Jason Laufman, MD, MS

Education

Residency

Baylor College of Medicine | Houston, TX
Pediatrics/Medical Genetics combined residency
06/2015 – Present (Expected graduation June 2019)

Medical Education

Wayne State University School of Medicine | Detroit, MI
Doctor of Medicine
07/2011 – 06/2015

Graduate Education

Wayne State University | Detroit, MI
Master's of Science in Genetic Counseling
07/2009 – 05/2011

Undergraduate Education

The Ohio State University | Columbus, OH
Bachelor's of Science in Molecular Genetics
09/2003 – 06/2008

Work Experience

Research Assistant

PACGENE (Pancreatic Cancer Genetics Study)
12/2009 - 07/2010 | Detroit, MI

PACGENE recruited individuals with pancreatic cancer to form a consortium for future research. As a research assistant, my main functions were to recruit participants into the study, take their basic medical and family history, and maintain the extensive database.

Technical Assistant II

American Red Cross Blood Services Laboratory
12/2008 - 05/2009 | Columbus, OH

Interpretation of laboratory test results. Quarantine of unsuitable products. Labeling of suitable products for distribution to hospitals in Ohio and Southeast Michigan.

Microbiology Lab Technician
Ohio Department of Health, Zoonoses/Vector Borne
08/2008 – 12/2009 | Columbus, OH

Laboratory surveillance of mosquito samples from throughout Ohio. Performed RNA extraction and RT-PCR for West Nile Virus and communicated results to local health departments for intervention. Also performed ELISA on samples of bird blood for surveillance West Nile Virus and Eastern Equine Encephalitis.

Research Experience

Peer Reviewed Online Publication

Laufman JD, Duquette D, Trepanier A. Evaluation of State Comprehensive Cancer Control Plans for Genomics Content. Prev Chronic Dis. 2012;9:E176. PMID: 23256909

Bannick, AA, Laufman, JD, Edwards, HL, Ventimiglia, J, Feldman, GL. Outcomes of referrals to Child Protective Services for medical neglect in patients with phenylketonuria: Experiences at a single treatment center. Mol Genet Metab. 2015 Aug; 115(4): 151-6. PMID: 26138304

Oral Presentation

Laufman, JD. (2012). *Does intervention by Child Protective Services (CPS) improve adherence in phenylketonuria: one clinic's experience"* Oral Presentation presented at: Wayne State University Medical Student Research Symposium; Detroit, MI

Poster Presentations

Laufman, JD. (2013). *Does intervention by Child Protective Services (CPS) improve adherence in phenylketonuria: one clinic's experience*. Poster presented at: American College of Medical Genetics Annual Meeting; Phoenix, AZ

Laufman, JD. (2010). *Evaluation of State Comprehensive Cancer Control Plans for Genomics Content*. Poster presented at: National Society of Genetic Counselors Annual Meeting; Dallas, TX

Ongoing Research

Relationship between mouse *Tmtc3* and diaphragmatic hernia

Bi-allelic *TMTC3* pathogenic variants have been reported in few case studies to be associated with lissencephaly in humans, but a knockout mouse was born with congenital diaphragmatic hernia. Under the direction and supervision of Dr. Daryl Scott, I have obtained mice who are heterozygrous knockout (via cre-lox system) for the *Tmtc3* gene. Currently we are breeding these mice to create homozygotes to phenotype.

Case reports/Series

Currently I am working on a case report with a 1st year Baylor medical student on a case report of an individual with mosaic genome-wide paternal uniparental disomy presenting as Beckwith-Wiedemann syndrome, congenital adrenal tumor, and hemophagocytic lymphohistiocytosis. I am also collaborating with a colleague on a case series of cases in Baylor Genetics which will expand the phenotype of lethal neonatal rigidity and multifocal seizure syndrome caused by variants in *BRAT1*

Teaching Experience

Ethics in Medicine | Baylor College of Medicine

As part of their medical school training, there are small group sessions hosted by the genetics department on ethics in medicine. This includes both simulated cases as well as bedside teaching rounds and facilitating discussion.

Friday Noon Conference

As part of the residency program, residents give 2 lectures per year to the department of genetics on an interesting diagnosis or case series along with updates in ongoing research into that condition. I have given talks on Turner syndrome with ring X chromosome, *BRAT1* (lethal neonatal rigidity and multifocal seizure syndrome), hypophosphatasia, and mosaic paternal genome-wide paternal uniparental disomy.

Awards/Accomplishments

2012 ACMG Foundation Summer Genetics Scholars Fellowship award recipient 2011
Wayne State University Medical Student Research Symposium – 2nd place, oral presentation
Achieved board certification in genetic counseling 2010-2011
Wayne State University Graduate Professional Scholarship recipient 2003-2008
The Ohio State University Maximus Scholarship recipient

References available on request