

David M. Tabriz

Education

University of Illinois at Urbana-Champaign
Bachelor of Science in Electrical Engineering, 2007
Area of Specialization – Biomedical Imaging & Instrumentation
Minor in Bioengineering – Biomolecular
G.P.A. 3.5 / 4.0

Rush Medical College
Medical Doctorate, 2011

Professional Memberships

2008 Rush Medical College Committee on Curriculum and Evaluation – **M2 Core Work Group**
2007 Rush Medical College Committee on Curriculum and Evaluation – **M1 Core Work Group**

Research Experience

June 2008 – September 2008 Mallinckrodt Institute of Radiology
(Washington University School of Medicine) St. Louis, MO

Medical Student Research – Development of Ultrasound Guided Procedure Simulation and Assessment

Helped develop and assess the effectiveness of an ultrasound guided procedure training simulator for resident radiologists.

Contact: Dr. James R. Duncan duncanj@mir.wustl.edu

June 2006 – May 2007 University of Illinois (Dept. of ECE) Urbana-Champaign, IL

Undergraduate Research – Feasibility of a Non-Invasive Pulse Viscometer

Analyzed pulse oximeter waveforms after inducing a magnetic field around the pulse oximeter sensor, and summarized results in a senior thesis.

Contact: Dr. Stephen Boppart Stephen.Boppart@carle.com

June 2006 – Dec. 2006 University of Illinois (Dept. of MCB) Urbana-Champaign, IL

Undergraduate Research – Neuronal development in hypothyroidic induced rats

Analyzed morphometric measurements of rat neocortex to assess the effects of hypothyroidism on perinatal rat brain development, and draw correlations with cretinism in humans.

Contact: Dr. Esmail Meisami meisami@uiuc.edu

Publications

Tabriz, D. M. (2008), "Feasibility of Blood Viscometry: A Non-Invasive Blood Viscosity Measurement through Pulse Oximetry," *Illinois Journal of Undergraduate Research*, **Vol. 3 (Spring 2008)**, pp. 4-10.

Activities

2008 Radiology Interest Group – Co-President
2008 Medicine-Pediatrics Interest Group – Vice President
2008 Internal Medicine Interest Group – IT Director

Special Skills

CPR & Heartsaver Pediatric First Aid certified;
Experience in biological science, chemical sciences, and electrical engineering laboratories;
Experience with Labview 8.0, MATLAB, Sigmaplot, Adobe CS3 Master, PSPICE, C++, Java, HTML, MS Office