

CHELSEA M. SLOAN

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521 N Franklin Ave
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EDUCATION

UNIVERSITY OF CHICAGO Chicago, IL
Bachelor of Arts in Biology June 2013
Cumulative GPA: 3.5

EXPERIENCE

ADVANCED PHYSIOMIC & PULMONARY IMAGING LABORATORY Iowa City, IA
Laboratory Engineer and Research Assistant December 2013-June 2016

- Coordinated execution of animal physiologic imaging research studies (CT and MRI)
- Performed billing and purchasing duties for laboratory facility
- Maintained and updated records for laboratory and contribute to ACURF protocols and amendments
- Drafted and implemented a cohesive laboratory manual of standard operating procedures and lab guidelines
- Trained and oversaw undergraduate students in data analysis using APOLLO segmentation software
- Implemented daily QC for imaging deviations and errors in reconstruction data from multiple sites for nationwide human imaging studies
- Collected data points in human studies using LabView software programming
- Contributed to research abstracts and papers
- Presented poster abstract at national ATS meeting
- Prepared for and participated in lab audits by IACUC board and University of Iowa EHS
- Collaborated with research faculty and physicians to form experiment protocols

UNIVERSITY OF CHICAGO SLEEP & METABOLISM RESEARCH LAB Chicago, IL
Research Assistant September 2011-June 2012

- Demonstrated clinical lab research expertise in endocrinology and sleep research
- Administered tests and collected data inputs from subjects
- Interpreted Sleep EEG and WEEG recordings
- Programmed electrode placement and utilized trouble shooting methods for accurate measurements
- Operated laboratory data software, Actiwatch, Actiheart/Cardio monitors, and Blood Pressure devices

THE COLLABORATIVE URBAN RELIEF & EDUCATION PROJECT Chicago, IL
Jeff Metcalf Summer Intern March 2010-September 2010

- Spearheaded the groundwork for a health clinic in Chicago for the disadvantaged run non-for-profit
- Organized and audited budgets for a free weeklong clinic to be held in Chicago
- Oversaw with Illinois Governor Pat Quinn for bill signing allowing operation of free healthcare clinics

PEER HEALTH EXCHANGE Chicago, IL
Co-Coordinator and Senior Health Educator, *University of Chicago* Sept. 2009-2011

- Delegated and trained 12 team leadership council members
- Coordinated and co-led weekend training workshops for 40+ volunteers
- Coached and evaluated Health Education curriculum, specializing in nutrition, decision making, and mental health at Chicago public high schools
- Executed and oversaw health classes at participating high schools and organized volunteer teachers' travel arrangements
- Developed excellent public speaking skills while leading weekly meetings and networking with organizational donors

PUBLICATIONS

Hammond, E., Sloan, C., Newell, J.D., Sieren, J.P., Saylor, M., Vidal, C., Hogue, S., De Stefano, F., Sieren, A., Hoffman, E.A., Sieren, J.A. (Accepted, June 2017), **Comparison of Low and Ultra-Low Dose Computed Tomography Protocols for Quantitative Lung and Airway Assessment**. *Med. Phys.*

O'Connell, D. P., Thomas, D. H., Dou, T. H., Lamb, J. M., Feingold, F., Low, D. A., Fuld, M. K., Sieren, J. P., Sloan, C., Shirk, M. A., Hoffman, E. A. and Hofmann, C. (2015), **Comparison of breathing gated CT images generated using a 5DCT technique and a commercial clinical protocol in a porcine model**. *Med. Phys.*, 42: 4033–4042. doi:10.1118/1.4922201

CONFERENCE POSTER PRESENTATIONS

American Thoracic Society Annual Meeting, San Francisco, CA May 2016:

Comparison of Low and Ultra-Low Dose Computed Tomography Protocols through Quantitative Lung Airway Assessment.

C. Sloan, J.D. Newell Jr., J.C. Sieren, J.P. Sieren, M. Shirk, C. Vidal, S. Hogue, F. De Stefano, E. Hammond, A. Sieren, E.A. Hoffman.

HONORS

Deans List, *University of Chicago*

National Questbridge Scholar, *University of Chicago* 2008-2013

- Received a merit & need-based scholarship to help cover costs of tuition for four years at the university
- Funded through U of Chicago's Odyssey Scholarship

Congress-Bundestag Youth Ambassador, *Germany* July 2007-July2008

- Attended German college prep school during my senior year of high school
- Represented the US on a visits to Congress to meet with US senators and representatives as well as the Bundestag and German Chancellor Residence to meet with Angela Merkel
- Presented informational speeches about experience in Germany to local community, school and newspapers

SKILLS

Computer Efficiency in Apple, Windows, and Microsoft Office Suite; strong understanding of basic operations, trouble-shooting, and accessories for computers and electronic devices

Experience with clinical lab testing, research subject interviewing & data collection

Dependable, self-motivated, possessing high attention to detail, and ability to function independently

Knowledge of regulatory guidelines and procedures involved in HIPAA, IRB & ACURF protocols, and EHS

Languages: conversational in German and basic French, with basic knowledge of Latin

References Available Upon Request