



## Postdoc Opportunity TLR biology/ drug discovery at the Univ. of Utah

### Job Summary

A postdoctoral position for studying Toll-like receptor (TLR) signaling pathways and developing small molecule TLR inhibitors is available immediately in the Microbiology & Immunology Division, Department of Pathology at the University of Utah. The University of Utah Health was ranked 19th out of 100 top health care institutions worldwide for scientific research by the Nature Index.

In previous work we developed an innovative drug screening platform to identify small molecules with TLR-inhibitory activity using high throughput screening (HTS)(Science Signaling 2018, <https://www.ncbi.nlm.nih.gov/pubmed/30108181>; ChemMedChem 2018, <https://www.ncbi.nlm.nih.gov/pubmed/30117269>). We are currently extending this HTS approach to identify and characterize novel TLR-inhibitory compounds. The focus of this preclinical drug development project is to characterize hits with respect to mechanism of action, structure activity relationship and in vitro/ in vivo activity. The goal is to identify novel TLR small molecule inhibitors as probes to explore TLR signal transduction and as possible starting point for future anti-inflammatory drug development.

**Responsibilities:** The project provides an ideal opportunity for fellows who are interested in (i) innate immunity and inflammation, (ii) signal transduction and (iii) drug development. For more information related to the lab, the breadth of resources at the University of Utah and the stunning environment of Salt Lake City/ Utah please see: <https://medicine.utah.edu/pathology/research/labs/hans-haecker/>

### Qualifications and Preferences

Applicants should hold a PhD and/or MD degree in Biochemistry, Biology or Immunology. The ideal candidate should have expertise in cellular and molecular biology, signal transduction and, preferably, protein biochemistry.

**Work Schedule Summary** Monday – Friday with some occasional evening and weekend work.

**Pay Rate Range** \$50,004 - \$52,896

**Application:** To apply, please send a cover letter as well as CV including publication history and three professional references to Dr. Hans Haecker, Professor at the Microbiology & Immunology Division of the Pathology Department, University of Utah, using the following link: <http://utah.peopleadmin.com/postings/100471>

