference, June 17–19, North Bethesda, MD, 2014, Oral Presentation No. 62.
167. "Discovery and Development of Catalytic Deborylations" Shen, F.; Krska, S. W.; Maleczka, R. E., Jr.; Maligres, P. E.; Perera, D.; Smith, M. R., III 18th Annual Green Chemistry & Engineering Conference, June 17–19, North Bethesda, MD, 2014; ACS GCI Roundtable Reception Poster 4.
168. Peking University School of Pharmacy, Beijing, China; July 7, 2014.
169. Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China; July 8, 2014.
170. Hunan Normal University, Changsha, China; July 12, 2014.
171. Zhejiang University, Hangzhou, China; July 14, 2014.
172. Shanghai Institute of Organic Chemistry, Shanghai, China; July 15, 2014.

INVITED PRESENTATIONS (continued):

173. “Streamlining Pharmaceutical Syntheses” Freshman Seminar UGS 101-313: Green Chemistry, Michigan State University, East Lansing, MI; October 27, 2014.
174. “Advancing Catalytic Borylations (and Green Chemistry) through Academic-Industrial Collaborations” Greater Indianapolis Organic Seminar Series (GIOSS), Dow AgroSciences, Eli Lilly, IUPUI, Indianapolis, IN; October 20–21, 2014.
175. Department of Applied Sciences, Muroran Institute of Technology, Muroran, Hokkaido, Japan (via Skype); January 26, 2015.
176. MSU Drug Discovery Seminar Series, Department of Pharmacology and Toxicology, Michigan State University, East Lansing, MI; February 20, 2015.
177. Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China; March 18–22, 2015.
178. “Advancing Catalytic C–H Borylations and Green Chemistry Through Academic–Industrial Collaborations” Maleczka, R. E., Jr., *Book of Abstracts*, XXXV Biennial Meeting of the Spanish Royal Society of Chemistry, A Coruña (Spain), July 19–23, 2015; López, J. A. S.; Martínez, E. I.; Blas, T. R.; López, M. C.; Sestelo, J. P.; Rodríguez, D. R. Eds.; p. 383, ISBN: 978-84-606-9786-2.
179. WuXi AppTech, Wuhan, China; September 21, 2015.
180. Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China; September 22–25, 2015.
181. Frontiers in Chemistry Seminar Series, Western Michigan University, Kalexsyn, and Zoetis, Kalamazoo, MI; November 3, 2015.
182. Process R&D Center, SK Biotek, Daejeon, South Korea; November 16, 2015.
183. Korea Research Institute of Chemical Technology (KRICT), Daejeon, South Korea; November 17, 2015.
184. Daegu-Gyeongbuk Medical Innovation Foundation (DGMIF), Daegu, South Korea; November 18, 2015.
185. Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China; April 18–21, 2016.
186. Xi'an Jiaotong University, Xi'an, China; April 22, 2016.
187. Florida A&M University, Tallahassee, FL; November 14, 2016.
188. Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China; November 17–21, 2016.
189. Beijing University of Chemical Technology (BUCT), Beijing, China; November 22, 2016.
190. Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China; June 13–15, 2017.
191. Roche Pharmaceuticals, Shanghai, China; June 19, 2017.
192. Fudan University, Shanghai, China; June 20, 2017.
193. Tongji University, Shanghai, China; June 21, 2017.
194. Shanghai Normal University, Shanghai, China; June 22, 2017.
195. East China Normal University, Shanghai, China; June 23, 2017.
196. “Streamlining Pharmaceutical Syntheses” Freshman Seminar UGS 101-313: Green Chemistry, Michigan State University, East Lansing, MI; October 17, 2017.
197. “Advancing Catalytic C–H Borylations and Green Chemistry Through Academic–Industrial Collaborations” (keynote); *Go Green to Go Gold ACS Student Affiliate Symposium*, Wayne State University, Detroit, MI; November 18, 2017.
198. Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China; December 11–13, 2017.
199. CiQUS, Universidad de Santiago de Compostela, Santiago de Compostela, Spain; April 16, 2018.
200. Portland State University, Portland, OR; April 27, 2018.

INVITED PRESENTATIONS (continued):

201. Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China; June 6–8, 2018.
202. “Combining C–H Borylations with Other Chemical Events” Maleczka, R. E., Jr. Gordon Research Conference on Organic Reactions & Processes, July 15–20, 2018, Stonehill College, Easton, MA.
203. “Streamlining Pharmaceutical Syntheses” Freshman Seminar UGS 101-313: Green Chemistry, Michigan State University, East Lansing, MI; October 9, 2018.
204. University of Texas at San Antonio, San Antonio, TX; October 18, 2018.
205. Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China; November 26, 2018.
206. “Advancing Catalytic C–H Borylations and Green Chemistry Through Academic–Industrial Collaborations” (plenary); 4th Mogan Mountain International Summit on Green Pharmaceuticals 2018, November 29–30, 2018, Hangzhou-Deqing, China.
207. Vanderbilt University, Nashville, TN; January 31, 2019.
208. “Advancing Catalytic Borylations Through Academic–Industrial Collaborations” 50th ACS Central Regional Meeting (CERM), June 4–8, 2019, Midland, MI; CERM 221.
209. Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China; July 22–23, 2019.
210. Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China; December 11–13, 2019.
211. Florida Gulf Coast University, Fort Myers, FL; January 29, 2020.
212. Ohio University, Athens, OH; February 17, 2020.
213. “Boron and beyond: Twenty-year collaboration with Mitch Smith” Maleczka, R. E., Jr. Spring 2020 American Chemical Society National Meeting, March 22–26, Philadelphia, PA; The Division of Inorganic Chemistry of the American Chemical Society: Washington, DC, 2020; INOR 85 (meeting cancelled owing to COVID-19).
214. Zhengzhou Tobacco Research Institute of CNTC, Virtual research lectures; October 27–29, 2021.
215. Zhengzhou Tobacco Research Institute of CNTC, Virtual safety lectures; December 21–22, 2021.

CONTRIBUTED PRESENTATIONS:

1. “A-62254: Synthesis and Antibacterial Activity of 1-Difluorophenyl-6-fluoro-quinolone and its Analogs” Chu, D. T. W.; Fernandes, P. B.; Claiborne, A. K.; Maleczka, R. E.; Klock, P.; Shen, L. L.; Patel, J.; Pernet, A. 26th Interscience Conference on Antimicrobial Agents and Chemotherapy, September 28–October 1, New Orleans, LA; American Society for Microbiology: Washington, DC, 1986; Abstract No. 428.
2. “Synthesis, Antibacterial Activities, and Pharmacological Properties of Enantiomers of Temafloxacin Hydrochloride” Chu, D. T. W.; Nordeen, C. W.; Maleczka, R. E.; Hardy, D. J.; Pernet, A.; Clement, J. J.; Plattner, J. J. 29th Interscience Conference on Antimicrobial Agents and Chemotherapy, September 17–20, Houston, TX; American Society for Microbiology: Washington, DC, 1989; Abstract No. 1245.
3. “Studies Directed Towards the Total Synthesis of Rapamycin: Construction of a C29–C39 Fragment” Condon, S. M.; McCauley, J. A.; Leazer, J. L., Jr.; Maleczka, R. E., Jr.; Leahy, J. W.; Smith, A. B., III 33rd National Organic Chemistry Symposium, June 13–17, Bozeman, MT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1993; Abstract No. A-47.
4. “Studies Directed Towards the Total Synthesis of Rapamycin: Construction of a C13–C28 Fragment” Leazer, J. L., Jr.; Condon, S. M.; Leahy, J. W.; Maleczka, R. E., Jr.; McCauley, J. A.; Smith, A. B., III 33rd National Organic Chemistry Symposium, June 13–17, Bozeman, MT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1993; Abstract No. B-86.

CONTRIBUTED PRESENTATIONS (continued):

