

RICHARD E. TAYLOR; Ph.D.
Researcher, Mentor, Teacher, & Administrator

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305 McCourtney Hall
Department of Chemistry
Biochemistry
University of Notre Dame
Notre Dame, IN 46556-5670

EXPERIENCE

2017-present **Interim Director; Notre Dame – California**

Develop, support and promote the University's California programs, building our presence with primary focus on undergraduate curricular experiences, graduate degree programs, collaborative research programs, research innovation, commercialization, and enterprise development, and California-based University infrastructure; assist with communications, alumni relations, career and internship placement, and admissions.

2014-present **Program Director, Rare Disease Research and Development, Warren Center**

2014-2017 **Acting Director of the Warren Center for Drug Discovery and Development**

The Center's objective is to promote and support promising drug discovery research across the campus. The Center facilitates collaborative translational research across our campus and is an important resource for our biomedically-focused centers such as the Harper Cancer Institute, the Eck Family Institute for Global Health, and the Boler-Parseghian Center for Rare and Neglected Diseases.

2013-present **Director, Molecular Therapeutics Program, Indiana CTSI**

The objective of the MTP is to promote and support promising early stage drug discovery research across the three universities in the State of Indiana.

2013-2016 **Associate Vice President for Research, University of Notre Dame**

Assists in the strategic research planning efforts of the Office of the Vice President for Research, engages faculty in multidisciplinary research and promotes collaborations across the University and with external research partners; supports the Strategic Research Initiatives, oversees strategic research communications within the OVPR (1 direct report) and directs the internal grants program, the limited submission competitions, and university research space committee including McCourtney Hall Project Manager; serves as a liaison between faculty researchers and the university's proposal development and federal relations teams; acts as a liaison between the university and statewide biomedical programs such as the Indiana CTSI, Indiana Biomedical Sciences Institute and the Indiana Health Industry Forum.

2009-2019 **Deputy Director, Indiana Clinical and Translational Sciences Institute**

The Indiana CTSI is a member of a national network of 61 CTSA-funded organizations across the United States. In 2013, the Indiana CTSI received a competitive renewal providing an additional \$30M to continue its efforts for the next five years. The local director oversees an administrative structure designed to strengthen and support the entire spectrum of translational research from scientific discovery to improved patient care.

2013-2016 **Naughton Fellowships Program Director**

The program provides fellowship to support Notre Dame students and students from several universities in Ireland to experience international education in the STEM (science, technology, engineering and mathematics) disciplines. The program supports undergraduates as well as Ph.D. and M.S. students.

2012-2017 **Faculty Director of the Chemical Synthesis and Drug Discovery Facility**

- 2011-present **Principal Investigator; Harper Cancer Research Institute**
- 2008-2013 **Associate Dean for Research, College of Science**
Assists in the strategic planning efforts of the College of Science, engages faculty in multidisciplinary research and assist in forming collaborations across the University and with external research partners, promotes entrepreneurial activities. College's primary liaison to the ND-Research and the Graduate School. Oversees the College's computing support resources (1 direct report, four staff members).
- 2004-present **Professor of Chemistry & Biochemistry**
Expertise in the area of synthesis, conformational analysis and polyketide biosynthesis to fully investigate the therapeutic potential of a structurally complex natural products. Efforts have spanned methodology development for asymmetric synthesis, natural product structural elucidation, total synthesis, analoging, and biological studies with the goal of identifying new leads for cancer, infectious disease, and rare disease.
- 2001-2004 Associate Professor of Chemistry & Biochemistry *University of Notre Dame*
- 2001-2006 Director of Graduate Studies *Department of Chemistry & Biochemistry*
- 1999-2009 Founding member and Principal Investigator *Walther Cancer Research Center*
- 1995-2001 Assistant Professor of Chemistry & Biochemistry *University of Notre Dame*
- 1992-1995 Merck Postdoctoral Associate *Stanford University* (Paul A. Wender)

EDUCATION

- 2011 Certificate, Executive Management; Mendoza College of Business (Notre Dame)
- 1992 Ph.D.; Rensselaer Polytechnic Institute (Art Schultz)
- 1987 B.S.; State University of New York, Oswego Chemistry (*cum laude*)

HONORS AND AWARDS

- 2017 The Faculty Award (University of Notre Dame)
- 2016 Elected Council Delegate, AAAS Pharmaceutical Sciences Division
- 2016 Selected to NIH Training Program in Neurotherapeutics Drug Discovery
- 2010 5th Annual Negishi-Brown Lectures; Plenary Speaker
- 2010 Fellow of the American Association for the Advancement of Science (AAAS)
- 2007 Silveira Distinguished Lectureship, State University of New York, Oswego
- 2007 Rev. Edmund P. Joyce Award for Excellence in Undergraduate Teaching
- 2005 Inaugural Leo Paquette Symposium, Plenary Lecturer, The Ohio State University
- 2005 Merck Unrestricted Research Award
- 2002 Kaneb Teaching Award
- 2002 Student Selected Research and Career Lectureship; Harvard University
- 2001 Eli Lilly Grantee Award
- 1998 Dean of Science Recognition for Outstanding Undergraduate Teaching
- 1998-2002 National Science Foundation Early Career Award
- 1992-1994 Merck ADP Postdoctoral Fellowship
- 1987 American Institute of Chemists National Senior Award
- 1986 Pearle Monroe Scholarship for Outstanding Junior Chemistry Major

GRADUATE TEACHING (Overall Perception of Teaching; enrollment)

