

Tara A. Enders

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EDUCATION

PhD, Plant Biology Graduate Program, Washington University in St Louis Advisor: Lucia Strader Thesis: New regulators of auxin response reveal insights into cell expansion	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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PUBLICATIONS

- Enders, TA, EM Frick, and LC Strader. (2017) An Arabidopsis kinase cascade influences auxin-responsive cell expansion. *The Plant Journal*, 92:68-81.
- 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

ARPA-E & ASPB Travel Award to attend Phenome 2018	2018
Spencer T. and Ann W. Olin Medical Science Fellow	2017
ASPB Travel Award to attend Phenome 2017	2017
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

Computer vision and hyperspectral approaches to document temperature stress in maize seedlings <u>Enders, TA</u> , S St. Dennis, N Miller, L Sampson, E Spalding, NM Springer, and CD Hirsch Phenome 2018, Tucson, AZ	2018
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)	2015
International Conference on Arabidopsis Research, Paris, France	2015
American Society of Plant Biologists Annual Meeting, Portland, OR	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	2011
Botanical Society of America, St Louis, MO	2011

PROFESSIONAL DEVELOPMENT

Research Group Management Course	2017
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 lectures for Biol 4003: Genetics	2018
Coursemaster: Dr Nathan Springer	
<i>My role: Create and delivered two lectures on molecular genetics</i>	
Guest lectures for Biol 1820: Principles of Plant and Animal Physiology	2018
Coursemaster: Dr Irina Makarevitch	
<i>My role: Created and delivered three lectures on plant transport and signaling</i>	
Guest Lecture for Bio 4520: Protein Function in Model Cellular Systems	2014
Coursemaster: Dr Lucia Strader	
<i>My role: Created and delivered a lecture on plasmid DNA isolation.</i>	
Teaching Assistant for Bio 3041: Plant Biology and Genetic Engineering	2013
Coursemaster: Dr Elizabeth Haswell	
<i>My role: Led a weekly discussion section and gave lecture titled "Plant Hormones and Tissue Culture"</i>	

UNDERGRADUATES MENTORED

Kjell Sandstrom (UMN)	Summer 2018-present
Shale Demuth (UMN)	Summer 2018-present
Danielle Sorenson (UMN)	Summer 2018-present
Hayden Christensen (UMN)	Spring 2018-present
Justin Oakland (UMN)	Summer 2017-present
Ben Alva (UMN)	Spring 2018
Meg Gerold (UMN)	Summer 2017-Spring 2018
Colin Emerson (UMN)	Summer 2017
Emily Stock (UMN)	Spring 2017
Veronica Swanson (UMN)	Fall 2016-Summer 2017
Livia Twohig (UMN)	Fall 2016-Spring 2017
Alan Lu (WUSTL)	Summer 2013-Spring 2016
Adam Seroka (WUSTL)	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

SERVICE

College of Biological Sciences Postdoc Committee member

Fall 2017-present