5. "Rapamycin and Demethoxyrapamycin: Synthetic Studies" Smith, A. B., III; Condon, S. M.; Maleczka, R. E., Jr.; McCauley, J. A.; Leazer, J. L., Jr.; Leahy, J. W. 207th American Chemical Society National Meeting, March 13–17, San Diego, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1994; ORGN 212.
6. "The Total Syntheses of Rapamycin and Demethoxyrapamycin" Smith, A. B., III; Condon, S. M.; McCauley, J. A.; Leazer, J. L., Jr.; Leahy, J. W.; Maleczka, R. E., Jr. 209th American Chemical Society National Meeting, April 2–6, Anaheim, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1995; ORGN 211.
7. "The Regiochemical Outcome of the Hydrostannylation of Alkynes Under Palladium Catalyzed and Free Radical Conditions" Horvath, C. M.; Maleczka, R. E., Jr. 6th Great Lakes College Chemistry Conference, March 16, 1996, East Lansing MI; Abstract No. 19A.
8. "The Preparation of 1-Methylbicyclo[2,2,2]oct-5-en-2-one: Starting Material for the Development of a Radical Oxy-Cope Rearrangement" Wolf-Gouveia, L.; Maleczka, R. E., Jr. 6th Great Lakes College Chemistry Conference, March 16, 1996, East Lansing MI; Abstract No. 53A.
9. "A Synthetic Approach to Amphidinolide A: The Application of Novel Metal-mediated Methods" Maleczka, R. E., Jr.; Terrell, L. R.; Clark, D. J.; Schoenberger, E. S.; Horvath, C. M. 24th Annual NOBCCHE Conference, March 24–29, Orlando FL; The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers: Washington, DC, 1997; Abstract No. 166.
10. "Preparation of a Key Building Block for a Synthetic Approach to the Phomactins" Whitehead, S.; Mi, B.; Maleczka, R. E., Jr. 7th Great Lakes College Chemistry Conference, April 5, 1996, East Lansing MI; Abstract No. 83A.
11. "Synthetic Approach to Amphidinolide A: Application of Novel Metal-mediated Methods" Maleczka, R. E., Jr.; Terrell, L. R.; Clark, D. J.; Schoenberger, E. S.; Horvath, C. M. 213th American Chemical Society National Meeting, April 13–17, San Francisco, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1997; ORGN 584.
12. "A Synthetic Approach to Amphidinolide A: A Novel Macrolactone with Anti-Leukemic Activity" Maleczka, R. E., Jr.; Ward, J. S., III; Terrell, L. R. International Symposium on the Cellular and Molecular Mechanisms of Carcinogenesis and Mutagenesis, 8th Annual Research Conference, September 12–13, East Lansing, MI, 1997; Abstract No. 22.
13. "Comparison of Free Radical vs. Pd-Catalyzed Hydrostannylation of Terminal Alkynes Containing Nitrogen Substituents" Stuart, K.; Terstiege, I.; Maleczka, R. E., Jr. 8th Great Lakes College Chemistry Conference, March 21, 1998, East Lansing MI; Abstract No. 35A.
14. "The Regiochemistry of Conjugated Alkynes under Palladium Mediated and Free Radical Hydrostannylation Conditions" Whitehead, S.; Rice, M. B.; Maleczka, R. E., Jr. 8th Great Lakes College Chemistry Conference, March 21, 1998, East Lansing MI; Abstract No. 40B.
15. "Development of a One Pot Palladium Catalyzed Hydrostannylation/ Stille Coupling Protocol with Catalytic Amounts of Tin" Terstiege, I.; Maleczka, R. E., Jr. 215th American Chemical Society National Meeting, March 29–April 2, Dallas, TX; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1998; ORGN 145.
16. "Stereospecificity of the [1,2]-Wittig Rearrangement: How Chelation Effects Influence Stereochemical Outcome" Geng, F.; Maleczka, R. E., Jr. 215th American Chemical Society National Meeting, March 29–April 2, Dallas, TX; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1998; ORGN 336.
17. "A Synthetic Approach to Amphidinolide A: A Novel Macrolactone with Anti-leukemic Activity" Terrell, L. R.; Ward, J. S., III; Maleczka, R. E., Jr. 25th Annual NOBCCHE Conference, April 13–18, Dallas, TX; The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers: Washington, DC, 1998. *Proceedings-NOBCCHE 1998*, 25, 79–85.

CONTRIBUTED PRESENTATIONS (continued):

18. "The Regiochemistry of Alkyne Hydrostannylation Under Palladium-Catalyzed and Free Radical Conditions" Whitehead, S.; Rice, M. B.; Terstiege, I.; Maleczka, R. E., Jr. 25th Annual NOBCCChE Conference, April 13–18, Dallas, TX; The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers: Washington, DC, 1998. *Proceedings–NOBCCChE* **1998**, 25, 107–116.
19. "Stereospecific [1,2]-Wittig Rearrangements: A Divergent Approach to Syn and Anti-1,3-Polyols" Maleczka, R. E., Jr.; Geng, F. Gordon Research Conference on Stereochemistry, June 7–12, 1998, Salve Regina University, Newport, RI.
20. "A New Approach for the *in situ* Generation and Reaction of Organotin Hydrides: The Development of Reactions Catalytic in Tin" Maleczka, R. E., Jr.; Terstiege, I. Gordon Research Conference on Organic Reactions & Processes, July 12–17, 1998, New England College, Henniker, NH.
21. "Effect of Differently Functionalized and positioned Substituents on Palladium-Catalyzed and Free Radical Hydrostannylation Reactions" Whitehead, S.; Rice, M. B.; Maleczka, R. E., Jr. 216th American Chemical Society National Meeting, August 23–27, Boston, MA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1998; PRES 76.
22. "Treatment of Tributyltin Halides with aq. KF and Polymethylhydrosiloxane, a New Approach for the *in situ* Generation of Tributyltin Hydride: Applications in Reactions Catalytic in Tin" Terstiege, I.; Maleczka, R. E., Jr. 216th American Chemical Society National Meeting, August 23–27, Boston, MA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1998; ORGN 606.
23. "Wittig Rearrangements of alpha-Silyl Ethers" Maleczka, R. E., Jr.; Geng, F. 217th American Chemical Society National Meeting, March 21–25, Anaheim, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1999; ORGN 494.
24. "Application of A Three-Carbon Ring Expansion Process to Bridged Bicyclic Systems" Mi, B.; Maleczka, R. E., Jr. 217th American Chemical Society National Meeting, March 21–25, Anaheim, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1999; ORGN 495.
25. "Application of Fluoride Catalyzed Silane Reductions of Tin Halides to the *in situ* Preparation of Vinylstannanes" Whitehead, S. L.; Clark, D. H.; Maleczka, R. E. Jr.; Terrell, L. R. Terstiege, I. 217th American Chemical Society National Meeting, March 21–25, Anaheim, CA; The Division of Chemical Education of the American Chemical Society: Washington, DC, 1999; CHED 291.
26. "Advances in the Total Synthesis of Amphidinolide A" Terrell, L. R.; Ward, J. S., III; Maleczka, R. E., Jr. 26th Annual NOBCCChE Conference, April 5–10, San Diego, CA; The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers: Washington, DC, 1999. *Proceedings–NOBCCChE* **1999**, 26, 35–39.
27. "A New Approach for the Generation and Reaction of Organotin Hydrides: The Development of Reactions Catalytic in Tin" Maleczka, R. E., Jr.; Terstiege, I.; Whitehead, S. L.; Clark, D. H.; Terrell, L. R. 26th Annual NOBCCChE Conference, April 5–10, San Diego, CA; The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers: Washington, DC, 1999. *Proceedings–NOBCCChE* **1999**, 26, 41–48.
28. "Application of Fluoride Catalyzed Silane Reductions of Tin Halides to the *in situ* Preparation of Vinylstannanes" Clark, D. H.; Maleczka, R. E., Jr.; Terrell, L. R.; Terstiege, I.; Whitehead, S. L. 26th Annual NOBCCChE Conference, April 5–10, San Diego, CA; The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers: Washington, DC, 1999. *Proceedings–NOBCCChE* **1999**, 26, 73–78.
29. "Wittig Rearrangements of alpha-Silyl Ethers" Maleczka, R. E., Jr.; Geng, F. 36th National Organic Chemistry Symposium, June 13–17, Madison, WI; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1999; Abstract No. 91.

CONTRIBUTED PRESENTATIONS (continued):

30. "In Situ Preparation and Reaction of Vinylstannanes Via Fluoride Catalyzed Silane Reductions of Tin Halides" Maleczka, R. E., Jr.; Terrell, L. R.; Clark, D. H.; Whitehead, S. L.; Gallagher, W. P.; Terstiege, I. 36th National Organic Chemistry Symposium, June 13–17, Madison, WI; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1999; Abstract No. 171.
31. "Development of a Novel Oxy-Radical Derived Exo Olefin Insertion/Ring Expansion Reaction" Ruggles, E. L.; Maleczka, R. E., Jr. 36th National Organic Chemistry Symposium, June 13–17, Madison, WI; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1999; Abstract No. 172.
32. "Development of a Novel Oxy-Radical Derived Exo Olefin Insertion/Ring Expansion Reaction" Ruggles, E. L.; Maleczka, R. E., Jr. 31st ACS Central Regional Meeting June 21–23; The Ohio State University, Columbus, OH; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1999; Abstract No. 119.
33. "A Synthetic Approach to Amphidinolide A: Invention and Application of Organostannane and Organosilane Metal-Mediated Reactions" Maleczka, R. E., Jr. Gordon Research Conference on Natural Products, July 25–29, 1999, New England College, Henniker, NH.
34. "Exo Olefin Ring Insertion Followed by a One-Carbon Ring Expansion via Alkoxy Radicals" Ruggles, E. L.; Maleczka, R. E., Jr. 218th American Chemical Society National Meeting, August 22–26, New Orleans, LA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1999; ORGN 117.
35. "Advances in the Total Synthesis of Amphidinolide A" Maleczka, R. E., Jr.; Terrell, L.R.; Ward, J. S., III 218th American Chemical Society National Meeting, August 22–26, New Orleans, LA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 1999; ORGN 551.
36. "Stille Couplings Catalytic in Tin — Recent Developments" Maleczka, R. E., Jr.; Gallagher, W. P. 219th American Chemical Society National Meeting, March 26–30, San Francisco, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2000; ORGN 65.
37. "Development of New Processes for the Use of Organometallic Reactants with only Catalytic quantities of the Metal" Maleczka, R. E., Jr. Gordon Research Conference on Organic Reactions & Processes, July 16–21, 2000, Roger Williams University, Bristol, RI.
38. "A Synthetic Approach to Amphidinolide A: Invention and Application of Organostannane-Mediated Reactions" Maleczka, R. E., Jr. Gordon Research Conference on Natural Products, July 30–August 3, 2000, Plymouth State College, Plymouth, NH.
39. "Hypervalent PMHS in the Preparation of Organnostannanes from Tin Halides and Analogous Reductions" Pellerito, A. M.; Terstiege, I.; Maleczka, R. E., Jr. 33rd Organosilicon Symposium, April 7–8, Saginaw, MI; The American Chemical Society: Washington, DC, 2000; Abstract No. PA-51.
40. "Development of New Processes for the Use of Organometallic Reactants with only Catalytic Quantities of the Metal" Maleczka, R. E., Jr. International Chemical Congress of Pacific Basin Societies, December 14–19, Honolulu, HI; The American Chemical Society: Washington, DC, 2000; ORGN 749.
41. "A Synthetic Approach to Amphidinolide A: Invention and Application of Organostannane-Mediated Reactions" Maleczka, R. E., Jr. International Chemical Congress of Pacific Basin Societies, December 14–19, Honolulu, HI; The American Chemical Society: Washington, DC, 2000; ORGN 1141.
42. "Application of Fluoride-Catalyzed Hydrosiloxane Reductions of Tin Halides to Stille Couplings Catalytic in Tin" Gallagher, W. P.; Maleczka, R. E., Jr. 37th National Organic Chemistry Symposium, June 10–14, Bozeman, MT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2001; Abstract No. 83.

