Scott Allen Funkhouser

Work Address
474 S. Shaw Lane, Room 1205
East Lansing, MI 48824

Home Address
1943 Wood St #7
Lansing, MI 48912

EDUCATION

2013 - Present	**Michigan State University,** Genetics	PhD in progress
2007 - 2011	**University of Washington,** Major: Biochemistry, GPA 3.48	BS 2011
2005 - 2007	**Graham-Kapowsin HS,** Valedictorian, GPA 4.0	Graduated 2007

RESEARCH POSITIONS

May 2014 - **Graduate Research Assistant,** Mentor Catherine Ernst PhD, Michigan St Univ. Animal Sci. Dept.
Investigating the role of A-to-I RNA editing in mammalian genomes and developing methods for the genomic prediction of complex phenotypes.

Jan. 2012 - Aug. 2013 **Research Scientist I,** Mentor Mary Philip MD PhD, University of Washington Hematology Dept.
Investigated the role of a heme exporter, FLVCR, in the development of T lymphocytes.

2010-2011 **Undergraduate Research Assistant,** Mentor Chris Hague PhD, Univ. of Washington Pharmacology Dept.
Studied novel binding partners to pertinent G-Protein coupled receptors.

2009 **Undergraduate Research Assistant,** Mentor Nigel Bamford MD, Univ. of Washington Neurology Dept.
Used a behavioral approach to understanding gestational cocaine exposure with mouse models.

PAPERS

M. Philip, **S.A. Funkhouser,** E.Y. Chiu, S.R. Phelps, J.J. Delrow, J. Cox, P.J. Fink and J.L. Abkowitz. (2015) Heme Exporter FLVCR Is Required for T Cell Development and Peripheral Survival. *The Journal of Immunology.* jimmunol.1402172

PRESENTATIONS / POSTERS

S. A. Funkhouser, J.P. Steibel, R.O. Bates, N.E. Raney, C.W. Ernst. (2015) Evidence of RNA editing in pig longissimus dorsi muscle. Oral presentation given at the American Dairy Science / American Society of Animal Science Midwest Conference.

C.W. Ernst**, S. A. Funkhouser**, J.P. Steibel, R.O. Bates, N.E. Raney. (2015) Evidence of RNA editing in pig longissimus dorsi muscle. Oral presentation given at the Plant and Animal Genome XXIII Conference.

M. Philip, **S.A. Funkhouser,** J.J. Delrow, E.Y. Chiu, and J.L. Abkowitz. (2012) FLVCR, a Heme Exporter, Is Required for Peripheral T Cell Survival. Poster presented at the 54th Annual American Society of Hematology Meeting and Exposition.

M. Philip, **S.A. Funkhouser**, J.J. Delrow, and J.L. Abkowitz. (2012) FLVCR, a Heme Export Protein, is Required for T Cell Development and Survival. Poster presented at the Keystone Symposium on Molecular and Cellular Biology

AWARDS

Fred and Lucille Stamper Academic College Scholarship 2007 - 2011
$16,256.00 over 4 years

SKILLS

Programming: The **R** language**, C++**, and **Python,** in order from most skilled to least skilled. Familiar with others.
Molecular Biology: Flow cytometry, immunostaining, qPCR, PCR, **molecular cloning and techniques therein, cell culture**
Interests: Statistical learning, genomics, transcriptomics and software design.