

Yousong Ding, Ph.D.

Department of Medicinal Chemistry
College of Pharmacy
University of Florida
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A. RESEARCH INTEREST

My research program primarily focuses on developing and synergistically combining diverse sets of approaches to discover and develop small molecules and biologics as new therapeutic leads that address significant unmet medical needs, particularly those for obesity, cardiovascular, cancer, diabetic, and infectious diseases. Researchers in the lab gain broad training spanning medicinal chemistry, organic chemistry, natural products, biochemistry, microbiology, molecular biology, cell biology, mechanistic enzymology, protein engineering, and synthetic biology.

B. EDUCATION AND RESEARCH EXPERIENCE

- 2013-present Assistant Professor **Department of Medicinal Chemistry, College of Pharmacy, University of Florida, Gainesville, FL**
Natural product-based drug discovery and development; synthetic biology in small molecule production; biocatalytic process development; functional characterization of small proteins.
- 2012-2013 Principal Scientist **Bioprocess Development Group, Pfizer, Kalamazoo, MI**
Led an interdisciplinary research team to develop bio-route for cost-efficient production of one best-selling blockbuster drug and to design novel route for significant reduction of cost and environmental contamination in production of a steroid-based drug. Principles of medicinal chemistry, protein engineering, and synthetic chemistry have been integrated in these studies.
- 2010-2012 Postdoctoral Fellow **California Institute of Technology, Pasadena, CA**
Advisor: Prof. Frances H. Arnold, Division of Chemistry and Chemical Engineering
Integrated protein engineering and synthetic biology for the production of biofuel and high-value chemicals.
- 2004-2010 Ph.D. in Medicinal Chemistry, **University of Michigan, Ann Arbor, MI**
Advisor: Prof. David H. Sherman, Medicinal Chemistry, Chemistry, Microbiology
Thesis: Characterization and analysis of biosynthetic systems from *Nostoc* sp. ATCC 53789 and selected fungal natural product pathways
- 2001-2004 M.S. Chemistry, **University of Nebraska, Lincoln, NE**
Advisor: Prof. Liangcheng Du, Chemistry
Thesis: Overexpression and characterization of three enzymes involved in fumonisin biosynthesis
- 1996-2000 B.S. Applied Chemistry, **Beijing University, China**
Advisor: Hongfang Sun, Technological Physics
Thesis: Syntheses of several biological micro-molecules for nicotine-DNA complex study

C. FINANCIAL SUPPORT

Current Support

- 5/14/16 – 5/13/19 Air Force Office of Scientific Research Young Investigator Award
“Engineering biosystems for aromatic nitration”
Role: Principal Investigator Total Award: \$360,000
- 6/1/16 – 5/31/18 Research Opportunity Fund, University of Florida
“Developing synthetic biology approaches for the production of nitroaromatics”
Role: Principal Investigator; Co-I: Steven Bruner; Rosemary Loria Total Award: \$90,000

5/1/17 –4/30/18 National High Magnetic Field Laboratory User Program
 “Discovery of bioactive microbial metabolites via synthetic biology approaches”
 Role: Principal Investigator Total Award: \$5,000

7/1/17-6/30/18 UF Synthetic Biology Pilot Program
 “Developing alternative biosynthetic routes of thiamine”
 Role: Co-I Total Award: \$42,000

Completed Support

7/1/15 – 12/31/17 Department of Defense Discovery Award
 “Engineering irisin for understanding its benefits to obesity”
 Role: Principal Investigator; Co-I: Li-jun Yang Total Award: \$224,390

12/1/15 – 11/30/16 UF Emerging Pathogen Institute Seed Fund
 “Targeting microbial branched-chain amino acids metabolism for the development of new antimicrobials”
 Role: Principal Investigator; Co-I: Steven Bruner Total Award: \$61,130

6/1/15 – 5/31/16 PROSPER Award, College of Pharmacy, University of Florida
 “Identifying the receptor of a newly discovered anti-obesity hormone via site-specific cross-linking”
 Role: Principal Investigator Total Award: \$40,000

5/1/15 – 4/30/16 ORAU Ralph E. Powe Junior Faculty Enhancement Award
 “Developing biotechnological approaches for producing novel anti-infective nitroaromatic compounds”
 Role: Principal Investigator Total Award: \$5,000