Fall 1995:	CHEM 639: Synthetic Organic Chemistry	3 credit hours (TCE 3.65/4.00; 9)
Fall 1996:	CHEM 639: Synthetic Organic Chemistry	3 credit hours (TCE 3.89/4.00; 7)
Fall 1997:	CHEM 639: Synthetic Organic Chemistry	3 credit hours (TCE 3.54/4.00; 7)
Fall 1998:	CHEM 639: Synthetic Organic Chemistry	3 credit hours (TCE 3.20/4.00; 12)
Spring 1999:	CHEM 638: Organic Spectroscopy	3 credit hours (TCE 3.47/4.00; 12)
Fall 2000:	CHEM 639: Synthetic Organic Chemistry	3 credit hours (TCE 3.80/4.00; 8)
Fall 2001	CHEM 639: Synthetic Organic Chemistry	3 credit hours (TCE 3.83/4.00; 10)
Spring 2002	CHEM 632: Advanced Organic Chemistry II	3 credit hours (TCE 3.64/4.00; 11)
Fall 2002	CHEM 639: Synthetic Organic Chemistry	3 credit hours (TCE 3.70/4.00; 8)
Spring 2003	CHEM 632: Advanced Organic Chemistry II	3 credit hours (TCE 3.80/4.00; 12)
Fall 2003	CHEM 639: Synthetic Organic Chemistry	3 credit hours (TCE 3.68/4.00; 10)
Spring 2004	CHEM 632: Advanced Organic Chemistry II	3 credit hours (TCE 3.85/4.00; 22)
Fall 2004	CHEM 632: Advanced Organic Chemistry II	3 credit hours (TCE 3.73/4.00; 9)
Spring 2005	CHEM 639: Synthetic Organic Chemistry	3 credit hours (TCE 3.78/4.00; 25)
Fall 2005	CHEM 632: Advanced Organic Chemistry II	3 credit hours (TCE 3.87/4.00; 6)
Spring 2006	CHEM 639: Synthetic Organic Chemistry	3 credit hours (TCE 3.87/4.00; 6)
Spring 2007	CHEM 90639: Synthetic Organic Chemistry	3 credit hours (TCE 3.85/4.00; 11)
Spring 2008	CHEM 90639: Synthetic Organic Chemistry	3 credit hours (TCE 4.00/4.00; 9)
Fall 2010	CHEM 60630: Intermediate Organic Chemistry	3 credit hours (CIF 4.40/5.00; 16)
Fall 2011	CHEM 60630: Intermediate Organic Chemistry	3 credit hours (CIF 4.80/5.00; 16)
Fall 2012	CHEM 60630: Intermediate Organic Chemistry	3 credit hours (CIF 4.80/5.00; 16)
Spring 2015	CHEM 60632: Advanced Organic Chemistry	3 credit hours (CIF 4.00/5.00; 8)
Fall 2015	CHEM 60630: Intermediate Organic Chemistry	3 credit hours (CIF 3.99/5.00; 11)
Fall 2016	CHEM 60630: Intermediate Organic Chemistry	3 credit hours (CIF 4.80/5.00; 11)
Fall 2017	CHEM 60630: Intermediate Organic Chemistry	3 credit hours (CIF 5.00/5.00; 13)
Fall 2018	CHEM 60630: Intermediate Organic Chemistry	3 credit hours (CIF 4.91/5.00; 23)
Fall 2018	CHEM 60630: Intermediate Organic Chemistry	3 credit hours (CIF 4.80/5.00; 22)

UNDERGRADUATE TEACHING (Overall Perception of Teaching; enrollment)

Spring 1997	CHEM 224: Elementary Organic Chemistry	3 credit hours (TCE 3.89/4.00; 82)
Spring 1998	CHEM 224: Elementary Organic Chemistry	3 credit hours (TCE 3.95/4.00; 98)
Spring 2001	CHEM 224: Elementary Organic Chemistry	3 credit hours (TCE 3.86/4.00; 75)
Fall 2006	CHEM 20283: Org. Reactions & Applications	3 credit hours (TCE 3.91/4.00; 45)
Fall 2007	CHEM 20283: Org. Reactions & Applications	3 credit hours (TCE 3.90/4.00; 52)
Fall 2008	CHEM 20283: Org. Reactions & Applications	3 credit hours (CIF 4.6/5.00; 43)
Fall 2009	CHEM 20283: Org. Reactions & Applications	3 credit hours (CIF 4.5/5.00; 47)
Spring 2014	CHEM 23202: Chemistry Seminar	1 credit hour (no CIF; 13)

PROFESSIONAL AFFILIATIONS

Fellow of the American Association for the Advancement of Science (1990-present, AAAS)
 American Chemical Society (1987-present, ACS, Organic Division; Medicinal Chemistry Division)
 American Society of Microbiology (2013-present, ASM)
 American Society of Pharmacognosy (2005-present, ASP)
 American Society for Experimental Neurotherapeutics (2014-present, ASENT)

SCIENTIFIC COMMUNITY SERVICE

2017-present NIH *ad hoc* Reviewer for Member Conflict Study Section and SBIR/STTR review
 2017-2020 Council Delegate AAAS Pharmaceutical Sciences Division
 2017-present Indiana Center for Biomedical Innovation Advisory Board
 2016 Chair, Vice-Chair (2015) Gordon Research Conference on Natural Products
 2012-2016 NIH SBCA Study Section Member
 2012 Discussion Leader, Gordon Research Conference on Natural Products
 2012 NIH Special Emphasis Panel: Anticancer Agents SBIR Phase II Topic 255 (May)
 2012 NIH Small Business Review Panel: Biol. Chem., Biophysics, Drug Discovery (January)
 2011 NSF Synthesis Panel 1 October 20-21
 2011 NIH IMST “Drug Discovery and Development Study Section” June 22-24
 2011 NIH SBIR Review Panel 255 “Development of Anticancer Agents” March 23-25
 2010 St. Jude Research Hospital Science Advisory Board Review Panel Aug 15-17
 2010 NIH MLPCN Panel “Chemical Probe Reports” June 29
 2010 MCAT(MR5) Reviewer, Association of American Medical Colleges
 2010 NIH SBIR Review Panel “Development of Anticancer Agents” March 25-26
 2010 NIH SBCB Study Section Review Panel Feb 9-10
 2009 NIH SBIR Review Panel “Drug Discovery and Development” June 22-23
 2009 NIH SBIR Review Panel “Anti-Cancer Agents” March 12-13
 2008-2009 Indiana Clinical and Translational Institute Grants Chairperson (ND)
 2008-present Expert Reviewer; Canada Foundation for Innovation
 2008 Discussion Leader; Gordon Research Conference on Natural Products
 2008 NIH BCMB “Pilot Libraries” Review Panel
 2006-2016 Editorial Board Member, *Current Chemical Biology*
 2002-2010 Advisory Board; Panjwani Center for Molecular Medicine and Drug Research
 2006 NIH SBCB Study Section (*ad hoc*)
 2004 Discussion Leader; Gordon Research Conference on Natural Products
 2004 NIH NCDDG Study Section (Cancer)
 2003 NIH Medicinal Chemistry Study Section (*ad hoc*)
 2003 NIH Conflicts in Biophysics/Chemistry Study Section
 2001-2010 Expert Analyst, *CHEMTRACTS*: Organic Chemistry

SCIENTIFIC COMMUNITY SERVICE

2000 Discussion Leader; Gordon Research Conference on Natural Products

Routine Grant Reviewer for Petroleum Research Fund/ACS, National Science Foundation, and Research Corporation, Consiglio Nazionale, European Young Investigator Program, ETH Zurich Research Commission.

Referee for *Organic Letters*, *Tetrahedron Letters*, *Tetrahedron*, *Angewandte Chemie*, *Journal of Organic Chemistry*, *Journal of the American Chemical Society*, *Synthesis*, *SynLett*, *Heterocycles*, *European Journal of Organic Chemistry*, *Chemistry-A European Journal*, *Chemical Communications*, *Natural Product Research*, *Journal of Natural Products*, *Experimental Biology and Medicine*, *Nature-Chemistry and Nature Journals*.

