Anjelique F. Schulfer

CONTACT INFORMATION

564 First Avenue Apartment 12H
New York, New York 10016

mobile: (206) 719-0071
email: anjelique.schulfer@med.nyu.edu

BACKGROUND SUMMARY

Research scientist working on a Ph.D in pathology investigating the impacts of antibiotics on the gut microbiome and subsequent physiological changes in the host.

EDUCATION

M.S., New York University School of Medicine, New York, New York
Pathology **August 2011 – November 2013**

B.S., University of Washington, Seattle, Washington
Molecular, Cellular, and Developmental Biology **September 2006 – June 2009**

- Minor in Microbiology
- Departmental Honors, Cum Laude, GPA 3.82 full-time

RESEARCH EXPERIENCE

Blaser Lab, Health Implications of Antibiotic Changes in the Gut Microbiota
Department of Microbiology - NYU School of Medicine, New York, New York
Graduate Student **August 2011 – present**

- Designed and carried out long-term mouse experiments, sample processing for high-throughput sequencing, and microbiome data analysis.
- Mentor undergraduate students and research technicians.

Stuart Lab, Molecular Biology of Trypanosomatid Pathogens
Seattle Biomedical Research Institute, Seattle, Washington
Research Technician I **December 2009 – February 2011**

- Elucidate the cytosolic proteome of *Trypanosoma brucei brucei.*
- Train and manage undergraduate students.
- Routinely engage in techniques such as: Tissue culture, RNA and DNA isolation, *Trypanosoma brucei brucei* transfection, RT-PCR, immunofluorescence assays, tap-tag purification, molecular cloning, western blots, sequence analysis, mass spectrometry sample preparation

Di Stilio Lab, Evolution of Plant Development
Department of Biology – University of Washington, Seattle, Washington
Research Technician **June 2009 – December 2009**

- Collaborated with international colleagues in floral evolution and development
- Wrote standard protocols for laboratory practices and techniques.
- Expertly performed molecular techniques including: in situ hybridization, scanning electron microscopy, plasmid isolation and purification, Agrobacterium transformation, reverse genetic approaches for individual gene function analysis.

Undergraduate Researcher **January 2008 – June 2009**

- Carried out an individual research project to determine the function of a gene controlling floral epidermal cell shape.
- Skillfully compiled and analyzed data resulting in written reports and presentations

PUBLICATIONS

Schulfer AF, Blaser MJ. 2015. Risks of antibiotic exposures early in life on the developing microbiome. *PLoS Pathogens.* **Under Review**

Bode NJ, Debnath I, Kuan L, Schulfer A, Ty M, Pearson MM. 2015. Transcriptional analysis of the MrpJ network: modulation of diverse virulence genes and direct regulation of *mrp* fimbrial and *flhDC* flagellar operons in *Proteus mirabilis. Infection and Immunity.* **Under Review**

Beck K, Acestor N, Schulfer A, Anupama A, Carnes J, Panigrahi AK, Stuart K. 2013. *Trypanosoma brucei* Tb927.2.6100 is an essential protein associated with kinetoplast DNA. *Eukaryotic Cell.* **12**: 970-978.

Di Stilio VS, Martin C, Schulfer AF, Connelly CF. 2009. An ortholog of *Mixta-like2* controls epidermal cell shape in flowers of *Thalictrum. New Phytologist.* **183**: 718-728.

SELECTED HONORS, AWARDS, AND CERTIFICATIONS

The Business of Science for Scientists, certification January 2015
Awarded support from Microbiology Training Grant, Public Health Service Institutional Research Training Award T32 AI007180, 2014 - present
Mary Gates Research Scholar, Winter 2008 - Summer 2008
UW-HHMI Biology Fellow, Winter 2007 and Spring 2007
Phi Beta Kappa Honor Society, Inducted June 2008