CONTRIBUTED PRESENTATIONS (continued):

43. "Studies on the Development of a Unified Synthetic Approach to the Phomactin Class of PAF Antagonists" Mi, B. M.; Maleczka, R. E., Jr. 37th National Organic Chemistry Symposium, June 10–14, Bozeman, MT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2001; Abstract No. 151.
44. "Hypervalent PMHS in the Preparation of Organotin Halides and Related Reactions" Pellerito, A. M.; Maleczka, R. E., Jr. 37th National Organic Chemistry Symposium, June 10–14, Bozeman, MT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2001; Abstract No. 166.
45. "The Action of Bleach on Unsaturated Bicyclopropanols" Ruggles, E. L.; Maleczka, R. E., Jr. 37th National Organic Chemistry Symposium, June 10–14, Bozeman, MT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2001; Abstract No. 183.
46. "Advances in the Total Synthesis of Amphidinolide A" Ward, J. S., III; Terrell, L. R.; Geng, F.; Maleczka, R. E., Jr. 37th National Organic Chemistry Symposium, June 10–14, Bozeman, MT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2001; Abstract No. 216.
47. "One Pot In Situ Generation and Reaction of Organotins" Lavis, J. M.; Pellerito, A. M.; Gallagher, W. P.; Maleczka, R. E., Jr. The Tenth International Conference on the Coordination and Organometallic Chemistry of Germanium, Tin, and Lead (ICCOG-GLT-10), Bordeaux, France; July 8–12, 2001; Abstract No. 2P47.
48. "Synthetic Studies Toward Amphidinolide A" Ward, J. S., III; Terrell, L. R.; Geng, F.; Maleczka, R. E., Jr. 222nd American Chemical Society National Meeting, August 26–30, Chicago, IL; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2001; ORGN 229.
49. "Nozaki-Hiyama-Kishi Coupling Approach to the Phomactins" Maleczka, R. E., Jr.; Mi, B. 222nd American Chemical Society National Meeting, August 26–30, Chicago, IL; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2001; ORGN 366.
50. "Stille Couplings Catalytic in Tin: The "Sn–F" Approach" Maleczka, R. E., Jr.; Gallagher, W. P. 222nd American Chemical Society National Meeting, August 26–30, Chicago, IL; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2001; ORGN 579.
51. "Remarkably Selective Ir Borylation Catalysts" Approach" Smith, M. R., III; Cho, J.-Y.; Tse, M. K.; Holmes, D.; Maleczka, R. E., Jr. 223rd American Chemical Society National Meeting, April 7–11, Orlando, FL; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2002; INOR 4.
52. "PMHS as an Additive for Sonogashira Couplings" Gallagher, W. P.; Maleczka, R. E., Jr. 223^d American Chemical Society National Meeting, April 7–11, Orlando, FL; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2002; ORGN 299.
53. "C–H Bond as a Functional Group for Tandem Catalysis" Holmes, D.; Maleczka, R. E., Jr. Smith, M. R., III 223^d American Chemical Society National Meeting, April 7–11, Orlando, FL; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2002; ORGN 380.
54. "Palladium Catalyzed Hydrogenolysis of Organochlorides Utilizing Polymethylhydro-siloxane (PMHS)" Maleczka, R. E., Jr.; Rahaim, R. J., Jr. 16th Center for Fundamental Materials Research Symposium, April 14–15, 2002, East Lansing, MI; Abstract No. 14.
55. "Polymethylhydro-siloxane (PMHS) Oligomer as an Additive for Sonogashira Reactions" Gallagher, W. P.; Maleczka, R. E., Jr. 16th Center for Fundamental Materials Research Symposium, April 14–15, 2002, East Lansing, MI; Abstract No. 32.
56. "Use of Hypercoordinate Siloxane Oligomer in the Transformation of Organotin Halides into Organostannanes" Pellerito, A. M.; Maleczka, R. E., Jr. 16th Center for Fundamental Materials Research Symposium, April 14–15, 2002, East Lansing, MI; Abstract No. 34.

CONTRIBUTED PRESENTATIONS (continued):

57. "Combining Catalytic C–H Activation/Borylation with other Chemical Events" Maleczka, R. E., Jr.; Holmes, D.; Shi, F.; Rahaim, R. J., Jr.; Smith, M. R., III Gordon Research Conference on Organic Reactions & Processes, July 21–25, 2002, Roger Williams University, Bristol, RI.
58. "Transition Metal Catalyzed Hydrostannations: Use of PMHS/Bu₃SnF as a Tin Hydride Source" Maleczka, R. E., Jr.; Gallagher, W. P.; Szymanski, A. L. 225th American Chemical Society National Meeting, March 23–27, New Orleans, LA; The Division of Chemical Education of the American Chemical Society: Washington, DC, 2003; CHED 610.
59. "Cross-Coupling of Trialkylvinyl Germanes with Aryl Halides" Lavis, J. M.; Maleczka, R. E., Jr. 38th National Organic Chemistry Symposium, June 8–12, Bloomington, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2003; Abstract No. A37.
60. "Synthesis of 3-Keto Petromyzonol Sulfate: A Potent Sea Lamprey Pheromone" Pellerito, A. M.; Maleczka, R. E., Jr. 38th National Organic Chemistry Symposium, June 8–12, Bloomington, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2003; Abstract No. B26.
61. "1,4-Wittig Rearrangements of α -Silyl Ethers" Onyeozili, E. N.; Maleczka, R. E., Jr. 38th National Organic Chemistry Symposium, June 8–12, Bloomington, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2003; Abstract No. B74.
62. "Stille Couplings Catalytic in Tin: Application to the Total Synthesis of Monocillin I" Gallagher, W. P.; Maleczka, R. E., Jr. 38th National Organic Chemistry Symposium, June 8–12, Bloomington, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2003; Abstract No. B108.
63. "Aromatic Borylation Applied to 'One-Pot' Syntheses of Substituted Phenols, Arylamines, and Biaryls" Holmes, D.; Shi, F.; Chotana, G. A.; Maleczka, R. E., Jr.; Smith, M. R., III 38th National Organic Chemistry Symposium, June 8–12, Bloomington, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2003; Abstract No. C15.
64. "Palladium Catalyzed Deoxygenations with a Curious Chlorobenzene Effect" Rahaim, R. J., Jr.; Maleczka, R. E., Jr. 38th National Organic Chemistry Symposium, June 8–12, Bloomington, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2003; Abstract No. C41.
65. "Chemoselective Conjugate Reduction of α,β -Unsaturated Carbonyl Compounds with Polymethylhydrosiloxane" Muchnij, J.; Maleczka, R. E., Jr. 38th National Organic Chemistry Symposium, June 8–12, Bloomington, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2003; Abstract No. D44.
66. "Synthesis of 3-Keto Petromyzonol Sulfate: A Potent Sea Lamprey Pheromone" Pellerito, A. M.; Maleczka, R. E., Jr. 226th American Chemical Society National Meeting, September 7–11, New York, NY; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2003; ORG 719.
67. "Chemoselective Conjugate Reduction of α,β -Unsaturated Carbonyl Compounds with Polymethylhydrosiloxane" Muchnij, J. A.; Maleczka, R. E., Jr. 37th Organosilicon Symposium at the University of Pennsylvania, May 20–22, 2004, Philadelphia, PA; Abstract No. P-34.
68. "A Versatile and Mild Reducing Method of Activated Alkenes and Alkynes, Halides, Nitro Groups, and Benzylic Oxygens via a Combination of Palladium Acetate, Poly(methylhydrosiloxane), and Aqueous KF" Rahaim, R. J., Jr.; Maleczka, R. E., Jr. 37th Organosilicon Symposium at the University of Pennsylvania, May 20–22, 2004, Philadelphia, PA; Abstract No. P-35.

