

Session Title	Presentation Title	Winner	Place
01 - Undergraduate Poster Competition: MUVE - Medical and Veterinary	Comparing various counting methods used to estimate individual horn fly (Diptera: Muscidae) populations on cattle	Susan Urias	1
01 - Undergraduate Poster Competition: MUVE - Medical and Veterinary	Plant extract effects on mosquito survivorship: determining the efficacy of Ailanthone to control adult mosquitoes	Calen Wylie	2
02 - Undergraduate Poster Competition: P-IE - Bees and Arthropod Communities	The suitability of novel hosts for <i>Grosmannia clavigera</i> and <i>Ophiostoma montium</i> , two common fungal associates of mountain pine beetle (Coleoptera:Curculionidae)	Jonah Widmer	1
02 - Undergraduate Poster Competition: P-IE - Bees and Arthropod Communities	Ground beetle communities of remnant and planted tallgrass prairies in Northeastern Iowa: influence of plant community structure and recent fire	Clare Brandt	2
03 - Undergraduate Poster Competition: P-IE - Herbivores, Invasive Species, and Trapping	Survey for the invasive spotted lanternfly, <i>Lycorma delicatula</i> (White) (Hemiptera: Fulgoridae) on forty plant species in southeastern Pennsylvania	Cathryn Pugh	1
03 - Undergraduate Poster Competition: P-IE - Herbivores, Invasive Species, and Trapping	Video evaluation of an attract and kill device for Japanese beetle (<i>Popillia japonica</i>)	Michael Mueller	2
04 - Undergraduate Poster Competition: PBT - Ants, Bees, Beetles, and Mosquitoes	Transcriptional regulation of temperature stress response during development in the alfalfa leafcutting bee, <i>Megachile rotundata</i>	Sean A. Nash	1
04 - Undergraduate Poster Competition: PBT - Ants, Bees, Beetles, and Mosquitoes	Flexible schedule in the development of the red flour beetles, (<i>Tribolium castaneum</i> Herbst and <i>T. freemani</i> Hinton) associated with the cannibalism	Taewoo Kang	2
05 - Undergraduate Poster Competition: SysEB - Honey Bees and other Hymenoptera	Evaluation of sociality in a Caribbean halictid bee	Emilio Grau-Cruz	1
05 - Undergraduate Poster Competition: SysEB - Honey Bees and other Hymenoptera	Wing interference patterns (WIPs) of Neotropical parasitoid wasps (Braconidae: Microgastrinae)	Shuyang Jin	2
06 - Undergraduate Poster Competition: SysEB - Aquatic Insects and Trapping	Is pan trapping an effective method for estimating hymenopteran diversity in grasslands?	Morgan Rondinelli	1
06 - Undergraduate Poster Competition: SysEB - Aquatic Insects and Trapping	Experimental acidification effects on aquatic macroinvertebrates in a tropical stream	Crystal Purcell	2
07 - Graduate Poster Competition: MUVE - Ticks and Mosquitoes	Monitoring ambrosia beetles in ornamental nurseries: the influence of flood-stress and protective sprays	A. Anderson	1
07 - Graduate Poster Competition: MUVE - Ticks and Mosquitoes	Estimating age structure of wild <i>Anopheles</i> populations using the captive cohort method	Stephanie Kurniawan	2
08 - Graduate Poster Competition: MUVE - Bed Bugs, Urban Pests, and Field Populations	Prevalence of non-O157 shiga toxin-producing <i>Escherichia coli</i> (STEC) in house flies (<i>Musca domestica</i> L.) from cattle feedlots and dairies	Rukmini Puri Giri	1