DEPARTMENTAL, COLLEGE AND UNIVERSITY SERVICE (partial listing)

General Department, College, and University Service

2018-present	Department Colloquium Committee
2017	Departmental Academic Review; Research Committee Leader
2016-2017	Safety Coordinator, McCourtney Hall; ND-Research
2016-2017	McCourtney Hall Space Committee; ND-Research
2012-2017	Department of Chemistry & Biochemistry Safety Committee
2012-2013	College of Science Faculty Search Committee in Rare and Neglected Diseases
2011	Provost's New Faculty Orientation: Teaching and Research Panel
2010-2013	Naughton Fellowship Program Steering Committee
2008-2009	Provost Task Force on Collaborative Hiring
2008-2013	College Council, College of Science (ex officio)
2006-2007	Executive Search Committee (Vice President of Research)
2006-2008	Department Committee on Appointments and Promotions
2004-2007	Academic Council (elected)
2003-2007	College Council, College of Science (elected)
1996-1999	Major Instrumentation: NMR Facilities Liaison
1996-2005	Department Graduate Student Poster Day Coordinator
1996-1998	Faculty Senate (elected)
1996-1998	Department Library Committee Member
1995-2001	Department Graduate Recruitment Committee

Undergraduate Education and Research

2009-2014	Faculty Advisor; American Chemical Society Student Affiliates
2008-2010	Creator, co-organizer; University Undergraduate Scholars Conference
2007-2011	Creator, co-organizer; College of Science JAM (Undergrad. Research Symp.)
2004-2005	Executive Search Committee (Dean of the First Year of Studies)
2001-2002	Faculty Learning Community
1998-2001	Teaching, Learning, and Technology Roundtable

Graduate Education, Research and Faculty Scholarship

2016-present	Department Graduate Studies Committee
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DEPARTMENTAL, COLLEGE AND UNIVERSITY SERVICE (continued)

2012-2013	Multi-Disciplinary Research Building Planning Committee
2012-2014	ESTEEM Program Thesis Advisor
2011-2013	Interdisciplinary Biomedical Science Graduate Program Executive Committee
2009-2016	University Strategic Research Committee
2008-2013	Office of the Vice President of Research FRSP Review Panels
2008-2012	Office of the Vice President of Research Limited Submissions Review Panel
2008-2013	Graduate Council (ex officio)
2006-2009	Graduate Student – Industrial Recruitment Coordinator
2006-2010	Creator, co-organizer; Department Graduate Student Orientation Week
2004-2005	Provost Task Force on Doctoral Education Financial Aid
2002-2007	Graduate Council (elected)
2001-2006	Director of Graduate Studies

Research and Graduate Studies Administration and Oversight: Dean's Office, College of Science

2012-2013	Haiti Program Faculty Advisory Council
2012-2013	Indiana Clinical and Translational Science Institute Executive Committee
2012-2013	Indiana CTSI Co-Director of Molecular Therapeutic Program
2012-2013	Haiti Program Faculty Advisory Council
2011-2013	Strategic Research Investment Internal Advisory and Review Boards
2011-2013	Center Sustainable Energy at ND (cSEND) Internal Advisory Board
2010-2013	Colleges of Science & Engineering New Faculty Orientation Panel
2010-2013	Notre Dame Institute for Advanced Study Steering Committee
2010	Environmental Change Initiative Launch Team
2009-2013	Electronic Research Administration (eRA) Executive Committee
2009-2013	College Oversight of Engineering-Science Computing Facility
2008-2013	College of Science Voluntary Cost Share Coordinator
2008-2013	College of Science Proposal Routing Authorization
2008-2013	College of Science Conflict of Interest Reviewer
2009-2013	Initiative for Global Development Steering Committee
2008-2013	Center for Research Computing Faculty Advisory Committee
2008-2009	College Oversight of the Science Computing Center

Innovation, Commercialization and Entrepreneurship

2017-2018	IDEA Center, Lean Canvas Mentor
2014-2018	Warren Center Partnering Manager
2009-2015	Coordinator, College of Science Innovation Entrepreneurship Program
2009-2016	ND-Research - 16Tech (Indianapolis) Liaison
2009-2013	College Coordinator Faculty Commercialization Activities
2009-2012	Michiana Tech-Connect Regional Commercialization Initiative

DEPARTMENTAL, COLLEGE AND UNIVERSITY SERVICE (continued)**Research Stewardship ND-Research**

2013-2016	Director; ND-Research Internal Awards Program (FRSP Regular and Initiation Grants, Equipment Restoration & Renewal, Library Acquisitions)
2013-2016	ND-Research Limited Submissions Committee Chair
2013-2016	Oversight; ND-Research Research Communications
2013-2016	Oversight; ND-Research Bioethics Research Practice
2013-2016	University Research Space Committee
2013-2016	University Research Development Committee
2013-2016	Navy Research Forum Coordinator
2012-2016	Indiana Clinical & Translational Science Institute (CTSI) Executive Committee
2012-2016	Indiana CTSI Deputy Director (Notre Dame)
2013-present	Indiana CTSI Director of Molecular Therapeutic Program (Notre Dame)
2013-present	Liaison to the Indiana Biosciences Research Institute (IBRI)

CURRENT AND PENDING FUNDING

National Institutes of Health (PI)	(Pending 09/20-08/24; \$1,545,000)
<i>Evolutionary Significance of Putative Biosynthetic Intermediates and their Oxidative Processing</i>	
National Science Foundation (PI)	(Pending 07/20-06/23; \$610,000)
<i>New Chemical and Biological Oxidative Methods for Tailoring Polyketides</i>	
Ara Parseghian Medical Research Fund (PI)	(Pending; \$100,000)
<i>Splicing Modulators as Potential Therapeutic Leads for NPC Disease</i>	
National Institutes of Health (PI: Porco, Boston University)	(AwarDED 2020-2024; 60,000)
<i>BU-CMD Chemical Library Consortium: Fostering Collaborations between Chemists and Biologists...</i>	
Pietrzak Research Support (PI) –Notre Dame	(AwarDED 2018-2022; \$1,000,000)
<i>New Therapeutic Leads for Behcet's Disease</i>	
National Institutes of Health (PI)	(AwarDED 08/18-07/20; \$608,000)
<i>Splicing Modulators for Rare Disease Indications</i>	
Reisenauer Research Support (PI) –Notre Dame	(AwarDED 2017-2022; \$500,000)
<i>Towards Small Molecular Therapeutic Agents for Glycogen Storage Disorders</i>	
Harper Pre-Clinical Research Award (PI) – Notre Dame	(AwarDED 2018-2020; \$200,000)
<i>GEXIA, A Pre-Clinical Lead for Cancer and Non-Cancer Indications</i>	
National Institutes of Health (PI: Shekhar, Co-PI; 25% effort)	(AwarDED 2013-2023; \$30,915,130)
<i>Indiana Clinical and Translational Science Institute (2018 Renewal received perfect score; 10)</i>	
NIH (T32GM075762; PI: Miller/Chang, Co-PI)	(AwarDED 07/17-06/22; \$1,339,635)
<i>Chemistry-Biochemistry-Biology Interface Training Program at Notre Dame (years 11-15)</i>	
National Institutes of Health (R01NS092653, PI: Ory, WashU)	(AwarDED 07/15-06/20; \$533,965)
<i>Histone Deacetylase Inhibitors for Treatment of Riemann-Pick Type C1 Disease</i>	

