

Tara A. Enders

Post-doctoral Associate, University of Minnesota
140 Gortner Lab, 1479 Gortner Ave, Saint Paul, MN 55108-6106
tenders@umn.edu

EDUCATION

PhD, Plant Biology Graduate Program, Washington University in St Louis Advisor: Lucia Strader	2011-2016
BS, Biological Sciences: Genetic Engineering, Southern Illinois University-Edwardsville <i>summa cum laude</i>	2007-2011

APPOINTMENTS

Postdoctoral Associate Advisor: Nathan Springer University of Minnesota, Department of Plant Biology	2016-present
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RESEARCH EXPERIENCE

Graduate Student, Washington University in St Louis Advisor: Dr. Lucia Strader Thesis: New regulators of auxin response reveal insights into cell expansion	2012-2016
URCA Research Associate, Southern Illinois University-Edwardsville	2010-2011
URCA Research Assistant, Southern Illinois University-Edwardsville Mentor: Dr. Elizabeth Esselman Studied the relationships between two sedge species, <i>Schoenoplectus hallii</i> and <i>S. saximontanus</i> through the use of inter simple series repeat (ISSR) markers.	2009-2010

PUBLICATIONS

- Enders, TA and LC Strader. (2016) An Arabidopsis kinase cascade influences auxin-responsive cell expansion. *In Revision*.
- Enders, TA, S Oh, Z Yang, B Montgomery, and LC Strader (2015) Genome sequencing of Arabidopsis *abp1-5* reveals second-site mutations that may affect phenotypes. *Plant Cell*, 27:1820-1826.
- Enders, TA and LC Strader (2015) Auxin activity: past, present, and future. *American Journal of Botany*. 102:180-196.
- Korasick DA, TA Enders and LC Strader (2013) Auxin biosynthesis and storage forms. *Journal of Experimental Botany*, 64: 2541-2555.
- Rinaldi, MA, J Liu, TA Enders, B Bartel, and LC Strader (2012) A gain-of-function mutation in *IAA16* confers reduced responses to auxin and abscisic acid and impedes plant growth and fertility. *Plant Molecular Biology*, 79:359-373.
- Esselman, E, TA Enders, M Smith, and P McKenzie (2012) Examination of hybridization relationships between *Schoenoplectus hallii* and *S. saximontanus* (Cyperaceae) using ISSR markers. *Phytoneuron*, 36:1-9.

AWARDS

International Conference on Arabidopsis Research Early-Career Researcher Travel Award	2015
NSF Graduate Research Fellow	2013
Honorable Mention for NSF Graduate Research Fellowship	2012
Biological Sciences Senior Award	2011
Donal G. Myer Award for the Outstanding Student in Sciences and Mathematics	2011
Michael R. Levy Memorial Award in Molecular Biology	2010
Second Place for undergraduate poster presentation at ISAS	2010

ORAL PRESENTATIONS

ABP1: What's going on? <u>Enders, TA</u> , S Oh, Z Yang, B Montgomery, and LC Strader Local Auxin Meeting, St Louis, MO	2015
Roles of MPK1 in auxin response <u>Enders, TA</u> and LC Strader Southern Illinois University Edwardsville colloquium series (invited seminar) International Conference on Arabidopsis Research, Paris, France American Society of Plant Biologists Annual Meeting, Portland, OR	2015 2015 2014
Understanding the Outer Lateral Domain: defining the plant – environment interface <u>Enders, TA</u> and LC Strader Washington University Annual Plant and Microbial Bioscience Retreat, St Louis, MO	2013
Evidence for hybridization between <i>Schoenoplectus hallii</i> and <i>S. saximontanus</i> using ISSR markers <u>Stapay, TA</u> , M Smith, P McKenzie, and E Esselman Illinois State Academy of Science, Charleston, IL Botanical Society of America, St Louis, MO	2011 2011

POSTER PRESENTATIONS

The role of MPK1 in auxin signaling <u>Enders, TA</u> and LC Strader International Conference on Arabidopsis Research, Paris, France American Society of Plant Biologists Annual Meeting, Portland, OR American Society of Plant Biologists Annual Meeting, Providence, RI Local auxin meeting, St Louis, MO	2015 2014 2013 2013
Understanding the establishment of the Outer Lateral Domain in Arabidopsis <u>Enders, TA</u> and LC Strader American Society of Plant Biologists Annual Meeting, Austin, TX Washington University Annual Plant Biology Retreat, St Louis, MO	2012 2012
A gain-of-function mutation in IAA16 confers reduced responses to auxin and abscisic acid Rinaldi, MA, J Liu, <u>TA Enders</u> , B Bartel, and LC Strader American Society of Plant Biologists Annual Meeting, Austin, TX	2012
Evidence of hybridization between <i>Schoenoplectus hallii</i> and <i>S. saximontanus</i> using ISSR markers <u>Stapay, TA</u> , M Smith, P McKenzie, and E Esselman SIUE Senior Assignment Showcase URCA Symposium Southern Illinois University Annual Colloquium American Society of Plant Biologists Midwest Annual Meeting, West Lafayette, IN Illinois State Academy of Sciences Annual Meeting, Decatur, IL	2011 2011 2010 2010 2010

PROFESSIONAL DEVELOPMENT

TA-Training Workshop: Who's In Charge Here? Managing a Classroom	2012
TA-Training Workshop: Teaching with Discussions	2012
TA-Training Workshop: Advising and Mentoring Students: Understanding the TAs Role	2012
TA-Training Workshop: Teaching a Laboratory Subsection	2012

TEACHING EXPERIENCE

Guest Lecture for Bio 4520: Protein Function in Model Cellular Systems Coursemaster: Dr Lucia Strader <i>My role: Created and delivered a lecture on plasmid DNA isolation.</i>	2014
Teaching Assistant for Bio 3041: Plant Biology and Genetic Engineering Coursemaster: Dr Elizabeth Haswell	2013

My role: Led a weekly discussion section and gave lecture titled "Plant Hormones and Tissue Culture"

UNDERGRADUATES MENTORED

Veronica Swanson (UMN)	Fall 2016-present
Livia Twohig (UMN)	Fall 2016-present
Alan Lu (WUSTL)	Summer 2013-Spring 2016
Adam Seroka (WUSTL; current graduate student at Michigan State University)	Spring 2014-Spring 2015
Aidan Lecke-Harre (high school student)	Summer 2013
Madeleine Buckley (high school student)	Summer 2013
Sean Hart (Webster University)	Summer 2013