8/1/14 – 7/31/15 America Cancer Society-Institutional Research Grant, UF
 “Discovering and producing novel serine protease inhibitors as anticancer therapeutics”
 Role: Principal Investigator Total Award: \$30,000

8/1/14 – 9/30/14 ORAU Travel Award
 “Developing nitro-indole derivatives as novel antibiotics for peri-implantitis prevention and treatment”
 Role: Principal Investigator Total Award: \$800

D. AWARDS:

- 2017 Selected Early Career Investigator Speaker in Biological Chemistry Division by American Chemical Society, Washington DC (August, 2017)
- 2016 Air Force Office of Scientific Research Young Investigator
- 2015 DoD Discovery Award
- 2015 Ralph E. Powe Junior Faculty Enhancement Award of Oak Ridge Associated Universities
- 2014 Oak Ridge Associated Universities Travel Award
- 2012 Pfizer GMS Mission Award
- 2009-2010 Rackham Predoctoral Fellowship, University of Michigan
- 2000 Excellent BS Degree Thesis of Peking University

E. PUBLICATIONS

Independent Career at UF:

1. Hanson A, Amthor J, Sun J, Niehaus T, Gregory J, Bruner SD, **Ding Y**. Redesigning thiamin synthesis: Prospects and potential payoffs, under review.
2. Kallifidas D, Jiang G, **Ding Y**, Luesch H. Rational engineering of *Streptomyces albus* J1074 for the overexpression of secondary metabolite gene clusters, under review.
3. Jiang G, Zhang Y, Powell M, Zhang P, Zuo R, Zhang Y, Kallifidas D, Tieu A, Luesch H, Loria R*, **Ding Y***. Overproduction of herbicidal thaxtomins and analogs in a nonpathogenic *Streptomyces* strain, under review.
4. Zhang Y, Li K, Yang G, McBride JL, Bruner SD, **Ding Y**. A distributive peptide cyclase processes multiple microviridin core peptides within a single polypeptide substrate, revision submitted.

