



Issue 14 - May 2018

In This Issue:

- Call for Papers and Posters, Deadline June 4
- Organize a Lunch and Learn Session for Vancouver, Deadline June 4
- Plan to Attend the ECP-sponsored Program Symposium on the One Health Initiative
- Call for Volunteers with Prior R Experience for R Workshop at ESA in Vancouver
- Be Sure Your Visa and Passport Are Ready for Vancouver
- Call for Award Nominations, Deadline June 1
- ESA's blog Entomology Today is Looking for Entomologists Like You
- ECP Dr. Ted Burgess Highlighted in Entomology Today
- More Engagement Opportunities Coming to an ESA Branch Near You
- P-IE & SysEB Sponsored Invasive Species Field Tour
- The ECP Committee is on Twitter!

Entomology 2018

Call for Papers and Posters, Deadline June 4

As graduate students or early career professionals, we should always **present** our research findings. This year we have the opportunity to do it internationally. It's important to participate in ESA meetings where you can contribute to and learn about the latest advances in your field, and you can reinforce existing or start new collaborations with other scientists. You can also polish your presentation skills as well as increase your confidence level by talking about your data. In addition, you can participate in **professional service opportunities** (such as judging student competitions, moderating, or participating on committees) to help **build your CV**. Finally, you have the opportunity to **meet other scientists** in your field and discover information about future job opportunities. Consider attending the 2018 Joint Annual Meeting in Vancouver, BC, Canada. And submit your abstract by June 4! Find out more information [here](#).

Organize a Lunch and Learn Session for Vancouver, Deadline June 4

Lunch and learn sessions are very popular sessions to organize among our members, and this year won't be an exception. The idea is to promote an open platform to learn about a specific topic in our science or Society. These sessions are usually 60-90 minutes of interactive topics during a lunch breaks, where attendees bring their lunch. Session topics can range from critical current issues to introduction of any organizational initiatives. Consider submitting your own

lunch-and-learn proposal by June 4. Information is available at <https://esa.confex.com/esa/2018/cfp.cgi>.

Plan to Attend the ECP-sponsored Program Symposium on the One Health Initiative

Each year at the Annual Meeting, ESA highlights a select number of symposia that are designated as 'program symposia'. This year, there will be six program symposia, selected from among more than sixty submitted proposals, and one of these six is being planned by and will feature early career professionals! The symposium entitled "Crossing Borders for a Healthier Tomorrow: The Role of Entomology in the One Health Initiative", will look at some of the many ways in which entomologists are helping to achieve the goals identified by the [One Health Initiative](#). The One Health Initiative is a worldwide strategy for expanding interdisciplinary collaborations and communications related to understanding and improving human, animal, and ecosystem health. Consequently, the symposium will feature early career researchers from the U.S., Canada, and Mexico who will cover topics not just related to medical and veterinary entomology, but also related to biodiversity, ecosystem health, and pollinator health. Following the talks, there will be a poster session to spotlight additional early career researchers, in conjunction with a networking mixer hosted by the ESA Early Career Professionals (ECP) Committee and collaborating Canadian societies. Be sure to show your support for your fellow ECPs by planning to attend the symposium and take part in the networking social!

Call for Volunteers with Prior R Experience for R Workshop at ESA in Vancouver

The ECP Committee is organizing a new and improved R Workshop at this year's meeting, entitled "Exploiting the dynamism of R software to help entomologists adapt to a changing world: crossing the border from R admirer to R user." We need ECPs with prior R experience to volunteer for the workshop by helping attendees troubleshoot problems that crop up with running codes during the event. Volunteering at this workshop can be applied towards your required time to get a partial reimbursement of your registration for the meeting. If you are interested in helping out, please contact Dr. Robert Zinna (zinnar@email.arizona.edu) or Keaton Wilson (keatonwilson@email.arizona.edu), and in the email, 1) detail your prior experience with R, 2) whether you have any experience with R markdown files, and 3) whether you have any examples of your work hosted on an external repository (such as Github). The last two items are not necessary for all volunteers.

