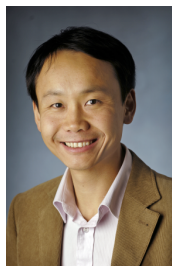


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EDUCATION

Yale University (09/1999 – 08/2004)

Ph. D. in Organic/Bioorganic Chemistry (Thesis Advisor: Professor Andrew D. Hamilton, Ph.D., FRS)

Peking University (09/1995 – 07/1999)

B.S. in Applied Chemistry

EMPLOYMENT

University of Colorado at Boulder (08/2007 – Present)

Assistant Professor of Chemistry and Biochemistry

University of Pennsylvania School of Medicine (09/2004 – 07/2007)

Post-doctoral Associate (Mentor: Professor William F. DeGrado, Ph.D.)

SELECTED ACADEMIC RECOGNITIONS

- NSF CAREER Award, National Science Foundation (2010)
- SU2C IRG Award, Stand Up to Cancer Foundation (2010)
- Gertrude B. Elion Award, American Association for Cancer Research (2009)
- Cutting-Edge Basic Research Award, NIDA (2009)
- New Inventor of the Year, University of Colorado (2009)
- Early Career Award in Chemistry of Drug Abuse and Addiction, NIDA (2009)
- Dean's Fund for Excellence, CU College of Arts and Sciences (2009)
- Collaborative Innovation Award, Howard Hughes Medical Institute (2008)
- Kimmel Scholars Award, Sidney Kimmel Foundation (2008)
- Junior Faculty Development Award, University of Colorado (2008)
- Pediatric Cancer Research Grant Award, Association for Research of Childhood Cancer (2008)
- Wood-Whelan Fellowship, International Union of Biochemistry & Mol. Biology (2007)
- Young Investigator Scholarship, Alzheimer's Drug Discovery Foundation (2007)
- Most Cited Paper 2004-2007 Award, Elsevier (2007)

SELECTED PUBLICATIONS IN LAST 5 YRS (H-INDEX= 15)

1. Joce, C.; Wiener, A. A.; ***Yin, H.** "Multi-Tox: A ToxR-Based Assay for Multi-Pass Transmembrane Domain Oligomerization", *Biochim. Biophys. Acta.* **2011**, *1808*, 2948-2953.
2. Cheng, K.; Wang, X. H.; ***Yin, H.** "Small Molecule Inhibitors of the TLR3/dsRNA Complex", *J. Am. Chem. Soc.* **2011**, *133*, 3764-3767.