5. Yang G, Cozad M, Holland D, Zhang Y, Luesch H, **Ding Y**. Photosynthetic production of sunscreen shinorine using an engineered cyanobacterium, *ACS Syn. Biol.* **2018**, accepted
6. Zhang Y, Jiang G, **Ding Y***, Loria R*. Genetic background affects pathogenicity island function and pathogen emergence in *Streptomyces*, *Mol. Plant Pathol.* **2018**, accepted.
7. Yang G, Zhang Y, Lee NK, Cozad MA, Kearney SE, Luesch H, **Ding Y**. Cyanobacterial Sfp-type phosphopantetheinyl transferases functionalize carrier proteins of diverse biosynthetic pathways, *Sci. Rep.* **2017**, 7: 11888. doi: 10.1038/s41598-017-12244-3.
8. Zhang P, Li K, Yang G, Xia C, Polston JE, Li G, Li S, Lin Z, Yang LJ, Bruner SD*, **Ding Y***. Cytotoxic protein from the mushroom *Coprinus comatus* possesses a unique mode for glycan binding and specificity, *Proc. Natl. Acad. Sci. U. S. A.* **2017**, 114: 8980-8985.
9. Basak A, Abouelhassan Y, Zuo R, Yousaf H, **Ding Y**, Huigens RW. Antimicrobial peptide-inspired NH125 analogues: bacterial and fungal biofilm-eradicating agents and rapid killers of MRSA persisters, *Org. Biomol. Chem.* **2017**, 15: 5503-5512.
10. Zuo R, Zhang Y, Jiang C, Hackett JC, Loria R, Bruner SD, **Ding Y**. Engineered P450 biocatalysts show improved activity and regio-promiscuity in aromatic nitration, *Sci. Rep.* **2017**, 7: 842. doi: 10.1038/s41598-017-00897-z.
11. Li K, Conductor H, Li G, **Ding Y**, Bruner, SD. Precursor protein-directed peptide macrocyclization in ribosomal peptide biosynthetic pathways, *Nat. Chem. Biol.* **2016**, 12: 973-979.
12. Zhang Y, Bignell DR, Zuo R, Fan Q, Huguet-Tapia JC, **Ding Y**, Loria R. Promiscuous pathogenicity islands and phylogeny of pathogenic *Streptomyces*, *Mol. Plant. Microbe Interact.* **2016**, 29: 640-650.
13. Zhang Y, Xie C, Wang H, Foss RM, Clare M, George EV, Li S, Katz A, Cheng H, **Ding Y**, Tang D, Reeves WH, Yang LJ. Irisin exerts dual effects on browning and adipogenesis of human white adipocytes. *Am. J. Physiol. Endocrinol. Metab.* **2016**, 311: E530-541.
14. Tu D, Cheng X, Gao Y, Yang P, **Ding Y***, Jiang C*. Palladium-catalysed direct C-2 methylation of indoles. *Org. Biomol. Chem.* **2016**, 14: 7443-7446.
15. Zuo R, Garrison AT, Basak A, Zhang P, Huigens RW*, **Ding Y***. In vitro antifungal and antibiofilm activities of halogenated quinoline analogues against *Candida albicans* and *Cryptococcus neoformans*. *Int. J. Antimicrob. Agents.* **2016**, 48: 208-211.
16. Le J, Gao Y, **Ding Y***, Jiang C*. Cu-mediated C2-dehydrogenative homocoupling of indoles via C-H activation assisted by a removable *N*-pyrimidyl group. *Tetrahedron Lett.* **2016**, 57, 1728-1731.
17. Zuo R, Zhang Y, Huguet-Tapia JC, Mehta M, Dedic E, Bruner SD, Loria R, **Ding Y**. An artificial self-sufficient cytochrome P450 directly nitrates fluorinated tryptophan analogs with different regio-selectivity. *Biotechnol. J.* **2016**, 11, 624-632.
18. Zhang Y, Loria R, **Ding Y**. Applications of natural products from soil microbes. *Soil Ecosystem Services* (book chapter) doi:10.2136/2015.soilecosystemsservices.2015.0023
19. Xie C, Zhang Y, Tran TD, Wang H, Li S, George EV, Zhuang H, Zhang P, Kandel A, Lai Y, Tang D, Reeves WH, Cheng H, **Ding Y***, Yang LJ*. Irisin controls growth, intracellular Ca²⁺ signals, and mitochondrial thermogenesis in cardiomyoblasts. *Plos One* **2015**, 10: e0136816.
20. Yang G, **Ding Y**. Recent advances in biocatalyst discovery, development and their applications. *Bioorg. Med. Chem.* **2014**, 22: 5604-5612.

Note: * indicates co-corresponding author.

Prior to UF:

21. **Ding Y**, Rath CM, Bolduc KL, Håkansson K, Sherman DH. Chemoenzymatic synthesis of cryptophycin anticancer agents by an ester bond-forming non-ribosomal peptide synthetase module. *J. Am. Chem. Soc.* **2011**, 133:14492-14495.
22. **Ding Y**, Wet JR, Cavalcoli J, Li S, Greshock TJ, Miller KA, Finefield JM, Sunderhaus JD, McAfoos TJ, Tsukamoto S, Williams RM, Sherman DH. Genome-based characterization of two prenylation steps in the assembly of the stephacidin and notoamide anticancer agents in a marine *Aspergillus* sp. *J. Am. Chem. Soc.* **2010**, 132: 12733-12740.

