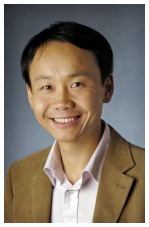
HANG (HUBERT) YIN



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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

- Distinguished Junior Faculty Award, Chinese-American Chem. & Chem. Biol. Prof. Assn. (2012)
- 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= 16)

1. Wang, X. H.; Loram, L. C.; Ramos, K.; de Jesus, A.; Thomas, J.; Cheng, K.; Reddy, A.; Somogyi, A. A.; Hutchinson, M. R.; Watkins, L. R.; ***Yin**, **H**. "Morphine Activates Neuroinflammation in a Parallel Manner to Endotoxin", *Proc. Natl. Acad. Sci. U. S. A.* **2012**, *109*, 6325-6330 (highlighted in *This Week in PNAS,* Featured on the website of *the Association of American Universities*).
2. 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.

3. Cheng, K.; Wang, X. H.; ***Yin, H.** "Small Molecule Inhibitors of the TLR3/dsRNA Complex", *J. Am. Chem. Soc.* **2011**, *133*, 3764-3767.
4. 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.
5. 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).
6. 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).
7. 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.
8. Buchanan, M. M.; Hutchinson, M. R.; Watkins, L. R.; ***Yin**, **H.** "Toll-like Receptor 4 in CNS Pathologies", *J. Neurochem.* **2010***, 114,* 13-27.
9. 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.
10. 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.
11. 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.
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 (FY2012)

NCI (PI, NIH CA138373/S1-3, 165349), NIDA (PI, NIH DA025740, 026950), NINDS (PI, NIH NS067425), NIGMS (NIH GM065103), NSF (PI, CAREER 0954819), Howard Hughes Medical Institute (PI, HHMI CIA), American Association for Cancer Research/Stand Up to Cancer (PI, SU2C IRG), National Academy of Sciences/W. M Keck Foundation (PI, NAKFI Seed Grant), 2011/2012 CO BDEG (PI), NIST, CSC, CU Biofrontiers Institute (PI, Butcher Seed Grant)