COMPLETED FUNDING

Loyola – Notre Dame Collaborations in Cancer Grant (PI) <i>GEXIA, A Pre-Clinical Lead for Cancer and Non-Cancer Indications</i>	(2018-2019; \$50,000)
Notre Dame International (PI) <i>Mexico City Center Collaboration Grant: Warren Center for Drug Discovery</i>	(2017-2018; \$10,000)
Cocchia Rare Disease Research Fund (PI) –Notre Dame	(2017-2018; \$100,000)
Ara Parseghian Medical Research Fund (PI) <i>Computational and Medicinal Chemistry Studies of the Understanding of Niemann-Pick Type C Disease and Lysosomal Storage Disorders and the Development of New Therapeutic Agents</i>	(2017-2018; \$100,000)
Notre Dame International (PI) <i>Luksic Pontifical Catholic University Collaboration Grant: Warren Center for Drug Discovery</i>	(2017-2018; \$10,000)
Department of Education (Co-PI) <i>GAANN Fellowships to Increase Diversity and Promote Academic Careers</i>	(2013-2018; \$659,625)
Sponsored Research Agreement – Retrophin/Grace Science Foundation <i>Towards Small Molecular Therapeutic Agents for NGLY1 Deficiency</i>	(2015-2017; \$345,000)
Ara Parseghian Medical Research Foundation (Co-PI) <i>Design and Synthesis of Small Molecule Therapeutic Agents and Biochemical Probes for Studies and Treatment of Niemann-Pick Type C Disease</i>	(2016-2017; \$100,000)
NIH-Indiana CTSI (Co-PI with David Wild, IU-Bloomington) <i>“CTR: Chemoinformatic Big Data Mining for Automated Chemical Synthesis”</i>	(2014-2016; \$71,605)
National Institutes of Health (GM08492) <i>Synthesis and Biosynthesis of Polyketide Pyran Fragments</i>	(2010-2015; \$1,170,000)
Ara Parseghian Medical Research Foundation (Co-PI) <i>Design and Synthesis of Small Molecule Agents for Studies and Treatment of NPC Disease</i>	(2013-2015; \$100,000)
Walther Cancer Foundation Advancing Basic Cancer Research Grant <i>Liposomal Nanoparticles for Selective Anticancer Drug Delivery Targeting Vacuolar ATPase</i>	(2011-2014; \$200,000)
Charles Edison Foundation Innovation Postdoctoral Grant <i>A New Lead for Niemann-Pick Type C Disease</i>	(2013-2014; \$40,000)
Walther Cancer Foundation Advancing Basic Cancer Research Grant <i>Overcoming Resistance to Microtubule Drugs with Mitotic Kinase Inhibitors</i>	(2011-2014; \$200,000)
National Science Foundation (CHE-0924351) <i>Int. Collaborations in Chemistry: Putative Intermediates in the Biosynthesis of Tedanolide</i>	(2009-2013; \$450,000)
Charles Edison Foundation Innovation Postdoctoral Grant <i>Heterologous Expression of Gephyronic Acid</i>	(2012-2013; \$40,000)
Office of the VPR Cancer-Directed Funds <i>“Heterologous Expression of Gephyronic Acid</i>	(2011-2013; \$50,000)
Charles Edison Fund Innovation Postdoctoral Grant <i>“The Chemotherapeutic Potential of 14-Substituted Epothilone Analogues”</i>	(2011-2012; \$40,000)
Notre Dame Genomics and Bioinformatics Pilot Project <i>Characterization of the PKS Gene Cluster Responsible for the Production of Gephyronic Acid</i>	(2010-2011; \$15,000)
National Science Foundation (CHE-0741793) <i>Acquisition of a Quadrupole Time-of-Flight Mass Spectrometer</i>	(2008-2011; \$344,685)

COMPLETED FUNDING (continued)

National Institutes of Health (R01-GM77683) <i>Conformation-Activity Relationships</i>	(2006-2011; \$1,152,000)
National Science Foundation (CHE-0517389) <i>Synthesis of Biologically Relevant Cyclopropanes</i>	(2005-2008; \$392,000)
NCI/SIAC Frederick: SPA <i>Synthesis of Analogues of Myriaporone</i>	(2006-2007; \$25,000)
Sponsored Research w/Dow Agrosciences <i>Synthesis of Cornexistin</i>	(2004-2005; \$20,000)
Sponsored Research w/KOSAN Biosciences <i>14-Substituted Epothilones</i>	(2003-2005; \$75,000)
National Science Foundation (CHE-0210918) <i>Structural Diversity Based on Cyclopropane Scaffolds</i>	(2002-2005; \$380,000)
National Institutes of Health (R01-CA85499) <i>Conformational Activity Relationships in Complex Natural Products</i>	(2000-2005; \$669,376)
National Institutes of Health (R01-CA81128) <i>Myriaporones: Synthetic and Biological Studies</i>	(2000-2005; \$737,725)
American Cancer Society (RPG-00-026-01) <i>Myriaporones: Synthetic and Biological Studies</i>	(2000-2003; \$453,338)
Eli Lilly Grantee Award <i>Unrestricted Grant</i>	(2001-2003; \$60,000)
NSF Early Career Award CHE97-33253 <i>Practical, Iterative, Synthetic Methodology from Novel Reactive Intermediates</i>	(1998-2003; \$351,369)
Petroleum Research Fund/ACS 31817-G1 <i>Oligocyclopropanes from Homoallylic Carbocations</i>	(1998-2000; \$20,000)
Walther Cancer Research Center <i>Postdoctoral Support for Cancer Research</i>	(2000-2010; ~\$40,000/year)
Embedded Center Fund <i>Collaborations with Dow Agrosciences</i>	(2000-2005; \$255,000)
Equipment Restoration Fund (PI) <i>Acquisition of a 400MHz NMR Spectrometer</i>	(1999; \$400,000)
Equipment Restoration Fund (PI: Dr. Bill Boggess) <i>Acquisition of a Bench-Top HRMS</i>	(1997; \$189,000)
Bayer Postdoctoral Fellowship (w/ Prof. Brad Smith)	(1997-1999; \$60,000)