23. **Ding Y**, Sherman DH. Chemoenzymatic synthesis of polyketides, non-ribosomal peptides and their hybrids. **Comprehensive Natural Products Chemistry Edition II, 2010**, Drs. Lew Mander and Hung-wen (ben) Liu ed. Elsevier, Volume 2, Chapter 17, 559
24. **Ding Y**, Miller KA, Greshock TJ, Sherman DH, Williams RM. Pre-malbrancheamide: synthesis, isotopic labeling, biosynthetic incorporation, and detection in cultures of *Malbranchea aurantiaca*. **Org. Lett. 2008**, 10: 4863-4866
25. **Ding Y**, Gruschow S, Greshock TJ, Finefield J, Sherman DH, Williams RW. Detection of VM55599 and Pre-paraherquamide from *Aspergillus japonicus* and *Penicillium fellutanum*: Biosynthetic Implications. **J. Nat. Prod. 2008**, 71: 1574-1578
26. Miller KA, Welch TR, Greshock TJ, **Ding Y**, Sherman DH, Williams RM. Biomimetic total synthesis of malbrancheamide and malbrancheamide B. **J. Org. Chem. 2008**, 73: 3116-3119
27. **Ding Y**, Williams RM, Sherman DH. Isolation and characterization of a 4-dimethylallyltryptophan synthase from *Malbranchea aurantiaca*. **J. Biol. Chem. 2008**, 283: 16068-16076
28. **Ding Y**, Seufert WH, Beck ZQ, Sherman DH. Analysis of the cryptophycin P450 epoxidase reveals substrate tolerance and cooperativity. **J. Am. Chem. Soc. 2008**, 130: 5492-5498
29. Du L, Yu F, Zhu X, Zaleta-Rivera K, Bojja RS, **Ding Y**, Yi H, and Wang Q. Biochemical and molecular analysis of the biosynthesis of fumonisins. (Polyketides: Biosynthesis, Biological Activities and Genetic Engineering. Rimando AM and Baerson SR ed.) **ACS Symposium Series 955**, ACS, Washington, D. C., pp 81-96. (2007).
30. Magarvey NA, Beck ZQ, Golakoti T, **Ding Y**, Huber U, Hemscheidt TK, Abelson D, Moore RE, Sherman DH. Biosynthetic characterization and chemoenzymatic assembly of the cryptophycins. Potent anticancer agents from cyanobionts. **ACS Chem. Biol. 2006**, 1:766-779.
31. Ding K, Lu Y, Nikolovska-Coleska Z, Qiu S, **Ding Y**, Gao W, Stuckey J, Krajewski K, Roller PP, Tomita Y, Parrish DA, Deschamps JR, Wang S. Structure-based design of potent non-peptide MDM2 inhibitors. **J. Am. Chem. Soc. 2005**, 127: 10130-10131.
32. **Ding Y**, Bojja RS, Du L. Fum3p is a 2-ketoglutarate dependent dioxygenase required for C-5 hydroxylation of fumonisins in *Fusarium verticillioides*. **Appl. Environ. Microbiol. 2004**, 70: 1931-1934.

F. PRESENTATIONS

1. *A cytotoxic protein from the mushroom Coprinus comatus possesses a unique glycan binding fold and specificity.* The 6th International Chemical Biology Society Meeting. Shanghai, China. October 19th, 2017.
2. *Multiple microviridin core peptides are processed by an ATP grasp ligase in a distributive and directional manner.* The 254th ACS national meeting. Washington, DC. August 22nd, 2017 (Selected Early Career Investigator Speaker in Biological Chemistry Division)
3. *A cytotoxic protein from the mushroom Coprinus comatus possesses a unique glycan binding fold and specificity.* Society for Industrial Microbiology and Biotechnology annual meeting. Denver, CO. July 31st, 2017.
4. *A distributive ATP grasp ligase macrolactonizes multiple microviridin core peptides within a single substrate.* Novartis. Changshu, Jiangsu Province, China. June 1st, 2017.
5. *A distributive ATP grasp ligase macrolactonizes multiple microviridin core peptides within a single substrate.* Nanjing University of Science & Technology. Nanjing, Jiangsu Province, China. May 31st, 2017.
6. *Develop synthetic biology approaches to produce nitro-compounds.* The 18th International Symposium on the Biology of Actinomycetes. Jeju Island, Korea. May 23rd to 27th, 2017.
7. *A distributive ATP grasp ligase macrolactonizes multiple microviridin core peptides within a single substrate.* ACS, Florida section. Tampa, FL. May 4, 2017 - May 6, 2017.
8. *Interdisciplinary Approaches in Drug Research.* ACS chemistry club at UF. Gainesville, FL. Jan 26, 2017.
9. *Engineering Biosystems for Aromatic Nitration.* Air Force Office of Scientific Research. Fort Walton Beach FL. Dec 7, 2016.
10. *Developing bio-systems to produce fine chemicals.* UF Genetic Institute. Dec 1, 2016.
11. *A novel type of lectins from a mushroom exhibits antiviral and anticancer activities.* Florida Chinese Faculty Association. Jacksonville, FL. Sep 4, 2016.