Be Sure Your Visa and Passport Are Ready for Vancouver

Plan early for this year's meeting in Canada! You will need a valid passport or a passport card (if you are U.S. citizen) to successfully get to the meeting. If your passport is nearing its expiration date, renew it early, as it will need to be valid until at least May 2019 to successfully gain entrance to Canada. Don't delay on renewing your passport, to allow for any delays in processing. If you are a U.S. Citizen, you can learn how to [renew your passport at the U.S. Department of State](#). If you are from outside the U.S., please consult your local authorities for whether a visa is required and the steps in the application process for passports.

Call for Award Nominations, Deadline June 1

Nominate yourself or a deserving ECP today for an award! Did you know that ESA has four recently-added awards specifically for ECPs? These include the ECP Outreach and Public Engagement Award, Research Award, Teaching Award, and Extension Award. You must be within 5 years of having earned your terminal degree to be eligible. If you are unsure about whether you qualify or have questions about these, view the FAQ [here](#). Check out more

information about the specific awards for ECPs and submit a packet today [here](#). Hurry, because the deadline to submit an award nomination is June 1!

ESA's blog *Entomology Today* is Looking for Entomologists Like You

ESA needs volunteer writers with entomological expertise and a desire to tell a good story—but no need to be a Nobel laureate or Pulitzer winner (it's just blogging, after all). Writing for *Entomology Today* can be a great opportunity to show off your entomology expertise, hone your general-audience communication skills, and earn a little public recognition. Take a look at the [Entomology Today](#) author guidelines and consider raising your hand as a volunteer guest contributor. Blog post topics can range from covering some new research you find exciting to answering a common question about an insect to interviewing an entomologist you admire about their career. You could also write about your own research to earn some exposure for your work. Or, if you don't have a topic in mind, we can suggest some ideas to choose from. If interested, contact *Entomology Today* editor and ESA Manager of Communications Joe Rominiecki at jrominiecki@entsoc.org.

ECP Dr. Ted Burgess Highlighted in *Entomology Today*

The ECP Committee highlighted Dr. Ted Burgess (Department of Biological Sciences, Northern Illinois University) as the second individual in the committee's ECP Standout Series in March. He is working on medical and veterinary entomology, particularly in determining environmentally friendly methods to control pests of public health importance. Read how he has creatively found his niche, in *Entomology Today* [here](#).

More Engagement Opportunities Coming to an ESA Branch Near You

The ECP Committee has been working hard to bring representation and events to ESA branch meetings. The North Central Branch held their inaugural ECP mixer this past March and is actively working on formalizing a branch-level committee. Other branches are also working to engage more young professionals by forming **branch-level Early Career Professional Committees** and including **early career representation on the Executive Committees of Branches**. The branch-level Early Career Professional Committees will be tasked with engaging more young professionals via activities (symposia, mixers, etc.) at their regional meetings in the near future. Be on the lookout for these events and calls for committee applications! If you have questions or comments, please log into your ESA member dashboard and contact your branch representative on the [ECP committee](#).

P-IE & SysEB Sponsored Invasive Species Field Tour

Members belonging to P-IE and SysEB are eligible to attend a two and one-half day Invasive Species Field Tour from Aug 20-22 in Philadelphia, PA. This will be modeled on the highly successful P-IE pollination tour from last year. The tour will include visits to the Philly Port of Entry to hear about how APHIS and port managers deal with incoming invasive species, as well as on-site visits to the spotted lanternfly quarantine zone to see firsthand the damage that this new species is causing. Half of the spots on this tour are available to P-IE and SysEB members, while the other half will be for policymakers, stakeholders, and commodity organizations. A broad range of other invasive insects will also be discussed. Importantly, for ECPs and students who are P-IE members, there will be the opportunity to **apply for awards sponsored by P-IE to offset \$500 in transportation costs** to get to the tour as well as the \$640 registration fee (this includes hotel, shuttle to/from sites visits, and meals). To learn more about the field tour, apply to participate, or

submit an application for a sponsored award, see: <https://www.entsoc.org/pie/2018-invasive-species-field-tour>

The ECP Committee is on Twitter!

