

# Michael T. Judge

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## EDUCATION

- 2015 PhD student. Department of Genetics, University of Georgia, Athens GA  
Dissertation Project: Identification and characterization of a circadian clock  
synchronization signaling pathway in *Neurospora crassa*.  
Major Professors: Drs. J. Arnold and A. Edison
- 2011-15 B.Sc. (Cell/Molecular Biology) with Honors. Appalachian State University, Boone,  
NC

## AWARDS/HONORS

- 2013 OSR Undergraduate Travel Grant. Appalachian State University (\$210)
- 2013 NSF REU at NC State University (\$5000)
- 2014 NSF REU at University of Georgia (\$5000)
- 2015 ILS Scholar of Excellence (full stipend coverage by program through July 2016)
- 2016 T-32 NIH Training Grant (applied, awaiting decision)

## PUBLICATIONS

### *Peer-Reviewed*

Al-Omari, A., Griffith, J., Judge, M., Taha, T., Arnold, J., and Schüttler, H.B. 2015. *Discovering a Regulatory Network Topology Using Ensemble Methods on GPGPUs with Special Reference to the Biological Clock of Neurospora crassa*. **IEEE Access** 3:27-42.

### *Other*

Judge, M. 2015. *Evidence for Subfunctionalization of the Flip4 Gene Family in Arabidopsis thaliana*. Unpublished honors thesis. Appalachian State University, Boone, NC.

## RESEARCH SUPPORT

- 2014 OSR Undergraduate Research Grant. Appalachian State University (\$300)
- 2015 Honors College Partnership Board Research Fund Award. Appalachian State University (\$500)

## POSTERS / PRESENTATIONS

### *Presentations*

09/2014 Testing a topology for the genome-wide clock-controlled gene network in *Neurospora crassa* using RT-qPCR. Departmental Seminar, Appalachian State University.

### *Posters*

- 07/2013 Genetic dissection of the interaction between indole-glucosinolate biosynthesis and auxin homeostasis in *Arabidopsis thaliana*. NC State Summer Undergraduate Research Symposium.
- 09/2013 (Chalk talk) Genetic dissection of the interaction between indole-glucosinolate biosynthesis and auxin homeostasis in *Arabidopsis thaliana*. NC Biotech

- 07/2014 Center Plant Molecular Biology Retreat.  
Regulation of ribosome biogenesis by clock-controlled transcription factors:  
Testing a topology for the genome-wide clock-controlled gene network in  
*Neurospora crassa*. UGA Summer Undergraduate Research  
Symposium.
- 04/2015 Expression Profiling of the FLIP4 Gene Family in *Arabidopsis thaliana*.  
Association of Southeastern Biologists annual meeting.

## TEACHING / MENTORING

2014-15 Supervising CURO Honors Thesis scholar Brooke Hull. Direct detection of synchronization of circadian clocks in *Neurospora crassa* using dual fluorescent reporters.

## OUTREACH / SERVICE

2016- Judge. LSAMP Undergraduate Research Symposium (one day per year).  
2016- GGSA Participation. I attend the monthly GGSA meetings, voted in the recent office elections, and took part in the Genetics Department recruitment events for ILS 2016.