CONTRIBUTED PRESENTATIONS (continued):

69. "C–H Activation/borylation-based One-pot Preparations of Substituted Aromatic Building Blocks for Organic Synthesis" Shi, F.; Holmes, D.; Chotana, G. A.; Gong, Y.; He, W.; Smith, M. R., III; Maleczka, R. E., Jr. 36th ACS Central Regional Meeting, June 2–4, IUPUI, Indianapolis IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2004; ORGN 384.
70. "C–H Activation/borylation-based one-pot preparations of substituted aromatic building blocks for natural product synthesis" Maleczka, R. E., Jr.; He, W.; Shi, F.; Holmes, D.; Chotana, G. A.; Gong, Y.; Smith, M. R., III "LeoPalooza" 70th Birthday Symposium for Prof. Leo A. Paquette, July 9–10, 2004; The Ohio State University, Columbus, OH.
71. "C–H Activation/borylation-based one-pot preparations of substituted aromatic building blocks for natural product synthesis" Maleczka, R. E., Jr.; Shi, F.; Holmes, D.; Chotana, G. A.; Gong, Y.; He, W.; Smith, M. R., III 53^d Gordon Research Conference on Natural Products, July 25–30, 2004, Tilton School, Tilton, NH.
72. "Transition Metal-Catalyzed Hydrostannation Reactions with In Situ Generated Tin Hydride" Weekes, J. L.; Ghosh, B.; Gallagher, W. P.; Szymanski, A. L.; Foster, A. J.; Maleczka, R. E., Jr. 32nd Annual NOBCCChE Conference, March 20–26, Orlando, FL; The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers: Washington, DC, 2005; Abstract No. 57.
73. "One-pot Pd-Catalyzed Hydrostannation/Stille Reaction with Acid Chlorides as the Electrophile" Lee, K.; Chong, W.; Toskey, E. A.; Gallagher, W. P.; Maleczka, R. E., Jr. 39th National Organic Chemistry Symposium, June 12–16, Salt Lake City, UT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2005; Abstract No. B74.
74. "In Situ Recycling of Organotin Hydrides: The Development of a One-pot Stille/Hydrostannation Reaction" Muchnij, J.; Maleczka, R. E., Jr. 39th National Organic Chemistry Symposium, June 12–16, Salt Lake City, UT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2005; Abstract No. C38.
75. "1,4-Wittig Rearrangements of α -Silyl Ethers" Onyeozili, E. N.; Maleczka, R. E., Jr. 39th National Organic Chemistry Symposium, June 12–16, Salt Lake City, UT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2005; Abstract No. C61.
76. "Palladium Catalyzed Reduction of Aromatic and Aliphatic Nitro Compounds to Amines. A One-pot Reductive conversion to Amides, Carbamates, and Sulfonamides" Rahaim, R. J., Jr.; Maleczka, R. E., Jr. 39th National Organic Chemistry Symposium, June 12–16, Salt Lake City, UT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2005; Abstract No. C84.
77. "A Rapid Preparation of 5-Substituted-3-hydroxy-1-amidobenzenes From 3-Substituted Halobenzenes via a C–H Borylation/Amidation/Oxidation Process" Shi, F.; Smith, M. R., III; Maleczka, R. E., Jr. 39th National Organic Chemistry Symposium, June 12–16, Salt Lake City, UT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2005; Abstract No. D25.
78. "Tandem Aromatic C-H Activation/Borylation C–X Coupling" Chotana, G. A.; Holmes, D.; Maleczka, R. E., Jr.; Smith, M. R., III 230th American Chemical Society National Meeting, August 28–September 1, Washington, DC; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2005; ORGN 312.
79. "Regioselective Borylation of Pyrroles and Azaindoles" Kallepalli, V. A.; Chotana, G. A.; Holmes, D.; Maleczka, R. E., Jr.; Smith, M. R., III 230th American Chemical Society National Meeting, August 28–September 1, Washington, DC; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2005; ORGN 406.

CONTRIBUTED PRESENTATIONS (continued):

80. "Iridium Catalyzed C–H Functionalization" Smith, M. R., III; Chotana, G. A.; Paul, S.; Kallepalli, V. A.; Maleczka, R. E., Jr. International Chemical Congress of Pacific Basin Societies, December 15–20, Honolulu, HI; The American Chemical Society: Washington, DC, 2005; Abstract No. 956.
81. "Combining Catalytic C–H Activation/Borylation with Other Chemical Events" Maleczka, R. E., Jr.; Shi, F.; Chotana, G. A.; Holmes, D.; Smith, M. R., III International Chemical Congress of Pacific Basin Societies, December 15–20, Honolulu, HI; The American Chemical Society: Washington, DC, 2005; Abstract No. 1199.
82. "Alternative Approaches to Minimizing the Tin Requirement in Multi-step Organostannane Mediated Reactions" Ford, S. L.; Muchnij, J. A.; Maleczka, R. E., Jr. 33rd Annual NOBCCHe Conference, April 9–25, Los Angeles, CA; The National Organization for the Professional Advancement of Black Chemists and Chemical Engineers: Washington, DC, 2006.
83. "One-pot Multi-component Stille Coupling Sequences with Halo-substituted Acid Chlorides" Lee, K.; Maleczka, R. E., Jr. 37th ACS Great Lakes Regional Meeting, May 31 – June 2, Milwaukee, WI; The American Chemical Society: Washington, DC, 2006; Abstract No. 121.
84. "A Catalytic C–H Borylation/Amidation/Oxidation Approach to the Total Synthesis of Autolytimycin" Shi, F.; Smith, M. R., III; Maleczka, R. E., Jr. 37th ACS Great Lakes Regional Meeting, May 31 – June 2, Milwaukee, WI; The American Chemical Society: Washington, DC, 2006; Abstract No. 122.
85. "New Uses for Polymethylhydrosiloxane (PMHS) in Organic Synthesis" Maleczka, R. E., Jr.; Rahaim, R. J., Jr.; Lee, K.; Muchnij, J. A. 37th ACS Great Lakes Regional Meeting, May 31 – June 2, Milwaukee, WI; The Division of Organic Chemistry of American Chemical Society: Washington, DC, 2006; ORGN 347.
86. "Ir-catalyzed Borylation: Functionalization of C–H bonds in Heterocycles" Chotana, G. A.; Paul, S.; Kallepalli, V. A.; Onyeozili, E. N. Maleczka, R. E., Jr.; Smith, M. R., III 232nd American Chemical Society National Meeting, September 10–14, San Francisco, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2006; INOR 413.
87. "How Does the Non-Transferable Group on the Triorganotin Species Affect the Rate of the Stille Reaction?" Maleczka, R. E., Jr.; Torres, N. M. 232nd American Chemical Society National Meeting, September 10–14, San Francisco, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2006; ORGN 203.
88. "Progress Towards the Application of Ir-Catalytic Aromatic C–H Activation/Borylation to the Total Synthesis of Autolytimycin" Shi, F.; Norberg, A. M.; Sanchez, L. A.; Smith, M. R., III; Maleczka, R. E., Jr. 232nd American Chemical Society National Meeting, September 10–14, San Francisco, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2006; ORGN 653.
89. "Transition Metal-Catalyzed Hydrostannations: Bu₃SnCl/PMHS/KF (or Bu₃SnF/PMHS) as In Situ Organotin Hydride Source" Ghosh, B.; Gallagher, W. P.; Szymanski, A. L.; Weekes, J. L.; Maleczka, R. E., Jr. 233rd American Chemical Society National Meeting, March 25–29, Chicago, IL; The Division of Inorganic Chemistry of the American Chemical Society: Washington, DC, 2007; INOR 186.
90. "Mechanism and Applications of Ir-Catalyzed C–H Activation/Borylation of Indoles" Paul, S.; Maleczka, R. E., Jr.; Smith, M. R., III 233rd American Chemical Society National Meeting, March 25–29, Chicago, IL; The Division of Inorganic Chemistry of the American Chemical Society: Washington, DC, 2007; INOR 187.
91. "Syntheses and Catalytic Activity of Tris Boryl Iridium Complexes" Chotana, G. A.; Maleczka, R. E., Jr.; Smith, M. R., III 233rd American Chemical Society National Meeting, March 25–29, Chicago, IL; The Division of Inorganic Chemistry of the American Chemical Society: Washington, DC, 2007; INOR 188.

CONTRIBUTED PRESENTATIONS (continued):

92. "Hydroboration of Allylic Alcohols and Other Unsaturated Alcohols" Kallepalli, V. A.; Maleczka, R. E., Jr.; Smith, M. R., III 233rd American Chemical Society National Meeting, March 25–29, Chicago, IL; The Division of Inorganic Chemistry of the American Chemical Society: Washington, DC, 2007; INOR 192.
93. "Polymethylhydrosiloxane (PMHS) in Pd Catalyzed Reactions with Acid Chlorides" Chong, W.; Lee, K.; Maleczka, R. E., Jr.; 233rd American Chemical Society National Meeting, March 25–29, Chicago, IL; The Division of Chemical Education of the American Chemical Society: Washington, DC, 2007; CHED 639.
94. "Enzymatic Kinetic Resolution of α -Silyl Alcohols" An, I.; Onyeozili, E. N.; Maleczka, R. E., Jr. 40th National Organic Chemistry Symposium, June 3–7, Durham, NC; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2007; Abstract No. A12.
95. "Synthesis of Water Stable Borane and Its Application in Hydroboration of Allylic Alcohols" Kallepalli, V. A.; Maleczka, R. E., Jr.; Smith, M. R., III 40th National Organic Chemistry Symposium, June 3–7, Durham, NC; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2007; Abstract No. B58.
96. "Allomerizations Toward the Synthesis of 3-Keto Petromyzonol Sulfate, A Potent Male Sea Lamprey Pheromone" Kim, S.-H.; Pellerito, A. M.; Maleczka, R. E., Jr. 40th National Organic Chemistry Symposium, June 3–7, Durham, NC; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2007; Abstract No. B65.
97. "Polymethylhydrosiloxane (PMHS) in Pd-Mediated Reactions with Acid Chlorides" Lee, K.; Maleczka, R. E., Jr. 40th National Organic Chemistry Symposium, June 3–7, Durham, NC; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2007; Abstract No. B85.
98. "Progress Toward the Total Synthesis of Autolytimycin, Part 1" Norberg, A. M.; Sanchez, L.; Shi, F.; Smith, M. R., III; Maleczka, R. E., Jr. 40th National Organic Chemistry Symposium, June 3–7, Durham, NC; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2007; Abstract No. C3.
99. "Progress Toward the Total Synthesis of Autolytimycin, Part 2" Sanchez, L.; Norberg, A. M.; Shi, F.; Smith, M. R., III; Maleczka, R. E., Jr. 40th National Organic Chemistry Symposium, June 3–7, Durham, NC; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2007; Abstract No. C4.
100. "Regioselective Synthesis and Application of 7-Borylated Indole Via Ir-Catalyzed C–H Activation/Borylation" Paul, S.; Maleczka, R. E., Jr.; Smith, M. R., III 40th National Organic Chemistry Symposium, June 3–7, Durham, NC; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2007; Abstract No. C69.
101. "The Kinetics of the Stille Reaction: Not So Simple After All" Torres, N. M.; Maleczka, R. E., Jr. 40th National Organic Chemistry Symposium, June 3–7, Durham, NC; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2007; Abstract No. D54.
102. "C–H Activation/Borylation/Amidation/Oxidation in the Theater of Total Synthesis: A Synthetic Approach to Autolytimycin" Norberg, A. M.; Sanchez, L. A.; Shi, F.; Smith, M. R., III; Maleczka, R. E., Jr. Boron in the Americas XI, Saint Louis University, Saint Louis, MO, June 4–8, 2008; Abstract No. OP7.
103. "Elaborating Thiophenes, Pyrroles, and Indoles" Kallepalli, V. A.; Chotana, G. A.; Paul, S.; Maleczka, R. E., Jr.; Smith, M. R., III Boron in the Americas XI, Saint Louis University, Saint Louis, MO, June 4–8, 2008; Abstract No. OP15.
104. "Developments toward a Green Stille Reaction" Torres, N. M.; Gallagher, W. P.; Maleczka, R. E., Jr. 12th Annual Green Chemistry & Engineering Conference, Washington, DC, June 24–26, 2008; Abstract No. 136.