The Early Career Professionals Committee is now on Twitter under the handle [@ECP_Entsoc](https://twitter.com/ECP_Entsoc). Follow the committee for the most relevant information for early career professionals about job postings, career-building opportunities, ECP-related events, and much more.

Want to Get Involved?

If you have any thoughts, suggestions, or questions for the ECP Committee, please contact us by emailing esa.step.committee@gmail.com or by joining our ESA network at <http://esanetworks.org/>.

Meet the 2018 ECP Committee



Ms. Lina Bernaola is a PhD student at the Louisiana State University studying the mechanistic basis of plant resistance against above-ground and below-ground organisms in rice. Primarily, she studies the effects of mycorrhizal fungi, a symbiotic soil borne organism, on rice resistance to insect herbivores. Lina has been actively involved with ESA since 2013. She has presented her research at several national and Southeastern Branch meetings. Through ESA, Lina has gained opportunities to learn and practice leadership skills and to network with fellow entomologists. Previously, Lina served as student representative of the P-IE Governing Council and Student Affairs Committee of the SEB-ESA. Currently, she is the Student Representative to the ESA Governing Board and a member of the SAC.



Mrs. Kyndall Dye-Braumuller is a vector surveillance supervisor at the Harris County Public Health Mosquito and Vector Control Division, in Houston, TX. Her work focuses primarily on creating a surveillance program for hard ticks and kissing bugs in order to identify risk to residents in the county for various arthropod-borne diseases. She received both a BS in Entomology and a BS in Environmental Health Science from the University of Georgia, and she received her MS in Medical Entomology from the University of Kentucky. During her masters program, she became highly involved with the Student Affairs Committee of the ESA, and she is very much looking forward to serving ESA as the MUVE representative to the ECP Committee.



Katelyn Kesheimer is an integrated pest management agent with Texas A&M Agrilife Extension in Lubbock, Texas. She works directly with producers, commodity groups, and other researchers to implement sustainable growing practices for a variety of crops on the High Plains. Her research interests include aphid biology and their interactions with natural enemies. She recently finished a postdoctoral appointment at the University of Kentucky studying bed bug behavior. Katelyn is excited to be a part of ECP and become engaged in such a beneficial society. As part of the ECP committee, she hopes to advocate for all professionals of any career, and provide support for those in this unique phase.



William R Kuhn (Will) is an evolutionary biologist, currently working as a National Science Foundation (NSF) Postdoctoral Research Fellow in Biology at the University of Tennessee, Knoxville. He completed his PhD in 2016 at Rutgers University-Newark under the advisement of Dr. Jessica L. Ware, with a dissertation entitled “Three approaches to automating taxonomy, with emphasis on the Odonata (dragonflies and damselflies).” In that work, he applied computer vision and machine learning methods to build an automated species identification system for Odonata based on images of their wings. His current research aims to expand upon his dissertation work in order to allow identification of Odonata (and potentially other insects, as well) from less-constrained, field images of these insects, allowing any user—whether a researcher, citizen scientist, or enthusiast—to rapidly identify dragonflies and damselflies just by snapping a picture of one. In addition, he is a Senior Collaborator for another NSF grant, which aims to create a complete image dataset of all North American Odonata, allowing his wing-based automatic identification system to be updated for all taxa in this region and giving researchers a new tool for answering broad questions about odonate evolution.



Dr. Nicholas Larson is a visiting scientist at the USDA Invasive Insect Biocontrol & Behavior Lab in Beltsville, MD. His current work involves toxicological analysis of naturally occurring compounds on agricultural and human pests. He received his Ph.D. in Entomology from Virginia Tech in 2017 where his work focused on the manipulation of honey bee foraging behavior through utilization of repellent chemistries. Nicholas received his B.S. in biology from the University of Central Florida and his M.S. in entomology from the University of Florida. He joined ESA in 2016, and has been an active member at both the national and Eastern branch meetings. He served in several leadership roles while attending school and he looks forward to continuing his volunteer work by serving as the P-IE representative on the Early Career Professionals Committee.