INVITED PRESENTATIONS

- 2020: 121: Drug-Discovery Based on Natural Product Chemistry, Pacificchem 2020, Honolulu, HI
120: MedChem Symposium, ACS National Meeting, Philadelphia, PA, March 22-26.
- 2019: 119: University of Illinois-Chicago (Pharmacy)
118: Central Regional Meeting of the American Chemical Society (Midland, MI)
117: Indiana Clinical and Translational Sciences Institute Purdue University
- 2018: 116: Michael, Marcia & Christa Parseghian Research Conference on NPC Research; Tucson, AZ
115: Loyola University Strich School of Medicine
114: North Carolina State University
113: University of Toledo
- 2017: 112: Michael, Marcia & Christa Parseghian Research Conference on NPC Research; Tucson, AZ
- 2016: 110: University of Connecticut, Department of Chemistry
109: US-Japan Symposium on Natural Products, University of Hawaii Cancer Center
- 2015: 108: Natural Product-Based Drug Discovery at Pacificchem 2015, Honolulu, HI
107: 14th Int. Conference on the Chem. of Antibiotics & other Bioactive Compounds
106: University of Auckland, NZ (July 9, 2015)
105: University of Otago, NZ (July 6, 2015)
104: Centre for Biodiscovery, Wellington, NZ (July 2, 2015)
103: Midwest Regional Meeting of the American Chemical Society (Grand Rapids, MI)
- 2014: 102: 9th International Conference on Anticancer Research (Porto Carras, Greece)
101: Gordon Research Conference on Natural Products (Procter Academy, Andover, NH)2013:
100: University of Houston, Department of Chemistry
- 2013: 99: 2nd Workshop on the Chemistry and Biology of Microtubules and MT-Interacting Agents
- 2012: 98: Amgen (S. San Fran)
97. Vanderbilt University, Department of Chemistry
96. Louisiana State University, Department of Chemistry
- 2011: 95. 7th US-Japan Seminar: Marine Bioorganic Chemistry; Okinawa, Japan
94. Chicago Organic Symposium, Plenary Lecturer, University of Illinois-Chicago
- 2010: 93. Pacificchem 2010, Honolulu, HI
92. Hamilton College, Department of Chemistry
91. Purdue University; Negishi-Brown Lectures
90. University of Louisville, Department of Chemistry
- 2009: 89. Gordon Conference on Natural Products
88. ACS Central Regional Meeting, Cleveland, OH
- 2008: 87. Colorado College, Department of Chemistry
86. Temple University, Department of Chemistry
85. University of Toronto, Department of Chemistry
84. Indiana University, Department of Chemistry
- 2007: 83. University of Rochester, Department of Chemistry
82. Silveira Distinguished Lecturer, SUNY Oswego, ACS Syracuse Section
81. Plenary Lecturer; 48th Annual Meeting of the American Society of Pharmacognosy
80. Lilly Lecturer, Northwestern University, Department of Chemistry

INVITED PRESENTATIONS

- 2006: 79. University of North Carolina, Chapel Hill, Department of Pharmacology
78. University of California, Santa Barbara, Department of Chemistry
77. Gordon Conference on Heterocyclic Compounds
76. Schering AG, Berlin, Germany
75. University of Hannover, Germany, Department of Chemistry
74. Georg-August Universität, Göttingen, Germany
73. Philipps Universität, Marburg Germany, Department of Chemistry
72. Syracuse University, Department of Chemistry
71. Case Western Reserve University, Department of Chemistry
- 2005: 70. University of Colorado, Department of Chemistry
69. Texas A & M University, Department of Chemistry
68. Rensselaer Polytechnic Institute, Department of Chemistry
67. Johnson & Johnson, Raritan, NJ
66. 1st Annual Leo Paquette Symposium, Plenary Lecturer, Ohio State University
- 2004: 65. University of Wisconsin, Department of Pharmacology
64. Vanderbilt University, Department of Chemistry
63. University of Texas SWMC, Department of Chemistry
62. University of North Carolina, Department of Chemistry
61. Science at the Interface of Chemistry and Biology Plenary Lecturer, Notre Dame
60. Millennium Pharmaceutical Inc
59. French-American Chemical Society Plenary Lecturer (Charleston, SC)
58. 36th ACS Central Regional Meeting (Indianapolis, IN)
57. Wayne State University, Department of Chemistry
56. Rensselaer Polytechnic Institute, Department of Chemistry
55. Indiana University, Department of Chemistry
- 2003: 54. University of Utah, Department of Chemistry
53. Albany Molecular Research
52. Eisai Research Institute (Andover, MA)
51. Vanderbilt University, Department of Chemistry
50. University of British Columbia
- 2002: 49. Harvard University (Student Hosted Research and Career Seminar Series)
48. Boston University, Department of Chemistry
47. Colorado State University, Department of Chemistry
46. Merck Research Labs (Rahway, NJ)
45. Kosan Biosciences (Hayward, CA)
44. Stereochemistry: GRC
43. Tenth Biennial Eli Lilly Grantee Symposium (Indianapolis, IN)
- 2001: 42. Natural Products GRC
41. Dow Agrosience Discovery & Global Process Chemistry Symposium
40. University of Kansas, Department of Chemistry
39. Bristol-Myers Squibb (Wallingford, CT)
38. Yale University, Department of Chemistry
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INVITED PRESENTATIONS

- 37. Emory University, Department of Chemistry
- 36. Georgia Tech, Department of Chemistry
- 2001: 35. University of Georgia, Department of Chemistry
- 34. 6th Annual Organic Colloquium, Procter & Gamble
- 33. 32nd Central Regional ACS Meeting (Covington, KY)
- 32. University of Chicago, Department of Chemistry
- 31. Stanford University, Department of Chemistry
- 30. Kosan Biosciences (Hayward, CA)
- 29. Univ. California Berkeley
- 2000: 28. Univ. Illinois Urbana-Champaign, Department of Chemistry
- 27. Univ. Pittsburgh, Department of Chemistry
- 26. Univ. Pennsylvania, Department of Chemistry
- 25. Lilly Research Labs (Indianapolis, IN)
- 24. Bristol-Myers Squibb (New Brunswick/Princeton, NJ)
- 23. Univ. California Santa Barbara, Department of Chemistry
- 22. Univ. California Irvine, Department of Chemistry
- 21. Univ. California San Diego, Department of Chemistry
- 20. Genetic Institutes (Boston, MA), Department of Chemistry
- 19. Boston College, Department of Chemistry
- 18. 8th International Symposium on Natural Products Karachi, Pakistan
- 1999: 17. Great Lakes Regional Meeting
- 16. Penn State University, Department of Chemistry
- 15. University of Rochester, Department of Chemistry
- 14. Abbott Laboratories (Chicago, IL)
- 13. NSF Workshop on Synthesis and Natural Products (Ward, CO)
- 12. Syracuse ACS Section (NY)
- 11. North Dakota State University, Department of Chemistry
- 10. University of Minnesota, Department of Chemistry
- 9. Texas A&M University, Department of Chemistry
- 1998: 8. Wayne State University, Department of Chemistry
- 7. Michigan State University, Department of Chemistry
- 6. Rensselaer Polytechnic Institute, Department of Chemistry
- 5. GRC on Organic Rx & Processes
- 4. GRC on Natural Products
- 3. Pharmacia and Upjohn (Kalamazoo, MI)
- 2. Searle (Skokie, IL)
- 1997: 1. Bristol-Myers Squibb (Syracuse, NY)