CONTRIBUTED PRESENTATIONS (continued):

105. "Catalytic Borylation for Efficient Elaboration of Aromatic Compounds" Chotana, G. A.; Kallepalli, V. A.; Norberg, A. M.; Sanchez, L. A.; Vanchura, B. A.; Maleczka, R. E., Jr.; Smith, M. R., III 12th Annual Green Chemistry & Engineering Conference, Washington, DC, June 24–26, 2008; Abstract No. 161.
106. "Looking at the Stille Reaction by ¹¹⁹Sn NMR" Torres, N. M.; Maleczka, R. E., Jr. 236th American Chemical Society National Meeting, August 17–21, Philadelphia, PA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2008; ORGN 186.
107. "Progress Toward the Total Synthesis of Autolytimycin, Part 1" Norberg, A. M.; Sanchez, L.; Shi, F.; Smith, M. R., III; Maleczka, R. E., Jr. 70th Birthday Symposium for Professor Peter J. Wagner, Michigan State University, East Lansing, MI, October 10–11, 2008; Abstract No. 6.
108. "Progress Toward the Total Synthesis of Autolytimycin, Part 2" Sanchez, L.; Norberg, A. M.; Shi, F.; Smith, M. R., III; Maleczka, R. E., Jr. 70th Birthday Symposium for Professor Peter J. Wagner, Michigan State University, East Lansing, MI, October 10–11, 2008; Abstract No. 7.
109. "The Kinetics of the Stille Reaction: Not So Simple After All" Torres, N. M.; Maleczka, R. E., Jr. 70th Birthday Symposium for Professor Peter J. Wagner, Michigan State University, East Lansing, MI, October 10–11, 2008; Abstract No. 8.
110. "Iridium-catalyzed C–H Borylation: Recent Synthetic Advances" Kallepalli, V. A.; Preshlock, S. M.; Roosen, P. C.; Maleczka, R. E., Jr.; Smith, M. R., III 237th American Chemical Society National Meeting, March 22–26, Salt Lake City, UT; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2009; ORGN 170.
111. "Efficient Enzymatic Resolution of α -Hydroxysilanes Via Asymmetric Acetylation" An, I.; Onyeozili, E. N.; Maleczka, R. E., Jr. 41st National Organic Chemistry Symposium, June 7–11, Boulder, CO; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2009; Abstract No. B95.
112. "Wittig Rearrangements of Cyclic α -Silyl Allylic Ethers. Access to α -Silyl Pentenol Structures or α -Cyclopropyl Acylsilanes" Mori-Quiroz, L.; Maleczka, R. E. 41st National Organic Chemistry Symposium, June 7–11, Boulder, CO; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2009; Abstract No. D12.
113. "Progress Toward the Total Synthesis of Autolytimycin" Sanchez, L.; Norberg, A. M.; Shi, F.; Smith, M. R., III; Maleczka, R. E., Jr. 41st National Organic Chemistry Symposium, June 7–11, Boulder, CO; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2009; Abstract No. D13.
114. "Systematic Study of C-H Activation/Borylation" Preshlock, S.; Roosen, P.; Vogel, P.; Maleczka, R. E.; Smith, M. R., III 13th Annual Green Chemistry & Engineering Conference, College Park, MD, June 23–25, 2009; Abstract No. 67.
115. "Advancing Boron-based Methodologies via Application in Total Synthesis: A Synthetic Approach to Autolytimycin" Sanchez, L.; Norberg, A. M.; Shi, F.; Smith, M. R., III; Maleczka, R. E., Jr. Boron in the Americas XII, Michigan State University, East Lansing, MI, June 6–10, 2010; Abstract No. OP7.
116. "Ligand Modulated Regioselectivity in Iridium Catalyzed C–H Borylation Reactions" Fritz, J. A.; Chotana, G. A.; Miller, S. L.; Maleczka, R. E., Jr.; Smith, M. R., III Boron in the Americas XII, Michigan State University, East Lansing, MI, June 6–10, 2010; Abstract No. OP26.
117. "Systematic Study of Precatalysts and Ligands Used in C–H Activation/Borylation" Preshlock, S.; Roosen, P.; Vogel, P.; Maleczka, R. E.; Smith, M. R., III Boron in the Americas XII, Michigan State University, East Lansing, MI, June 6–10, 2010; Abstract No. P14.
118. "Synthesis and Suzuki Coupling of B/Sn Bimetallic Arenes" Li, H.; Smith, M. R., III; Maleczka, R. E., Jr. Boron in the Americas XII, Michigan State University, East Lansing, MI, June 6–10, 2010; Abstract No. P15.

CONTRIBUTED PRESENTATIONS (continued):

119. "Wittig Rearrangements of C-Silyl Substituted Allyl Ethers and Allied Reactions" Mori-Quiroz, L.; Onyeozili, E. N.; Maleczka, R. E., Jr. 57th Gordon Research Conference on Organic Reactions and Processes, Bryant University, Smithfield, RI, July 18–23, 2010.
120. "Catalytic Borylations in the Preparation of Novel Synthetic Building Blocks" Maleczka, R. E., Jr.; Fritz, J.; Herrinton, P.; Li, H.; Miller, S. L.; Preshlock, S. M.; Roosen, P. C.; Sanchez, L.; Smith, M. R., III; Zahn, T. 3rd International Symposium on Green Processing in the Pharmaceutical and Fine Chemical Industries, 2010, University of Massachusetts Boston, Boston, MA, September 29 – October 1; Poster 17.
121. "Green Chemistry for the Preparation of Pharmaceutical Building Blocks" Maleczka, R. E., Jr. *Green Up* the 2nd Michigan Green Chemistry Conference, East Lansing, MI, October 20, 2010.
122. "Development of a One-Pot Allylation-Hydrostannation Sequence that Involves an In Situ Recycling of Tin Waste" Ghosh, B.; Maleczka, R. E., Jr. *Green Up* the 2nd Michigan Green Chemistry Conference, East Lansing, MI, October 20, 2010.
123. "Catalytic Borylations in the Preparation of Novel Synthetic Building Blocks" Maleczka, R. E., Jr.; Fritz, J.; Herrinton, P.; Li, H.; Miller, S. L.; Preshlock, S. M.; Roosen, P. C.; Sanchez, L.; Smith, M. R., III; Zahn, T. *Green Up* the 2nd Michigan Green Chemistry Conference, East Lansing, MI, October 20, 2010.
124. "Effect of the Silicon Group on the Stereo- and Regioselectivity of Wittig Rearrangements of Silyl-Substituted Cyclic Allylic Ethers" Mori-Quiroz, L. M.; Maleczka, R. E., Jr. 241st American Chemical Society National Meeting, March 27–31, Anaheim, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2011; ORGN 123.
125. "Electronic Effects on C–H Borylation" Smith, M. R., III; Roosen, P. C.; Fritz, J.; Preshlock, S. M.; Maleczka, R. E., Jr.; Singleton, D. A. 241st American Chemical Society National Meeting, March 27–31, Anaheim, CA; The Division of Inorganic Chemistry of the American Chemical Society: Washington, DC, 2011; INOR 486.
126. "Factors Controlling Selectivities in Wittig Rearrangements of α - and γ -Silyl Allylic Benzyl Ethers" Mori-Quiroz, L. M.; Onyeozili, E.; Maleczka, R. E., Jr. 42nd National Organic Chemistry Symposium, June 5–9, Princeton, NJ; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2011; Abstract No. A-58.
127. "Synthesis and Suzuki Coupling of B/Sn Bimetallic Arenes" Li, H.; Maleczka, R. E., Jr. 42nd National Organic Chemistry Symposium, June 5–9, Princeton, NJ; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2011; Abstract No. B-47.
128. "Palladium-Catalyzed Hydrogenolysis Of Secondary Amines" Amado-Sierra, M. R. I.; Maleczka, R. E., Jr. 42nd National Organic Chemistry Symposium, June 5–9, Princeton, NJ; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2011; Abstract No. B-49.
129. "Taking advantage of promiscuous reactions" Krska, S. W.; Maleczka, R. E., Jr.; Maligres, P. E.; Smith, M. R., III 242nd American Chemical Society National Meeting, August 28–September 1, Denver, CO; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2011; ORGN 6.
130. "Palladium-catalyzed PMHS/KF Reductions of Imines" Amado-Sierra, M. R. I.; Maleczka, R. E., Jr. 242nd American Chemical Society National Meeting, August 28–September 1, Denver, CO; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2011; ORGN 142.
131. "Palladium-catalyzed PMHS/KF Reductions of C–N Bonds" Amado-Sierra, M. R. I.; Maleczka, R. E., Jr. *Green Up* the 3rd Michigan Green Chemistry Conference, Ann Arbor, MI, October 27, 2011; Poster 17.

