**EDUCATION**

**POSTDOCTORAL:**

**Indiana University School of Medicine** Indianapolis, IN

Medicine Internship 2015-2016

General Neurology Residency 2016-Present

**GRADUATE:**

**Indiana University School of Medicine** Gary, IN & Indianapolis, IN

Medical Doctorate 2011-2015

**UNDERGRADUATE:**

**Purdue University** West Lafayette, IN

Bachelor of Science in Biochemistry 2007-2011

**PROFESSIONAL ORGANIZATIONS**

**American Academy of Neurology** 2016-Present

**Indiana Neurological Society** 2016-Present

**HONORS**

**Undergraduate**

Recipient of Gruel Memorial Scholarship2010-2011

Recipient of Discovery Park Internship Program Scholarship2010-2011

**RESEARCH EXPERIENCE**

**Purdue University – Department of Medicinal Chemistry and** West Lafayette, IN

**Molecular Pharmacology** April – August 2011

Research Assistant

* Project Title: Sensitive Kinase Assay Linked with phosphoproteomics for Identifying Direct Kinase Substrates
* Principal Investigator: Dr. W. Andy Tao
* Investigated the use of a kinase assay with phosphoproteomics for determining direct kinase substrates
* Maintained and collected cell cultures, prepared cell samples, and aided in determining optimal experiment conditions

**Purdue University - Discovery Park Research Internship** West Lafayette, IN

Project Manager August 2010-April 2011

* Project Title: Effects of Nanoparticles on Cell Signaling Pathways
* Principal Investigator: Dr. W. Andy Tao
* Investigated the effects of gold nanoparticles on phosphorylation cascades
* Maintained, stimulated and collected cell cultures, prepared samples and performed western blot analysis

**Purdue University – Department of Medicinal Chemistry and** West Lafayette, IN

**Molecular Pharmacology** May 2009 – August 2010

Research Assistant

* Project Title: Identification of drug targets in vitro and in living cells
* Principal Investigator: Dr. W. Andy Tao
* Investigated the use of a soluble nanopolymers for probing drugs targets
* Maintained/collected cell cultures and prepared samples

**PUBLICATIONS**

Xue L, Wang WH, Iliuk A, Hu L, Galan JA, Yu S, **Hans M**, Geahlen RL, Tao WA. Sensitive kinase assay linked with phosphoproteomics for identifying direct kinase substrates. *Proc Natl Acad Sci USA*. 2012;109(15):5615-20.

Hu, Lianghai, and Anton Iliuk, and Jacob Galan, and **Michael Hans**, and W. Tao. "Identification of Drug Targets in vitro and in Living Cells by Soluble Nanopolymer-based Proteomics." *Angewandte Chemie International Edition* 50 (2011): 4133-4136.

**PRESENTATIONS**

**Grand Rounds: “Wernicke’s Encephalopathy”** 11/2017

Indiana University Neurology Grand Rounds Indianapolis, IN

* Presented a quality assurance case on wernicke’s encephalopathy

**Grand Rounds: “Up in Flames: An Expanding Differential”** 6/2017

Indiana University Neurology Grand Rounds Indianapolis, IN

* Presented an interesting case of acute disseminated

Encephalomyelitis following S. pneumococcal meningitis

**Grand Rounds: “I Take My Sugar With Coffee and Cream”** 2/2017

Indiana University Neurology Grand Rounds Indianapolis, IN

* Presented a quality assurance case on stroke and provided

an update on tPA inclusion/exclusion criteria

**Grand Rounds: “Superficial Siderosis”** 10/2014

Indiana University Neurology Grand Rounds Indianapolis, IN

* Presented an educational case of superficial siderosis

**SERVICE/LEADERSHIP**

**Neurology Residency Recruitment Committee** Indianapolis, IN

Committee Member September 2017-Present

* Assist in giving guided tours, presentations about life in Indianapolis, and participate in ranking of resident applicants

**Indiana School of Medicine Interview Day Q&A Panel** Indianapolis, IN

Panel Volunteer November 2013

* Provided insight to students interviewing at Indiana University School of Medicine by answering questions regarding classes, campus life, and other suggestions for succeeding in medical school

**Biochemistry Buddies** West Lafayette, IN

Mentor June 2009 – August 2010

* Mentored an incoming freshman biochemistry student and provided insight to class, instructors and ways to succeed

**TEACHING EXPERIENCE**

**Indiana University School of Medicine** Gary, IN

Biochemistry Tutor August-September 2012

* Tutored first year medical students in biochemistry

**Indiana University School of Medicine – Gross Anatomy Practicum Series** Gary, IN

Student Teacher 2011

* Educated various groups, including local pre-professional college students and EMS personnel, regarding cadaver anatomy and how to analyze radiographs, MRIs, and CTs.