STUDENT ORAL PRESENTATIONS

36. Canadian Chemistry Conference and Exhibition, Chia-Fu Chang, Eric Stephan, Richard E. Taylor, “Application of Ether Transfer Reaction in Total Synthesis of Lyngbyaloside C”, 98th Ottawa, June 13-17 **2015**.
35. Chemical Biology Interface Conference, Laura M. Woods, Kevin Vaughan, Richard E. Taylor “Combinational Therapy with epothilone and aurora inhibitors induces a novel form of cell death”, Vanderbilt Institute of Chemical Biology, Nashville, TN, August **2015**.
34. 249th ACS National Meeting, Laura M. Woods, Kevin Vaughan, Richard E. Taylor “Combination Therapy with epothilone and aurora inhibitors induces a novel form of cell death” Denver, CO, MEDI-329, March **2015**.
33. 246th ACS National Meeting, Matt Wilson, Erik Larsen, Eric Stefan and Richard E. Taylor; “Synthesis, Conformational Analysis and Biological Evaluation of Potent Microtubule Stabilizing Agents (-)-dactylolide and (-)-zamapanolide” ORGN Abstract No. 31, September 8-12, **2013**.
32. 243rd ACS National Meeting, Eric Stefan and Richard E. Taylor; “Novel Access to Methyl Substituted Polyketide Structural Units” ORGN Abstract No. 719, March 25-29, **2012**.
31. 243rd ACS National Meeting, Matthew R. Wilson, Eric Stefan and Richard E. Taylor; “Progress Towards the Total Synthesis of Zampanolide” ORGN Abstract No. 360, March 25-29, **2012**.
30. 240th ACS National Meeting, Vince Lombardo and Richard E. Taylor; “Toward the Total Synthesis of 20-Desoxy-Apoptolidinone” ORGN Abstract No. 418, August 22-26, **2010**.
29. 240th ACS National Meeting, Erin Daly and Richard E. Taylor; “Probing Tubulin Interactions with 14-Methyl Epothilone D Analogues” ORGN Abstract No. 350, August 22-26, **2010**.
28. 240th ACS National Meeting, Lionel Nicolas, Timo Anderl, Sabine Laschat, and Richard E. Taylor; “Structural Assignment and Total Synthesis of Gephyronic Acid” ORGN Abstract No. 113, August 22-26, **2010**.
27. 233rd ACS National Meeting, Xiaoyue Zhang and R. E. Taylor; “Role of the C7-Hydroxy group in Epothilone D” ORGN Abstract No. 378, March 25-29, **2007**.
26. 233rd ACS National Meeting, Myriam Roy and R. E. Taylor; “Structure-Activity Relationships of the Myriaporones” ORGN Abstract No. 379, March 25-29, **2007**.
25. 233rd ACS National Meeting, Kai Liu, Rendy Kartika, and R. E. Taylor; “Electrophile-Induced Ether Transfer” ORGN Abstract No. 58, March 25-29, **2007**.
24. 233rd ACS National Meeting, Rendy Kartika and R. E. Taylor; “Stereoselective synthesis of 2,4,6-trisubstituted tetrahydropyrans via electrophile-induced ether transfer” ORGN Abstract No. 63, March 25-29, **2007**.
23. 231st ACS National Meeting, Coura Diene and R. E. Taylor; “Studies toward the total synthesis of (+)-Ambruticin” ORGN Abstract No. 71, March 26-30, **2006**.
22. 231st ACS National Meeting, Bruce Melancon and R. E. Taylor; “Cationic strategies to 1,2-disubstituted cyclopropanes with aryl substitution” ORGN Abstract No. 190, March 26-30, **2006**.
21. 231st ACS National Meeting, Chris Nicholson, Michael Charteir, and R. E. Taylor; “Conformational analysis of peloruside A via molecular modeling and high-field NMR” ORGN Abstract No. 255, March 26-30, **2006**.
20. 229th ACS National Meeting, R. Rendy and R. E. Taylor; “Towards the Total Synthesis of Acutiphycin” ORGN Abstract No. 367, March 13-17, **2005**.
19. 229th ACS National Meeting, J. Tung and R. E. Taylor; “Towards the Total Synthesis of the Cornexistins” ORGN Abstract No. 376, March 13-17, **2005**.
18. 229th ACS National Meeting, D. Gusiella and R. E. Taylor; “Towards the Total Synthesis of 2-Deoxy-Apoptolidin” ORGN Abstract No. 386, March 13-17, **2005**.

17. 228th ACS National Meeting, M. Jin and R. E. Taylor; "Towards the Total Synthesis of Peloruside A" ORGN Abstract No. 415, August 22-26, **2004**.
16. 226th ACS National Meeting, W. Chen and R. E. Taylor; "Progress toward the total synthesis of the Cornexistins" ORGN Abstract No. 678. September 7-11, **2003**.
15. 226th ACS National Meeting, N. A. Ross and R. E. Taylor; "Synthetic studies towards the aglycon of apoptolidin" ORGN Abstract No. 677. September 7-11, **2003**.
14. 226th ACS National Meeting, S. Bandaru and R. E. Taylor; "Rational design and synthesis of Epothilone analogues" ORGN Abstract No. 679. September 7-11, **2003**.
13. 225th ACS National Meeting, C. A. Risatti and R. E. Taylor; "Synthesis of Cyclopropylaldehydes using Heteroatom Stabilized Haloallylic Cation Rearrangements" ORGN Abstract No. 480. March 23-27, **2003**.
12. 225th ACS National Meeting, A. Vitale-Brown and R. E. Taylor; "Precursor-Directed Biosynthesis and Total Synthesis of Epothilones" ORGN Abstract No. 248. March 23-27, **2003**.
11. 225th ACS National Meeting, K. N. Fleming and R. E. Taylor; "Studies towards the Total Synthesis of Myriaporones 1 and 4" ORGN Abstract No. 246. March 23-27, **2003**.
10. 225th ACS National Meeting, W. D. Paquette and R. E. Taylor; "Synthetic Efforts towards the Triene Portion of Apoptolidin" ORGN Abstract No. 241. March 23-27, **2003**.
9. 223rd ACS National Meeting, B. Junker, W. D. Paquette, D. Guseilla, and R. E. Taylor; "Synthetic Studies on Apoptolidinone" ORGN Abstract No. 397. April 7-11, **2002**.
8. 223rd ACS National Meeting, Y. Chen and R. E. Taylor; "Epothilones and Analogues: Total Synthesis, Conformation, and Biological Activity" ORGN Abst. No. 398. April 7-11, **2002**.
7. 223rd ACS National Meeting, P. Pabba, and R. E. Taylor; "Synthesis of Epothilone Analogues based on Conformational Analysis" ORGN Abstract No. 436. April 7-11, **2002**.
6. 221st American Chemical Society National Meeting, Taylor, R. E.; Engelhardt, F. C.; Schmitt, M. J.; Yuan, H. "Synthetic Methods for Cyclopropane Synthesis" ORGN Abstract No. 484, San Diego, CA, March 26-30, **2001**.
5. 219th American Chemical Society National Meeting, Taylor, R. E.; Engelhardt, F. C. Schmitt, M. J.; Yuan, H. "Structural Diversity Based on Cyclopropane Scaffolds" ORGN Abstract No. 451, San Francisco, CA, March 26-30, **2000**.
4. 218th American Chemical Society National Meeting, Taylor, R. E.; Ciavvarri, J. P.; Hearn, B. R. "Zirconium-Mediated Allylations: A Diastereoselective Approach to the Myriaporones" ORGN Abstract No. 591, New Orleans, LA, August 22-26, **1999**.
3. 218th American Chemical Society National Meeting, Taylor, R. E.; Ciavvarri, J. P.; Hearn, B. R. "Synthetic Efforts Towards a Total Synthesis of Myriaporone 1" ORGN Abstract No. 621, New Orleans, LA, August 22-26, **1999**.
2. 217th American Chemical Society National Meeting, Taylor, R. E.; Galvin, G. M.; Hilfiker, K. A.; Chen, Y. "The Identification of the Biologically Active Conformation of Epothilone" ORGN Abstract No. 41, Anaheim, CA, March 21-25, **1999**.
1. 217th American Chemical Society National Meeting, Taylor, R. E.; Engelhardt, F. C.; Schmitt, M. J.; Yuan, H. "Structural Diversity Based on Cyclopropane Scaffolds" ORGN Abstract No. 45, August 22-26, **1999**.