3. Chavez, S. A.; Martinko, A. J.; Lau, C.; Pham, M. N.; Cheng, K.; Mollnes, T. E.; ***Yin, H.** “Development of β -Amino Alcohol Derivatives that Inhibit TLR4-Mediated Inflammatory Response as Potential Antiseptics”, *J. Med. Chem.* **2011**, *54*, 4659-4669.
4. Sammond, D. W.; Joce, C.; Takeshita, R.; McQuate, S.; Ghosh, N.; Martin, J. M.; ***Yin, H.** “Transmembrane Peptides Used to Investigate the Homo-Oligomeric Interface and Binding Hot-Spot of Latent Membrane Protein 1”, *Biopolymers* **2011**, *95*, 772-784 (cover article).
5. Liu, L. P.; Ghosh, N.; Slivka, P. F.; Fiorini, Z.; Hutchinson, M. R.; Watkins, L. R.; ***Yin, H.** “An MD2 Hot-Spot Mimicking Peptide that Suppresses TLR4-Mediated Inflammatory Response In Vitro and In Vivo”, *ChemBioChem* **2011**, *12*, 1827-1831 (cover article).
6. Bevan, D. E.; Martinko, A. J.; Loram, L. C.; Stahl, J. A.; Taylor, F. R.; Joshee, S.; Watkins, L. R.; ***Yin, H.** “Selection, Preparation, and Evaluation of Small-Molecule Inhibitors of Toll-Like Receptor 4”, *ACS Med. Chem. Lett.* **2010**, *1*, 194-198.
7. Buchanan, M. M.; Hutchinson, M. R.; Watkins, L. R.; ***Yin, H.** “Toll-like Receptor 4 in CNS Pathologies”, *J. Neurochem.* **2010**, *114*, 13-27.
8. Joce, C. M.; Stahl, J. A.; Shridhar, M.; Hutchinson, M. R.; Watkins, L. R.; Fedichev, P. O.; ***Yin, H.** “Application of a Novel In Silico High Throughput Screen to Identify Selective Inhibitors for Protein-Protein Interactions”, *Bioorg. Med. Chem. Lett.* **2010**, *20*, 5411-5413.
9. Zhao, T. X.; Martinko, A. J.; Vy, L. H.; Zhao, J.; ***Yin, H.** “Development of Agents That Modulate Protein-Protein Interactions in Membranes”, *Curr. Pharm. Des.* **2010**, *16*, 1055-1062.
10. Slivka, P. F.; Shridhar, M.; Lee, G. I.; Sammond, D. W.; Hutchinson, M. R.; Martinko, A. J.; Buchanan, M. M.; Sholar, P. W.; Kearney, J. J.; Harrison, J. A.; Watkins, L. R.; ***Yin, H.** “A Peptide Antagonist of the TLR4/MD2 Interaction”, *ChemBioChem* **2009**, *10*, 645-649.
11. Tang, J.; **Yin, H.**; Qiu, J.; Tucker, M. J.; DeGrado, W. F.; Gai, F. “Two Fluorescent Probes to Dissect the Binding, Insertion, and Dimerization Kinetics of a Model Membrane Peptide”, *J. Am. Chem. Soc.* **2009**, *131*, 3816-3817.
12. Li, Y.; Chase, A. R.; Slivka, P. F.; Baggett, C. T.; Zhao, T. X.; ***Yin, H.** “Design, Synthesis, and Evaluation of Biotinylated Opioid Derivatives as Novel Probes to Study Opioid Pharmacology”, *Bioconjug. Chem.* **2008**, *19*, 2585-2589.
13. Caputo, G. A.; Litvinov, R. I.; Li, W.; Bennett, J. S.; DeGrado, W. F.; ***Yin, H.** “Computationally Designed Peptide Inhibitors of Protein-Protein Interactions in Membranes”, *Biochemistry* **2008**, *47*, 8600-8606.
14. Slivka, P. F.; Wong, J.; Caputo, G. A.; ***Yin, H.** “Peptide Probes for Protein Transmembrane Domains”, *ACS Chem. Biol.* **2008**, *3*, 402-411 (highlighted in *Chemical Biology Podcast*).
15. ***Yin, H.** “Exogenous Agents that Target Transmembrane Domains of Proteins”, *Angew. Chem. Int. Edit.* **2008**, *47*, 2744-2752 (cover article).
16. **Yin, H.**; Slusky, J. S.; Berger, B. W.; Walters, R. S.; Vilaire, G.; Litvinov, R. I.; Lear, J. D.; Caputo, G. A.; Bennett, J. S.; DeGrado, W. F. “Computational Design of Peptides that Target Transmembrane Helices”, *Science* **2007**, *315*, 1817-1822 (featured in “News of the Week” *Chem. Eng. News* **2007**, *85*, 11; and “News and Views” *Nat. Biotech.* **2007**, *25*, 646).

CURRENT RESEARCH SUPPORTS (FY2010)

NCI (PI, NIH CA138373/S1-3), NIDA (PI, NIH DA025740, 026950, 027977), NINDS (PI, NIH NS067425), NIGMS (NIH GM008759, 065103), NCCR (NIH RR025780), NSF (PI, CAREER 0954819), Howard Hughes Medical Institute (PI, HHMI CIA), Stand Up to Cancer (PI, SU2C IRG), American Heart Association (PI, AHA 0960007G), American Association for Cancer Research/GlaxoSmithKline (PI, AACR Elion Award), Sidney Kimmel Foundation for Cancer Research (PI, SKF-08-101), National Academy of Sciences/W. M Keck Foundation (PI, NAKFI Seed Grant), C2D2, 2011/2012 CO BDEG