CONTRIBUTED PRESENTATIONS (continued):

132. "Cross-Couplings that Avoid the Preparation of Haloaromatics: The Development of a One-Pot C–H Activation/Borylation/Suzuki Reaction with Imidazolylsulfonates as the Electrophilic Partner" Perera, D.; Smith, M. R., III; Albaneze-Walker, J.; Maleczka, R. E., Jr. *Green Up* the 3rd Michigan Green Chemistry Conference, Ann Arbor, MI, October 27, 2011; Poster 18.
133. "Synthesis and Suzuki Coupling of B/Sn Bismetallic Arenes" Li, H.; Smith, M. R., III; Maleczka, R. E., Jr. Boron in the Americas XIII, Purdue University, West Lafayette, IN, June 3–6, 2012; Abstract No. O-07.
134. "One-Pot C–H Activation/Borylation/Suzuki Reaction with Imidazolylsulfonate Electrophiles Partner" Perera, D.; Smith, M. R., III; Albaneze-Walker, J.; Maleczka, R. E., Jr. Boron in the Americas XIII, Purdue University, West Lafayette, IN, June 3–6, 2012; Abstract No. P-06.
135. "A Catalytic Borylation Route to TMC-95 and Related Studies" Shen, F.; Sanchez, L.; Miller, S. L.; Smith, M. R., III; Maleczka, R. E., Jr. Boron in the Americas XIII, Purdue University, West Lafayette, IN, June 3–6, 2012; Abstract No. P-06.
136. "Systematic Investigation / Optimization of C–H Borylation" Preshlock, S.; Maligres, P. E.; Krska, S. W.; Maleczka, R. E.; Smith, M. R., III 16th Annual Green Chemistry & Engineering Conference, Washington, DC, June 18–20, 2012; Abstract No. 165.
137. "Development of a One-Pot C–H Activation/Borylation/Suzuki Reaction with Imidazolylsulfonates as the Electrophiles Partner" Perera, D.; Smith, M. R., III; Albaneze-Walker, J.; Maleczka, R. E., Jr. 244th American Chemical Society National Meeting, August 19–23, Philadelphia, PA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2012; ORGN 624.
138. "Ligand Effects in C–H Borylation" Smith, M. R.; Chotana, G. A.; Fritz, J. A.; Miller, S. L.; Maleczka, R. E. 245th American Chemical Society National Meeting, April 7–11, New Orleans, LA; The Division of Inorganic Chemistry of the American Chemical Society: Washington, DC, 2013; INOR 526.
139. "Traceless Directing Group for C–H Borylation" Smith, M. R.; Preshlock, S.; Plattner, D. L.; Maleczka, R. E. 245th American Chemical Society National Meeting, April 7–11, New Orleans, LA; The Division of Inorganic Chemistry of the American Chemical Society: Washington, DC, 2013; INOR 1141.
140. "Carbon-to-Carbon [1,2]-Silyl Migration in Alpha Silyl Allylic Alcohols Triggered by Epoxidation" Amado-Sierra, M. R. I.; Mori-Quiroz, L.; Maleczka, R. E., Jr. 44th ACS Central Regional Meeting, May 15–17, Central Michigan University, Mount Pleasant, MI, 2013; CERM 128.
141. "PMHS as a Reductant in Metal-Catalyzed Hydrostannations" Baker, A. J.; Ghosh, B.; Maleczka, R. E., Jr. 44th ACS Central Regional Meeting, May 15–17, Central Michigan University, Mount Pleasant, MI, 2013; CERM 129.
142. "Selective Borylation of sp² C-H Bonds that are Ortho or Meta to Sterically Diminutive Substituents" Miller, S. L.; Chotana, A. G.; Fritz, J. A. Maleczka, R. E., Jr.; Smith, M. R., III 44th ACS Central Regional Meeting, May 15–17, Central Michigan University, Mount Pleasant, MI, 2013; CERM 159.
143. "Discovery and Development of Catalytic Deborylations" Shen, F.; Krska, S. W.; Maleczka, R. E., Jr.; Maligres, P. E.; Perera, D.; Smith, M. R., III 44th ACS Central Regional Meeting, May 15–17, Central Michigan University, Mount Pleasant, MI, 2013; CERM 185.
144. "Probing the Regioselectivity of Catalytic Arene C–H Borylations" Li, H.; Maleczka, R. E., Jr.; Oppenheimer, J.; Smith, M. R., III 44th ACS Central Regional Meeting, May 15–17, Central Michigan University, Mount Pleasant, MI, 2013; CERM 186.
145. "Carbon-to-Carbon [1,2]-Silyl Migration in Alpha Silyl Allylic Alcohols Triggered by Epoxidation" Amado-Sierra, M. R. I.; Mori-Quiroz, L.; Maleczka, R. E., Jr. 43rd National Organic Chemistry Symposium, June 23–27, Seattle, WA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2013; Abstract No. M-40.

CONTRIBUTED PRESENTATIONS (continued):

146. "Discovery and Development of Catalytic Deborylations" Shen, F.; Krska, S. W.; Maleczka, R. E., Jr.; Maligres, P. E.; Perera, D.; Smith, M. R., III 43rd National Organic Chemistry Symposium, June 23–27, Seattle, WA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2013; Abstract No. M-51.
147. "Probing the Regioselectivity of Catalytic Arene C–H Borylations" Li, H.; Maleczka, R. E., Jr.; Oppenheimer, J.; Smith, M. R., III 43rd National Organic Chemistry Symposium, June 23–27, Seattle, WA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2013; Abstract No. T-74.
148. "CH Activation Program, a Dow Chemical Company University Partnership Initiative with MSU" Oppenheimer, J.; Maleczka, R. E.; Smith, M. R.; Li, H.; Sabasovs, D. 246th American Chemical Society National Meeting, September 8–12, Indianapolis, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2013; ORGN 381.
149. "Discovery and Development of Catalytic Deborylations" Maleczka, R. E., Jr. *Green Up* the 2013 Michigan Green Chemistry and Engineering Conference, Grand Rapids, MI, October 24, 2013.
150. "Silyl Chelating Ligands for Directed C–H Borylation" Ghaffari, B.; Preshlock, S.; Maleczka, R. E.; Krska, S. W.; Smith, M. R. 247th American Chemical Society National Meeting, March 16–20, Dallas, TX; The Division of Inorganic Chemistry of the American Chemical Society: Washington, DC, 2014; INOR 527.
151. "C-H Borylation: Gateway to Molecular Diversity" Krska, S. W.; Cernak, T.; Dermenjian, R.; Dykstra, K.; Ghaffari, B.; Liu, Y.; Maligres, P.; Moore, K.; Parish, C.; Perera, D.; Plattner, D.; Preshlock, S.; Reibarkh, M.; Shen, F.; Streckfuss, E.; Tyagarajan, S.; Vachal, P.; Maleczka, R.; Smith, M. 18th Annual Green Chemistry & Engineering Conference, June 17–19, North Bethesda, MD, 2014, Talk No. 63.
152. "Selective C-H Activation Borylation Ortho to Fluorine on Fluoroaromatic Systems" Oppenheimer, J.; Smith, M. R., III; Maleczka, R. E., Jr.; Li, H.; Sabasovs, D.; Jayasundara, C. 18th Annual Green Chemistry & Engineering Conference, June 17–19, North Bethesda, MD, 2014, Talk No. 64.
153. "Directed C–H Borylation with N and P Donor Ligands Bearing Pendant Silanes" Ghaffari, B.; Staples, R. J.; Maligres, P.; Krska, S. W.; Maleczka, R. E., Jr.; Smith, M. R., III 248th American Chemical Society National Meeting, August 10–14, San Francisco, CA; The Division of Inorganic Chemistry of the American Chemical Society: Washington, DC, 2014; INOR 754.
154. "Pinacolborane: A Traceless Protecting and Directing Group for Ir-Catalyzed Ortho-Selective Borylation of Phenols" Chattopadhyay, B.; Gore, K. A.; Maleczka, R. E., Jr.; Smith, M. R., III 248th American Chemical Society National Meeting, August 10–14, San Francisco, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2014; ORGN 604.
155. "Regioselectivity Studies in Iridium-Catalyzed Borylations of Arenes" Sabasovs, D.; Oppenheimer, J.; Maleczka, R. E., Jr.; Smith, M. R., III 248th American Chemical Society National Meeting, August 10–14, San Francisco, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2014; ORGN 668.
156. "Merging C-H Borylations with Organoindium Cross-Couplings: A New Route to Borylated Biaryls" Jayasundara, C. K. R.; Martínez, M. M.; Sestelo, J. P.; Smith, M. R., III; Maleczka, R. E., Jr. 44th National Organic Chemistry Symposium, June 28–July 2, College Park, MD; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2015; Abstract No. W-30.
157. "Routes Toward the Synthesis of High Performance Thermosetting Double-Decker Silsesquioxane (DDSQ) Functionalized Oligoimides" Attanayake, G.; Vogelsang, D.; Schoen, B.; Lee, A.; Maleczka, R. E., Jr. 44th National Organic Chemistry Symposium, June 28–July 2, College Park, MD; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2015; Abstract No. W-51.