PUBLICATIONS PRIOR TO NOTRE DAME

1. Kasmai, H. S.; Taylor, R. E. "A Convenient Technique for the Transfer of Air-Sensitive Reagents" *J. Chem. Ed.* **1989**, *66*, 773.
2. Schultz, A. G.; Tavaras, A. G.; Taylor, R. E. "Solid State Photochemistry. Remarkable Effects of the Packing of Molecules in the Crystal on the Diastereoselectivity of the Intramolecular 2+2 Photocycloaddition of a 4-(3' Butenyl)-2,5-cyclohexadienone" *J. Am. Chem. Soc.* **1992**, *114*, 8725.
3. Schultz, A. G.; Taylor, R. E. "Diastereoselective Enolate Alkylations. Asymmetric Syntheses of 3Alkyl-3-carbomethoxy-2-exomethylene-cyclohex-5-en-1-ones" *J. Am. Chem. Soc.* **1992**, *114*, 3937.
4. Wender, P. A.; Taylor, R. E. "A One Pot Synthesis of Ciclamycin O Trisaccharide" *Chemtracts* **1993**, *6*, 255.
5. Wender, P. A.; Marquess, D. G.; McGrane, P. L.; Taylor, R. E. "The Total Synthesis of Taxol" *Chemtracts* **1994**, *7*, 160.
6. Wender, P. A.; Taylor, R. E.; Taxol subgroup "The Pinene Path to Taxanes: Genesis and Evolution of a Synthesis Strategy" ACS Symposium Series 583: *Taxane Anticancer Agents: Basic Science and Current Status* Ojima, I.; Georg, G. Ed., ACS Press, Washington D.C., **1995**.
7. Wender, P. A.; Taylor, R. E.; Taxol subgroup "The Pinene Path to Taxol: Stereocontrolled Synthesis of a Versatile Taxane Precursor" *J. Am. Chem. Soc.* **1997**, *119*, 2755.
8. Wender, P. A.; Taylor, R. E.; Taxol subgroup "The Pinene Path to Taxol: A Concise Stereocontrolled Synthesis of Taxol" *J. Am. Chem. Soc.* **1997**, *119*, 2757.
9. Taylor, R. E.; Haley, J. "Towards the Synthesis of Epothilone A: Enantioselective Preparation of the Thiazole Sidechain and Macrocyclic Ring Closure" *Tetrahedron Lett.* **1997**, *38*, 2061.
10. Taylor, R. E.; Ameriks, M. K.; LaMarche, M. J. "A Novel Approach to Oligocyclopropane Structural Units" *Tetrahedron Lett.* **1997**, *38*, 2057.

INDEPENDENT PUBLICATIONS

11. Patterson, S.; Smith, B. D.; Taylor, R. E. "Fluorescent Sensing of Ribonucleoside 5'-Triphosphate" *Tetrahedron Lett.* **1997**, *38*, 6323.
 12. Patterson, S.; Smith, B. D.; Taylor, R. E. "Tuning the Affinity of a Synthetic Sialic Acid Receptor Using Combinatorial Chemistry" *Tetrahedron Lett.* **1998**, *39*, 3111.
 13. Taylor, R. E.; Ciavarri, J. P.; Hearn, B. R. "A Divergent Approach to the Myriaporones and Tedanolide: Enantioselective Preparation of the Common Intermediate" *Tetrahedron Lett.* **1998**, *39*, 9361.
 14. Taylor, R. E.; Galvin, G. M.; Hilfiker, K. A.; Chen, Y. "A Formal Total Synthesis of Epothilone A: Enantioselective Preparation of the C1-C6 and C7-C12 Fragments" *J. Org. Chem.* **1998**, *63*, 9580.
 15. Taylor, R. E.; Zajicek, J. "The Conformational Properties of Epothilone" *J. Org. Chem.* **1999**, *64*, 7224.
 16. Taylor, R. E.; Ciavarri, J. P. "2-Bromo-allyl Acetate. A Useful Structural Unit for Sequential Carbon-Carbon Bond Formation" *Org. Lett.* **1999**, *1*, 467.
 17. Taylor, R. E.; Engelhardt, F. C.; Yuan, H. "Oligocyclopropane Structural Units from Cationic Intermediates" *Org. Lett.* **1999**, *1*, 1257.
 18. Taylor, R. E.; Schmitt, M. J.; Yuan, H. "Structural Diversity Based on Cyclopropane Scaffolds" *Org. Lett.* **2000**, *2*, 601.
 19. Taylor, R. E.; Engelhardt, F. C.; Schmitt, M. J.; Yuan, H. "Synthetic Methods for the Construction of Structurally Diverse Cyclopropanes" *J. Am. Chem. Soc.* **2001**, *123*, 2964.
 20. Taylor, R. E.; Chen, Y. "The Total Synthesis of Epothilones B and D" *Org. Lett.* **2001**, *3*, 2221.
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21. Engelhardt, F. C.; Schmitt, M. J.; Taylor, R. E. "Kinetically Controlled Cross-Metathesis Reaction with High *E*-Olefin Selectivity" *Organic Lett.* **2001**, 3, 2209.
22. Taylor, R. E. "The Organic Chemist's Newswire" (journal review) *Nature* **2001**, 413, 678-679.
23. Taylor, R. E.; Hearn, B. R.; Ciavarrri, J. C. "A Divergent Approach to Tedanolide and Myriaporone: Completion of the Carbon Skeleton of Myriaporone 1." *Org. Lett.* **2002**, 4, 2953.
24. Taylor, R. E. "Synthetic Methods for Chemical Diversity Inspired by Natural Products" *Natural Product Chemistry at the Turn of the Century*, **2002**, (eds. Rahman, Choudary, Khan; Print Arts, Karachi) p. 89
25. Taylor, R. E.; Chen, Y.; Beatty, A.; Myles, D. C.; Zhou, Y. "Conformation-Activity Relationships in Polyketide Natural Products. A New Perspective on the Rational Design of Epothilone Analogues" *J. Am. Chem. Soc.* **2003**, 125, 26-27.
26. Taylor, R.E; Risatti, C. A.; Engelhardt, F. C.; Schmitt, M. J. "Cyclopropane Structural Units from Homoaldol Adducts" *Org. Lett.* **2003**, 5, 1377-1379.
27. Vitale-Brown, A. Taylor, R. E. "Lewis Acid-Induced Epoxide Rearrangements" *Chemtracts* **2003**, 254-257.
28. Yoshimura, F.; Rivkin, A.; Gabarda, A. E.; Chou, T.-C.; Dong, H.; Sukenick, G.; Morel, F.F.; Taylor, R. E. Danishefsky S. J. "Synthesis and Conformational Analysis of (E)-9,10-Dehydro Epothilone B. A Suggestive Linkage Between Observations in the Chemistry and Biology of Epothilones." *Angew. Chem. Int. Ed.* **2003**, 42, 2518.
29. Taylor, R. E. Engelhardt, F. C. "Biosynthetic Inspirations: Cationic Approaches to Cyclopropane Formation" *Tetrahedron* **2003**, 59, 5623-5634.
30. Taylor, R. E.; Jin, M. "Towards the Total Synthesis of Peloruside A: Enantioselective Preparation of the C8-C24 Region" *Org. Lett.* **2003**, 5, 4959-4961.
31. Risatti, C. R.; Taylor, R. E. "Biomimetic Synthesis of Polycyclic Natural Products from Polyolefinic Precursors" *Chemtracts* **2004**, 83-91.
32. Yuan, H.; Junker, B.; Helquist, P.; Taylor, R. E. "Synthesis of Anti-Angiogenic Isocoumarins" *Current Organic Synthesis* **2004**, 1, 1-9.
33. Taylor, R. E.; Chen, Y.; Galvin, G. M.; Pabba, P. "Conformation-Activity Relationships in Polyketide Natural Products. Towards the Biologically Active Conformation of Epothilone" *Org. Biomol. Chem.* **2004**, 2, 127-132.
34. Paquette, W. D.; Taylor, R. E. "Enantioselective Preparation of the C1-C11 Fragment of Apoptolidin" *Org. Lett.* **2004**, 6, 104-106.
35. Suckow, M. A.; Gutierrez, L. S.; Risatti, C. A.; Wolter, W. R.; Taylor, R. E.; Pollard, M.; Navarri, R. M.; Castellino, F. J.; Paoni, N. F. "The Anti-ischemia Agent Ranolazine Promotes the Development of Intestinal Tumors in APC^(Min/+) Mice" *Cancer Lett.* **2004**, 209, 165-169.
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37. Risatti, C. A.; Taylor, R. E. "Enantioselective Synthesis of Cyclopropanes via Aldehyde Homologation" *Angew. Chem. Int Ed.* **2004**, 43, 6671-6672.
38. Jin, M.; Taylor, R. E. "The Total Synthesis of Peloruside A" *Org. Lett.* **2005**, 7, 1303-1305.
39. Paquette, W. D.; Taylor, R. E. "Conformationally Biased Macrocyclizations" *Chemtracts* **2005**, 18, 584.
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RICHARD E. TAYLOR and YUE CHEN "Derivatives of Epothilone Band D and Synthesis thereof" US Patent 6,900,331; May 31, 2005.