12. *Developing biocatalysts for the production of nitroaromatics*. Society for Industrial Microbiology and Biotechnology annual meeting. New Orleans, LA. Jul 25, 2016.
13. *Beneficial Effects of Irisin on Human Health*. American Chemical Society Florida Section. Palm Harbor, FL. May 6, 2016 - May 7, 2016
14. *Exploring the Biosynthetic Potential of Microbes and Beyond*. UF CNPD3. Gainesville, FL Apr 29, 2016.
15. *Exploring biosynthetic potential of a marine Streptomyces strain*. Gordon Conference. Ventura, CA. Mar 6, 2016 - Mar 11, 2016 (poster).
16. *Drugs, Engineering, and Evolution for Better*. UF ACS Chemistry Club. Gainesville, FL, Feb 4, 2016.
17. *Discovering and Producing Bioactive Natural Products Using Synthetic Biology Approaches*. UF Cancer Center. Gainesville, FL, Jan 29, 2016.
18. *Drugs, Engineering, and Evolution for Better*. *UF Science for Life*. UF campus. Gainesville, FL, Nov 11, 2015.
19. *New approaches toward producing bioactive nitroaromatics*. Chemistry Department, University of Florida, Gainesville, FL October 3rd, 2014.
20. *New approaches toward producing bioactive nitroaromatics*. Virginia Commonwealth University, Richmond, VA September 26th, 2014.

G. PATENTS AT UF:

1. **Ding Y**, Zuo R. Highly active self-sufficient nitration biocatalysts PCT/US2017/058579, **2017**.
2. **Ding Y**, Zhang P, Bruner S. A fungal glycan binding protein possesses antiviral and anticancer activity US 62/537,021, **2017**.
3. **Ding Y**, Yang G. Cyanobacterial hosts and methods for producing chemicals US 62/537,516 and 62/611,634, **2017**.
4. Loria R, Zhang Y, **Ding Y**, Jiang G. Methods for thaxtomin production and engineered non-native *Streptomyces* with increased thaxtomin production US 62/509,792, **2017**.
5. **Ding Y**, Jiang G. Cost-effective production of thaxtomins. US 62/591,876, **2017**.
6. **Ding Y**, Zuo R, Loria R. Artificial self-sufficient cytochrome P450s PCT (**2016**) WO 2016/134145 A2.

H. UNIVERSITY OF FLORIDA AFFILIATION

- Center for Natural Products, Drug Discovery and Development (CNPD3)
- Emerging Pathogens Institute (EPI)
- UF Health Cancer Center
- UF Informatics Institute
- UF Biodiversity Institute
- The National High Magnetic Field Laboratory (NHMFL)

I. COURSE TEACHING

1. **PHA 6447: Drug Design** (3 Credits. Spring 2014; Fall 2015; Spring, 2018. Six lectures).
2. **PHA 6435: Biosynthetic Logic of Medicinal Natural Products** (3 Credits, Spring 2016; Fall 2017. Co-teaching with Prof. Bruner from Chemistry).
3. **PHA 6934: Seminar in Medicinal Chemistry** (1 Credit. Coordinator of 2016-2017).
4. **GMS 6009: Principles of Drug Action** (3 Credits. Spring 2015; Spring 2016; Spring 2017; Spring 2018. One lecture).
5. **PHA 5433: Fundamentals of Medicinal Chemistry** (Fall 2014. Six lectures).
6. **PHA 5438: Medicinal Chemistry II** (Spring 2015; Spring 2016. Four lectures)
7. **PHA 5439: Principles of Medicinal Chemistry & Pharmacology I** (Fall 2015; Fall 2016; Fall 2017. Nine lectures and two active learning sessions)
8. **PHA 5782C: Patient Care 2** (Fall 2016; Fall 2017. Two lectures and two active learning sessions)
9. **PHA 5788C: Patient Care 3** (Fall 2016; Fall 2017. Four lectures and four active learning sessions)
10. **BCH 4905: Science for Life Research Seminar**. (1 Credit. Fall 2015. One lecture).
11. **HUM2930/IDS2935: Research Methods for Undergraduate Students at UF** (1 Credit. Summer, 2017. One lecture).