Dr. Rob Morrison is a Research Entomologist with the USDA-ARS Center for Grain and Animal Health Research in Manhattan, Kansas. He is currently researching behaviorally-based management strategies for controlling stored product pests, including attract-and-kill. Rob’s long-term research interests include understanding how semiochemicals modify plant product-insect interactions, and how we can exploit this knowledge to improve the sustainability of agriculture. Rob has been active in ESA, serving on committees in the North Central and Eastern Branches of ESA, as well as regularly judging student competitions. He is excited to be serving on the ECP Committee and to be the ECP liaison to the Education and Outreach Committee of ESA, because he believes it is important to increase science literacy among the public.



Dr. Scott O'Neal is currently a Postdoctoral Research Associate at the University of Nebraska-Lincoln. Scott grew up on a farm in rural southern Indiana and first developed an interest in entomology through his participation in 4-H. He earned his B.S. in Genetics and Microbiology from Purdue University and then his M.S. in Forensic Science from Virginia Commonwealth University. After working for several years as a researcher in the field of mammalian behavioral pharmacology, Scott returned to graduate school to earn his Ph.D. in Entomology from Virginia Tech, during which time he was awarded a USDA NIFA Predoctoral Fellowship to study ion channel regulation of honey bee cardiac function and antiviral immunity. Scott continues to investigate questions related to insect physiology with an overall interest in examining interactions between viruses and the immune response of the insect host. He is excited about assuming a more active role in ESA, where he has recently joined the ECP Committee as the PBT section representative and will also serve as the ECP representative on the Governing Council of the PBT Section.



Dr. Hannah Penn is a postdoctoral researcher at Louisiana State University working in collaboration with the USDA Honeybee breeding, physiology, and genetics laboratory. The primary focus of her current research is the interactions of honeybees, deformed wing virus, and Varroa mites. Hannah's broader research interest centers on insect ecology in human landscapes with special emphasis on sustainable management of both pest and beneficial species and variation across land uses. Hannah has been an active member of ESA since 2009 and has served on the NCB Linnaean Games Committee and Student Affairs Committee. As the current NCB representative, she is excited to support the needs of graduating students and early professionals.



Dr. Jhalendra Rijal is currently working as an Area Integrated Pest Management Advisor with the University of California Cooperative Extension and UC Statewide IPM Program. The major responsibility includes conducting applied pest management research and educating pest control professionals, growers, and other stakeholders in adopting IPM activities. Jhalendra's research and extension activities cover major insect pests of tree fruits (peach, cherry), tree nuts (almond, walnut) and other commercially important crops in the San Joaquin Valley, California. Jhalendra has been a member of the ESA since 2009. As a Pacific Branch representative of the ECP Committee, Jhalendra aims to help ECP members (student-in-transition, postdocs, and early career professionals) in their career path by recognizing their contributions to the Entomological science.



Monique Rivera is currently working as a postdoctoral researcher at the Citrus Research and Education Center at University of Florida. Her research broadly focuses on insect-plant interactions within agroecosystems and developing sustainable insect pest management strategies and tools. Her current work focuses on the biology and ecology of Asian citrus psyllid in the citrus agroecosystem under high citrus greening pressure. Monique has been an ESA member since 2010, presenting at national and branch meetings, volunteering and serving as the student representative on ESA's membership committee. Monique is excited to join the ECP Committee in 2018 and hopes to contribute to the guidance and advancing of fellow ECPs.



Dr. Isobel Ronai has joined the ECP committee as the International Branch member and is keen to boost ESA's international reach. She is about to hand in her PhD thesis at the University of Sydney (Sydney, Australia). Isobel's PhD investigated the genetic and mechanistic basis of worker sterility in the honey bee. She is particularly fascinated by genetics and plans to pursue a career in insect genetics, potentially in the US. During her PhD, Isobel was involved in a few committees and even helped organize a conference. Isobel really appreciates ESA's support of ECPs as they provided her with a travel grant attend the ICE 2016 conference.