CONTRIBUTED PRESENTATIONS (continued):

158. "Reversible Borylene Formation from Ring Opening of Pinacolborane and Other Intermediates Generated from Five-Coordinate Tris-Boryl Complexes: Implications for Catalytic C–H Borylation" Ghaffari, B.; Vanchura, B. A., II; Chotana, G. A.; Staples, R. J.; Holmes, D.; Maleczka, R. E., Jr.; Smith, M. R., III 8th Annual Negishi-Brown Symposium, Purdue University, West Lafayette, IN; July 12–14, 2015.
159. "Ir catalyzed C–H borylation: A potent tool for drug discovery and medicinal chemistry" Li, H.; Kallepalli, V. A.; Chattopadhyay, B.; Gore, K. A.; Plattner, D. L.; Maleczka, R. E., Jr.; Smith, M. R., III Cutting Edge/Drug Discovery & Development in Michigan, East Lansing, MI; MichBio & the University Research Corridor: Lansing, MI; September 9–10, 2015.
160. "Tuning Five-coordinate Trisboryl Iridium Catalyst Reactivity Through Ligand Modification" Ghaffari, B.; Vanchura, B. A.; Chotana, G. A.; Maleczka, R. E.; Smith, M. R. 251st American Chemical Society National Meeting, March 13–17, San Diego, CA; The Division of Inorganic Chemistry of the American Chemical Society: Washington, DC, 2016; INOR 353.
161. "Tuning Five-coordinate Trisboryl Iridium Catalyst Reactivity Through Ligand Modification" Ghaffari, B.; Miller, S. L.; Dannatt, J. E.; Maleczka, R. E., Jr.; Smith, M. R., III Gordon Research Conference on Inorganic Chemistry, University of New England, Biddeford, ME, June 19–24, 2016.
162. "Methods to and Uses of Selective C–H Activation Borylation" Jayasundara, C. R. K.; Martínez, M. M.; Sestelo, J. P.; Oppenheimer, J.; Smith, M. R., III; Maleczka, R. E., Jr. 7th Graduate Research Symposium, Bryn Mawr College, Bryn Mawr, PA, July 28–31, 2016.
163. "Escaping Flatland: C-H Borylation/Hydrogenation of Heteroaromatic and Allied Compounds" Shannon, T.; Maleczka, R.; Smith, M. 252nd American Chemical Society National Meeting, August 21–25, Philadelphia, PA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2016; ORGN 218.
164. "Ir catalyzed regioselective C–H borylation of arenes and the scale up" Li, X.; Oppenheimer, J.; Li, H.; Jayasundara, C.; Maleczka, R.; Smith, M. 252nd American Chemical Society National Meeting, August 21–25, Philadelphia, PA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2016; ORGN 468.
165. "Developing Palladium Free Syntheses of Anhydride and Allied Phenylethynyls" Smith, K.; Baker, A. J.; Maleczka, R. E., Jr. 16th Annual Biomedical Research Conference for Minority Students, November 9–12, Tampa, FL; American Society For Microbiology: Washington, DC, 2016; Poster A091.
166. "Investigating Reactivity, Structure and Reusability of An Insoluble Iridium Catalyst for C–H Borylations" Jayasundara, C. R. K.; Maleczka, R. E., Jr.; Smith, M. R., III; Oppenheimer, J. 253rd American Chemical Society National Meeting, April 2–6, San Francisco, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2017; ORGN 424.
167. "CH Borylation Potpourri" Jayasundara, C. R. K.; Sestello, J. P.; Oppenheimer, J.; Smith, M. R., III; Maleczka, R. E., Jr. Gordon Research Conference on Organic Reactions & Processes, July 23–28, 2017, Stonehill College, Easton, MA.
168. "Silsequioxanes with Phenylethynyl Terminated Oligoimides" Lee, A.; Dannatt, J.; Maleczka, R. E. American Society for Composites 32nd Annual Technical Conference, October 22–25, 2017, Purdue University, West Lafayette, IN.
169. "Separation of Double-Decker Silsesquioxanes Condensed with Multiple Functional Groups" Vogelsang, D.; Dunk, P.; Maleczka, R.; Lee, A. Y. 2017 AIChE Annual Meeting, October 29–November 3, 2017, Minneapolis, MN.
170. "Achieving Exquisite Ortho Selectivity in Phenol and Aniline C–H Borylation (CHB) by Optimizing Weak Interactions" Dannatt, J. E.; Andujar-De Sanctis, I. L.; Bisht, R.; Chattopadhyay, B.; Ghaffari, B.; Gore, K. A.; Haldar, C.; Maleczka, R. E., Jr.; Pandey, G.; Singleton, D. A.; Smith, M. R., III; 7th Graduate Research Symposium, July 26–29, 2018, Indiana University, Bloomington, IN.

CONTRIBUTED PRESENTATIONS (continued):

171. "Teaching Organic Chemistry in WORDS" Shen, F.; Maleczka, R. E. 2018 Biennial Conference on Chemical Education, University of Notre Dame, South Bend, IN, PA, July 29 – August 2, 2018; P30.
172. "Improved methods for ortho selective iridium catalyzed C–H borylations of anilines" Montero, J. R.; Lee, S.; Ghaffari, B.; Smith, M. R., III; Maleczka, R. E., Jr. 40th Anniversary Cisplatin Celebration & Scientific Symposium, August 3–4, 2018; Michigan State University, East Lansing, MI.
173. "Model study of the total synthesis of TMC 95A" Shen, F.; Sanchez, L.; Smith, M. R., III; Maleczka, R. E. 40th Anniversary Cisplatin Celebration & Scientific Symposium, August 3–4, 2018; Michigan State University, East Lansing, MI.
174. "Improved methods for ortho selective iridium catalyzed C–H borylations of anilines" Montero, J. R.; Lee, S.; Ghaffari, B.; Smith, M. R.; Maleczka, R. E. 252nd American Chemical Society National Meeting, August 19–23, Boston, MA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2018; ORGN 125.
175. "Hydrazone derived iridium catalysts for regioselective C–H borylations between sterically similar sites" Dannatt, J. E.; Miller, S. L.; Ghaffari, B.; Smith, M. R.; Maleczka, R. E. 252nd American Chemical Society National Meeting, August 19–23, Boston, MA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2018; ORGN 126.
176. "Hybrid structured phenylethynyl silsesquioxane resin composites" Lee, A.; Vogelsang, D.; Dannatt, J.; Maleczka, R. Proceedings of the American Society for Composites 33rd Technical Conference; Ed. Waas, E., September 24–26, 2018; Seattle, WA.
177. "Recent studies on [1,2] and [1,4] Wittig rearrangements of α -alkoxy allyl silanes" Maloba, E. W.; Maleczka, R. E. 50th ACS Central Regional Meeting (CERM), June 4–8, 2019, Midland, MI; CERM 58.
178. "Diboron-mediated reductive couplings of imines: Observation of novel diastereoselectivity" Fornwald, R.; Smith, M. R.; Maleczka, R. E. 50th ACS Central Regional Meeting (CERM), June 4–8, 2019, Midland, MI; CERM 62.
179. "Mechanistic investigation of shifts in steric selectivity in the catalytic C-H borylation of arenes and heteroarenes bearing small substituents" Miller, S. L.; Chotana, G. A.; Fritz, J. A.; Chattopadhyay, B.; Maleczka, R. E.; Smith, M. R. 50th ACS Central Regional Meeting (CERM), June 4–8, 2019, Midland, MI; CERM 66.
180. "Modification of a steric-directed to a chelate-directed catalyst for C–H borylation using B, N-bidentate ligands" O'Connell, A.; Smith, M. R.; Maleczka, R. E. 50th ACS Central Regional Meeting (CERM), June 4–8, 2019, Midland, MI; CERM 68.
181. "Predictive separation by liquid chromatography for mixtures of functionalized double-decker shaped silsesquioxanes" Patil, A. N.; Vogelsang, D.; Dannatt, J.; Lee, A.; Maleczka, R. E. 50th ACS Central Regional Meeting (CERM), June 4–8, 2019, Midland, MI; CERM 69.
182. "Balancing activity and regioselectivity in ortho C-H borylations of phenols and anilines by modulating the diboron partner" Montero, J. R.; Lee, S.; Ghaffari, B.; Smith, M. R.; Maleczka, R. E. 50th ACS Central Regional Meeting (CERM), June 4–8, 2019, Midland, MI; CERM 106.
183. "Ortho-selective iridium catalyzed C–H borylation of phenols and anilines: A path from an unusual result to exquisite selectivity" Dannatt, J. E.; Andujar-De Sanctis, I. L.; Bisht, R.; Chattopadhyay, B.; Ghaffari, B.; Gore, K. A.; Halder, C.; Pandey, G.; Maleczka, R. E., Jr.; Singleton, D. A.; Smith, M. R., III 46th National Organic Chemistry Symposium, June 23–27, Bloomington, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2019; Poster S-19.
184. "Teaching organic chemistry without structures! (not really, but hearing so makes organic chemists curious if not incredulous)" Shen, F.; Maleczka, R. E., Jr. 46th National Organic Chemistry Symposium, June 23–27, Bloomington, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2019; Poster T-34