J. LABORATORY PERSONNEL ADVISING

Postdoctoral Fellow Advising

- | | | |
|---------------|-----------|---------------------------------------|
| 1. Guang Yang | 2014-2017 | looking for a position (August, 2017) |
|---------------|-----------|---------------------------------------|

Visiting Scholar Advising

- | | | |
|-----------------|-----------|---|
| 1. Chao Jiang | 2016-2017 | Associate Professor, Nanjing University of Science and Technology, China |
| 2. Yu Sha | 2014-2015 | Associate Professor, Shenyang Pharmaceutical University, China |
| 3. Tariq Ismail | 2015 | Ph.D. student candidate, COMSAT Institute of information Technology, Pakistan |
| 4. Hongfen Yang | 2014-2015 | Graduate student, Medicinal Chemistry, UF |

Graduate Student Advising

- | | |
|------------------|--------------|
| 1. Ran Zuo | 2013-present |
| 2. Guangde Jiang | 2014-present |
| 3. Peilan Zhang | 2014-present |
| 4. Yi Zhang | 2014-present |
| 5. Manyun Chen | 2017-present |
| 6. Dake Liu | 2017-present |

PharmD Student Advising

- | | |
|---------------------|--------------------|
| 1. Julian Rashid | Summer, 2014 |
| 2. Joshua L McBride | Summer, 2015 |
| 3. XiaoBin Chen | 2015-2016 |
| 4. Jaehyeok Roh | Fall, 2017-present |

Undergraduate Student Advising

- | | | |
|------------------------|--------------|---|
| 1. Evelina Dedic | 2013-2015 | Medical School, Nova Southeastern University |
| 2. Mishal P Mehta | 2013-2015 | PharmD, University of Florida |
| 3. Erica Christenson | 2014-2015 | Medical School, University of Massachusetts |
| 4. Harrison J Bonilla | 2013-2014 | Medical Masters Program, Boston University School of Medicine |
| 5. Kimberly Loudermilk | 2015 | |
| 6. Sunny Aroda | 2015 | |
| 7. Wesley Dickerson | 2015 | |
| 8. Nina Jovic | 2015 | |
| 9. Nicholas Lee | 2016-2017 | |
| 10. Nilay S Dharma | 2016-2017 | |
| 11. Kyle Volland | 2016-2017 | PharmD, University of Florida |
| 12. Albert Tieu | 2016-2017 | University Emerging Scholar |
| 13. Sara Kearny | Summer, 2016 | Wheaton College |
| 14. Jada Brooks | Summer, 2016 | Bethune-Cookman University |
| 15. Ariana E. Santiago | Summer, 2017 | REU of HMFL, University of Puerto Rico |
| 16. Steven Crichton | 2016-2017 | |
| 17. Ashley Womer | 2017 | |
| 18. Magan Powell | 2015-present | University Emerging Scholar and University Research Scholar |
| 19. Monica Cozad | 2016-present | MS student in Microbiology |
| 20. Destin Holland | 2017-present | |

High School Student Advising

- | | | |
|---------------------|--------------|---|
| 1. Julius Chai | Summer, 2015 | Undergraduate student in Georgia Tech |
| 2. Padmavathi Reddy | Summer, 2016 | Undergraduate student at Johns Hopkins University |

3. Kathryn Wulber Summer, 2017

Mentee Award

- | | | |
|-----------------------|------|--|
| 1. Magan Powell | 2015 | University Emerging Scholar |
| 2. Julius Chai | 2015 | 2 nd prize of SSEP program |
| 3. Magan Powell | 2016 | University Research Scholar |
| 4. Padmavathi Reddy | 2017 | Intel Science Fair: First place in the state of Florida (\$1,000 prize) and 4 th at the international level |
| 5. Padmavathi Reddy | 2017 | High School Division Winner at the National Level of Sigma Xi Research Showcase (\$500) |
| 6. Magan Powell | 2017 | University Research Scholar |
| 7. Albert Tieu | 2017 | University Research Scholar |
| 8. Ariana E. Santiago | 2017 | 2 nd place of REU of HMFL research poster competition |
| 9. Guang Yang | 2017 | Selected presenter in the Science Slam of 2017 |
| 10. Yi Zhang | 2017 | SIMB annual meeting |
| 11. Peilan Zhang | 2017 | Best poster award, 2017 UF COP Research Showcase |
| 12. Ran Zuo | 2017 | Oral competition winner of 2 nd UF Drug Discovery Symposium |
| | | Best poster award of 2 nd UF Drug Discovery Symposium |