RICHARD E. TAYLOR “Regulation of Cholesterol Homeostasis”
US Patent 8,865,761; October 21, 2014.

RICHARD E. TAYLOR “Regulation of Cholesterol Homeostasis”
US Patent 9,193,715; November 24, 2015.

CURRENT GROUP MEMBERS

Graduate Students

Jeff Henry (5th year)
 Matt Rhodes (4th year)
 Kathryn Trentadue (3rd year)
 Chris Umaña (2nd year)
 Leah Cossin (1st year)

Undergraduates

Kyra Dvorak '20
 Claire Saltzman '21
 Thomas Kacious '21
 Luke Aloï '22

FORMER GROUP MEMBERS

<u>Graduate Students</u>	<u>Degree</u>	<u>Current or Immediate Position</u>
Eve Granatosky	Ph.D. (2018)	Policy Fellow; NHGRI (U.S. Senate)
Danielle Ronnow		(medical leave)
Patrick Lichtenberg	(MS track)	IUSB-Nursing
Chia Fu Chang	Ph. D. (2017)	Postdoc; Harvard University
Laura Woods	Ph.D. (2017)	Research Scientist; Covestro (DE)
Erik Larsen	Ph.D. (2016)	Assistant Prof. Bloomsburg University
Jarred Pickering	Ph.D. (2015)	Howard & Howard, PLLC (Detroit, MI)
Matthew Wilson	Ph.D. (2014)	Research Scientist; Vertex (Cambridge, MA)
Ian Harrier	M.S. (2013)	Warner, Norcross & Judd, PLLC (Detroit, MI)
Eric Stefan	Ph.D. (2013)	Scientist I, Biogen, Cambridge, MA
Grace Park	M.S. (2012)	Pharmacy Resident, Saint Joseph Hospital (Denver)
Jeanette Young	Ph.D. (2012)	Research Scientist (Spark Therapeutics, Phila.)
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Erin Daly	Ph.D. (2011)	McCarter & English, LLP (Boston, MA)
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Chris Nicholson	Ph.D. (2010)	Assistant Professor, Marian University
Kai Liu	Ph.D. (2009)	Eurofins Scientific Inc, Des Moines, IA
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Myriam Roy	Ph.D. (2008)	Maitre de Conférences, Sorbonne Université
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Seth Baughman	2005-2007	Quantifi Inc., Indianapolis, IN

FORMER GROUP MEMBERS

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Jeff Ciavari	Ph.D. (2001)	Millennium Pharmaceuticals (Boston, MA)	
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Brian Hearn	Ph.D. (2001)	Associate Director, ProLynx, LLC	
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<u>Postdoctoral Associates</u>	<u>Tenure</u>	<u>Current Position</u>	
Dr. Heeren Gordhan	(2017-2018)	Aerie Pharmaceuticals (Durham, NC)	
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Dr. Todd Eckroat	(2012-2014)	Assistant Professor (Penn State University-Erie)	
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Dr. Jeffrey Frein	(2007-2009)	Monsanto (St. Louis, MO)	
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Dr. Nathan Ross	(2002-2004)	CB Research and Development; New Castle, DE	
Dr. B. Sreenivasulu	(2002-2004)	Sai Life Sciences, India	
Dr. Wensheng Chen	(2002-2004)	UOP (Des Plaines, IL)	
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Dr. Mostofa Hena	(1999-2000)	NAEJA Pharma.; Edmonton, CA	
Dr. Haiqing Yuan	(1998-2000)	Allergan; Irvine, CA	
Dr. Steve Patterson	(1996-1998)	Univ. Minn, Assoc. Director, Drug Design Center	
<u>Undergraduates</u>			
Matthew Gartenhaus	Emily Zion	Eric Youn	Meredith Viera
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Kristin Hillgamyer	Jenny Brissette	Daniel Honigfort	Claire Sokas
Ryan Pietrocarlo	Simone Bigi	Blake Sutton	Meagan Sullivan
Tommy Gruffi	Tommy Osberger	Lauren Barton	Tanner Freman
John Mulvahill	Michael Johnson	Shannon Hart	Garrett Moraski
Mike Ameriks	Matt LaMarche	Greg Watkins	Adam Charnley
Nick Perl	Audrey Fetsko	George Timmins	David Carmack
Andres Fernando del Castillo		Michael Mulligan	Paul Wasuwanich