CONTRIBUTED PRESENTATIONS (continued):

185. "A general diversity oriented synthesis of asymmetric double-decker shaped silsesquioxane" Barry, B.-D.; Dannatt, J. E.; King, A. K.; Lee, A.; Maleczka, R. E., Jr. 46th National Organic Chemistry Symposium, June 23–27, Bloomington, IN; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2019; Poster W-4.
186. "Teaching organic chemistry without structures! (not really, but hearing so makes organic chemists curious if not incredulous)" Shen, F.; Maleczka, R. E., Jr. HHMI Gateway Summit, December 17, 2019; Michigan State University, East Lansing, MI; Poster 15.
187. "Para selective iridium catalyzed CH borylation of sulfates and sulfamates directed by ion-pair electrostatic interactions" Montero, J. R.; Oleskey, T. J.; Miller, S. L.; Smith, M. R.; Maleczka, R. E. Spring 2020 American Chemical Society National Meeting, March 22–26, Philadelphia, PA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2020; ORGN 829 (meeting cancelled owing to COVID-19); Presentation made at the 2020 ACS Fall Virtual National Meeting, August 17–20, 2020.
188. "Recent studies on Wittig rearrangements of 2-silyl-5,6-dihydro-6-aryl-(2*H*)-pyrans and 4-silyl-5,6-dihydro-6-aryl(alkyl)-(2*H*)-pyrans" Maloba, E. W.; Mori-Quiroz, L. M.; Maleczka, R. E. Fall 2021 American Chemical Society National Meeting, August 22–26, Atlanta, GA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2021; ORGN 3589341 (virtual).
189. "Asymmetrically functionalized bird nest shaped silsesquioxane disilanols from double decker oligomeric silsesquioxanes (DDSQ)" Barry, B.-D.; King, A. K.; Lee, A.; Maleczka, R. E. Fall 2021 American Chemical Society National Meeting, August 22–26, Atlanta, GA; The Division of Division of Polymeric Materials: Science and Engineering of the American Chemical Society: Washington, DC, 2021; PMSE 3595112 (virtual).
190. "Remote iridium-catalyzed C–H borylation directed by steric shields via inter- and intramolecular hydrogen bonding" Montero Bastidas, J. R.; Oleskey, T. J.; Feng, Y.; Miller, S. L.; Smith, M. R.; Maleczka, R. E.; Chhabra, A. Fall 2021 American Chemical Society National Meeting, August 22–26, Atlanta, GA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2021; ORGN 3588110 (virtual).
191. "Steric shielding induced para-selective borylation of heteroaromatic and aromatic compounds" Chhabra, A.; Montero Bastidas, J. R.; Feng, Y.; Oleskey, T. J.; Smith, M. R.; Maleczka, R. E.; Fall 2021 American Chemical Society National Meeting, August 22–26, Atlanta, GA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2021; ORGN 3592082 (virtual).
192. "Studies on [1,2]-carbon to carbon silyl migration of α -hydroxy allyl silanes: a new access to α -silyl ketones and aldehydes" Maloba, E. W.; Mori-Quiroz, L. M.; Amado-Sierra, M. R. I.; Al Masraf, N.; Maleczka, R. E.; Spring 2022 American Chemical Society National Meeting, March 20–24, San Diego, CA; The Division of Organic Chemistry of the American Chemical Society: Washington, DC, 2022; ORGN 3661276.

Ph.D. DEGREES AWARDED:

1. Baoyu Mi "Synthetic Studies Towards the Phomactins" (2000).
2. Feng Geng "Synthetic and Mechanistic Investigations of the Wittig Rearrangement and Synthetic Studies Towards Amphidinolide A" (2001).
3. Lamont R. Terrell "The Total Synthesis of the Assigned Structure of Amphidinolide A" (2001).
4. Joseph S. Ward, III "The Total Synthesis of the Proposed Structure of Amphidinolide A" (2002).
5. Erik L. Ruggles "Chlorinative Rearrangements of Bicyclic and Monocyclic Carbinols Via the Action of Bleach and Vinegar" (2003).
6. William P. Gallagher "Stille Couplings Catalytic in Tin and Related Reactions" (2003).
7. Jérôme M. Lavis "Improving the Stille Reaction From Rate Enhancement to Germanium" (2005).

Ph.D. DEGREES AWARDED (continued):

8. Edith N. Onyeozili “Studies on the Mechanism of the 1,4-Wittig Rearrangement” (2005).
9. Ronald J. Rahaim, Jr. “Application of Palladium Nanoparticles in the Reduction of Organic Functional Groups” (2006).
10. Feng Shi “Synthetic Applications of Iridium-Catalyzed Aromatic C–H Borylation” (2007).
11. Andrea Pellerito “Exploration of the In Situ Generation and Use of Trialkyltin Hydrides and the Synthesis of Sea Lamprey Pheromones” (2007).
12. Kyoungsoo Lee “Development of One Pot Pd-Mediated Reactions & A Synthetic Approach to Monocillin I” (2008).
13. Jill A. Muchnj “Preparation of Vinyl Stannanes, their Subsequent Reactions, and Chemistry Developed Therein” (2008).
14. Nicole M. Torres “Studies of the Stille Reaction Using ¹¹⁹Tin NMR and Related Reactions” (2009).
15. Anna Monica Norberg “Synthetic Approach to Autolytmycin & Related Synthetic Endeavors” (2010).
16. Ilhwan An “Preparation of Optically active α -Hydroxysilanes” (2010).
17. Soong-Hyun Kim “Synthesis of Male Sea Lamprey Pheromones via Allomerizations” (2010).
18. Banibrata Ghosh “Synthesis of Vinylstannanes with In Situ Generated Organotin Hydrides” (2010).
19. Luis Sanchez “A Catalytic Borylation-Based Approach to Autolytmycin and Allied Studies” (2010).
20. Luis M. Mori-Quiroz “Factors Determining Selectivities in [1,2]- and [1,4]-Wittig Rearrangements of Silyl Allyl Ethers and Related Studies” (2012).
21. Maria del Rosario Ivette Amado Sierra “Developing New Synthetic Methods Involving Organosilane Reagents and Reactants” (2015).
22. Hao Li “Studies of Sn/B Bimetallic Arenes, Electronic-Driven Aromatic C-H Borylation Catalyzed by Ir-Electron Deficient Bipyridine Ligands, and Desymmetrization of Diboryl Aromatics” (2016).
23. Aaron Baker “Organometallic Reactions with Main Group Elements Boron, Tin, and Germanium” (2016).
24. Susanne L. Miller “Part A: Iridium Catalyzed C–H Borylation of Arenes; Engineering Selectivity by Ligand Design. Part B: Z-Selective Palladium Catalyzed Cross-Coupling of E-Vinyl Germanes” (2017).
25. Damith Perera “Telescoping C–H Borylations with Photoredox and Imidazolylsulfonate Chemistry: A Way to Avoid Haloaromatics and Potentially Genotoxic Impurities in Suzuki Reactions” (2018).
26. Chathurika Ruwanthi Kumarihami Jayasundara “Iridium Catalyzed C–H Activation Borylation of Fluorine Bearing Arenes and Related Studies” (2018).
27. Fangyi Shen “Allied Studies on Total Synthesis of Cyclic Tripeptide TMC-95 via an Iridium Catalyzed Borylation/Deborylation Strategy and Teaching Organic Chemistry in ‘WORDS’” (2019).
28. Jonathan E. Dannatt “Advancing Frontiers in Reactive and Selective Iridium C–H Borylation Catalysts and Targeted Silsesquioxane Synthesis” (2019).
29. Jose Raul Montero Bastidas “Overcoming Regioselectivity Challenges in Iridium-catalyzed C–H Borylation via Noncovalent Interactions and Advances on Cross-Coupling Reactions of Aryl Imidazolylsulfonates” (2021).

Ph.D. DEGREES AWARDED (continued):

30. Badru-Deen Barry “Pathways to Functionalized Siloxanes from Polyhedral Oligomeric Silsesquioxanes” (2021).

M.S. DEGREES AWARDED:

1. Michael B. Rice “A Regioselectivity Study of Hydrostannylation Reactions on Terminal Alkynes with Oxygen Functionalities in Close Proximity” (1999).
2. Ronald J. Rahaim, Jr. “Palladium Catalyzed Reductions by Fluoride Activated Polymethylhydrosiloxane (PMHS)” (2002).
3. Paramita Mukherjee “Application of Palladium Nanoparticles for the Reduction of Nitrogen Containing Functional Groups” (2009).
4. Maria del Rosario Ivette Amado-Sierra “Palladium-Catalyzed PMHS Reductions of Imines” (2011).
5. Fangyi Shen “Discovery and Development of Bismuth Salt Mediated Catalytic Deborylation and Allied Studies” (2015).
6. Gayanthi Attanayake “Studies of Different Routes to Develop Asymmetric Double Decker Silsesquioxane (DDSQ)” (2015).
7. Badru-Deen Barry “Routes to Silsesquioxanes Functionalization – Capping of DDSQs for the Synthesis of Asymmetric POSS Compounds” (2019).