Ph.D. Student Committees Served On

Chair	2014-present	Peilan Zhang	Pharmaceutical Sciences
Chair	2014-present	Guangde Jiang	Pharmaceutical Sciences
Chair	2014-present	Yi Zhang	Pharmaceutical Sciences
Chair	2013-present	Ran Zuo	Pharmaceutical Sciences
Chair	2017-present	Manyun Chen	Pharmaceutical Sciences
Co-Chair	2017-present	Dake Liu	Pharmaceutical Sciences
Member	2014-present	Danmeng Luo	Pharmaceutical Sciences
Member	2013-2017	Aaron Garrison	Pharmaceutical Sciences
Member	2014-present	Verrill Norwood	Pharmaceutical Sciences
Member	2013-present	Nicholas Paciaroni	Pharmaceutical Sciences
Member	2015-present	Katherine Cisneros	Pharmaceutical Sciences
Member	2013-2017	Weijing Cai	Pharmaceutical Sciences
Member	2013-2017	Marci Smeltz	Pharmaceutical Sciences
Member	2013-2016	Guo Zhong	Pharmaceutical Sciences
Member	2016-present	Mukesh Pappoppula	Chemistry
Member	2014-2017	Louis Mouterde	Chemistry
Member	2017-present	Arun Kizhakkayil Mangadan	Chemistry
Member	2017-present	Dominic Rucco	Chemistry
Member	2015-present	Naga Guntaka	Chemistry
Member	2016	Bobby Garrett	Chemistry
Member	2016-present	Peter Vertesaljai	Chemistry
Member	2016-present	Primali Navaratne	Chemistry
Member	2015-present	Mayra Vendramini Tuiche	Chemistry
Member	2014-2017	Sarah F. Beaudoin	Chemistry
Member	2015-present	Ji Liu	Chemistry
Member	2015-present	Hyunjun Choe	Chemistry
Member	2016-present	Prabhanshu Tripathi	Chemistry
Member	2014-2017	Lindsey DeRatt	Chemistry
Member	2016-present	Kathryn Olsen	Chemistry
Member	2016-2017	Wei-Hung Chen	Chemistry
Member	2014-2016	Romain Miotto	Chemistry
Member	2014-2017	Quinton Allen	Chemistry

K. COMMUNITY SERVICE AND OUTREACH:

Committee

1. UF CoP Admission Committee (member, 2016-present)
2. UF CoP Scholarship and Awards Committee (member, 2014-present)
3. Medicinal Chemistry Department Chair Search Committee (member, 2015)
4. Medicinal Chemistry Department Faculty Search Committee (member, 2014-present)
5. Medicinal Chemistry Admission Recruiting (2013-present)
6. Convener of a session in 2017 Society for Industrial Microbiology & Biotechnology annual meeting
7. UF Center for Undergraduate Research Symposium presenter (2014, 2016, 2017)

Grant Review Committee

1. ACS Petroleum Research Fund (Jun, 2014)
2. The Leverhulme Trust Foundation (UK, Feb, 2015)
3. Czech Science Foundation (Sept, 2015)
4. UF CoP PROSPER Award Review (Sept, 2015)
5. University of Western Sydney (Sept, 2015) Ph.D. Dissertation Reviewer
6. National Science Foundation (CLP, Oct 2015)
7. Hong Kong The Innovation and Technology Commission (ITC) (Nov, 2015)
8. Florida Atlantic University Proposal Review (Mar, 2016)
9. University of Sharjah UAE proposal review (August, 2016; August, 2017)
10. British Society for Antimicrobial Chemotherapy (January, 2017)
11. Ohio University Research Committee (Nov, 2017)

Journal Review

Applied Microbiology and Biotechnology, Analytical and Bioanalytical Chemistry, Journal of Agricultural and Food Chemistry, Metabolism, Scientific Reports, ACS Combinatorial Science, JACS, PNAS, Bioorganic and Medicinal Chemistry, Oncotarget, Journal of Microbial & Biochemical Technology, Enzyme and Microbial Technology, Environmental Microbiology and Environmental Microbiology Reports, Plos One, BMC Genomics, BMC Microbiology, Chemical Science, Chemical & Biology Interface, Current Reviews in Biotechnology.

Professional Memberships

American Chemical Society	2005-present
Sigma Xi	2008-present
Society for Industrial Microbiology & Biotechnology	2016-present
American Association for the Advancement of Science	2015-present
International Chemical Biology Society	2017-present
American Peptide Society	2017-present