08 - Graduate Poster Competition: MUVE - Bed Bugs, Urban Pests, and Field Populations	Chlorfenapyr susceptibility monitoring in bed bug (<i>Cimex lectularius</i> L.) field populations from the United States	Aaron Ashbrook	2
09 - Graduate Poster Competition: P-IE - Honey Bees and Related Pollinators	Bumble bees do it better: the importance of wild bees for the pollination of Haskap crops	S. Frier	1
09 - Graduate Poster Competition: P-IE - Honey Bees and Related Pollinators	Foraging activity and pollination by managed colonies of <i>Bombus impatiens</i> (Hymenoptera: Apidae) in highbush blueberry (<i>Vaccinium corymbosum</i>)	Knute Gundersen	2
10 - Graduate Poster Competition: P-IE - Attractants and Pheromone-mediated Behavior	The effect of host plant secondary metabolites on development and survival of <i>Grammia</i> spp. (Lepidoptera: Erebididae: Arctiinae: Arctiini)	Katherine Hernandez	1
10 - Graduate Poster Competition: P-IE - Attractants and Pheromone-mediated Behavior	Biogeochemical interactions between an invasive scarab (Japanese beetle <i>Popillia japonica</i> Newman) and its subterranean environment	Garrett Price	2
11 - Graduate Poster Competition: P-IE - Insect Control, Ecology, and Ecosystems	Sampling of adult wheat stem sawfly (<i>Cephus cinctus</i> Norton) to predict larval infestation	Christopher McCullough	1
11 - Graduate Poster Competition: P-IE - Insect Control, Ecology, and Ecosystems	Cattle grazing practices influence dung beetle communities on rangeland	Patrick Wagner	2
12 - Graduate Poster Competition: P-IE - Nursery and Specialty Crops	Assessing the role of onion thrips (<i>Thrips tabaci</i>) in bacterial leaf blight of onion	Ari Grode	1
12 - Graduate Poster Competition: P-IE - Nursery and Specialty Crops	Geranium intoxication circumvents detoxification enzymes in Japanese beetles, <i>Popillia japonica</i> Newman	Adekunle Adesanya	2
13 - Graduate Poster Competition: P-IE - Biological Control	Influence of alternative cover cropping on ground dwelling predators in a cotton agroecosystem	Marissa Verdi	1
13 - Graduate Poster Competition: P-IE - Biological Control	Predatory arthropods in two soybean cropping systems	Rebecca Whalen	2
14 - Graduate Poster Competition: P-IE - Invasive Species	Exclusion netting for spotted wing drosophila control in Michigan raspberries	Heather Leach	1
14 - Graduate Poster Competition: P-IE - Invasive Species	Modeling corn rootworm (<i>Diabrotica</i> spp.) emergence in light of Bt-RW traits and resistance	Edwin Benkert III	2
15 - Graduate Poster Competition: P-IE - Monarchs, Hemiptera/Heteroptera, and Stored Products	Does density of host plant (<i>Asclepias syriaca</i>) influence monarch butterfly (<i>Danaus plexippus</i>) oviposition?	Teresa Blader	1
15 - Graduate Poster Competition: P-IE - Monarchs, Hemiptera/Heteroptera, and Stored Products	Effectiveness of the ZeroFly® Storage Bag as a barrier to stored-product insect pests	Sulochana Paudyal	2
16 - Graduate Poster Competition: PBT - Insect Control	Investigating the immunotoxic effects of fumagillin exposure in honey bees	Rodney Richardson	1
16 - Graduate Poster Competition: PBT - Insect Control	Phosphine resistance in the lesser grain borer, <i>Rhyzopertha dominica</i> - the North American perspective	Edwin Afful	2
17 - Graduate Poster Competition: PBT - Biology and Physiology	The organization of the spider nervous system as revealed by dopamine immunolabeling and confocal microscopy	Anthony Auletta	1

17 - Graduate Poster Competition: PBT - Biology and Physiology	Analysis of DNA from <i>Wolbachia</i> infected <i>Folsomia candida</i> (Collembola: Isotomidae): evidence for a nucleolytic activity	Yang Li	2
18 - Graduate Poster Competition: SysEB - Phylogeny	Preliminary phylogeny of the South American xyleborine genera <i>Coptoborus</i> and <i>Theoborus</i> (Coleoptera: Curculionidae: Scolytinae)	Rachel Osborn	1
18 - Graduate Poster Competition: SysEB - Phylogeny	Morphological and molecular phylogeny of the genus <i>Phlaeopterus</i> (Coleoptera: Staphylinidae: Omaliinae: Anthophagini)	Logan Mullen	2
19 - Graduate Poster Competition: SysEB - Hymenoptera	Response of litter-dwelling ants to experimental removals of white-tailed deer and Amur honeysuckle in eastern deciduous forest	Michael Mahon	1
19 - Graduate Poster Competition: SysEB - Hymenoptera	Composition and species richness of ground-dwelling ants in tropical rainforest of Colombian inter-Andean valley	Rafael Achury	2
20 - Graduate Poster Competition: SysEB - Evolutionary History	Divergent selection on oviposition traits generates reproductive isolation between <i>Neodiprion lecontei</i> and <i>Neodiprion pinetum</i>	Emily Bendall	1
20 - Graduate Poster Competition: SysEB - Evolutionary History	Investigating the effects of <i>Parasitodiplogaster</i> infection on the life history characteristics of a Northern Mexican Fig Wasp community	Justin Van Goor	2
21 - Graduate Poster Competition: SysEB - Symbionts and Behavior	Gene expression profiling of undertaking behavior in the eastern subterranean termite, <i>Reticulitermes flavipes</i>	Qian "Karen" Sun	1
21 - Graduate Poster Competition: SysEB - Symbionts and Behavior	Does the X-type symbiont protect the pea aphid (<i>Acyrtosiphon pisum</i>) from parasitism?	Matthew Doremus	2
01 - Graduate Ten-Minute Paper Competition: P-IE - IPM A	Crop sequence and cover crop species affect Carabidae assemblages in an organically-managed cover-crop based reduced tillage cropping system	Ariel Rivers	1
01 - Graduate Ten-Minute Paper Competition: P-IE - IPM A	The effects of crop rotation on western corn rootworm adult abundance, root injury, and Bt resistance	Mike W. Dunbar	2
02 - Graduate Ten-Minute Paper Competition: P-IE - IPM B	An integrated pest management trap: Discovering the pheromone of the celery leaf-tier (<i>Udea rubigalis</i>)	Jessica Kansman	1
02 - Graduate Ten-Minute Paper Competition: P-IE - IPM B	Temporal patterns of a Missouri prairie stream macroinvertebrate community	Jessica Warwick	2
03 - Graduate Ten-Minute Paper Competition: P-IE - IPM C	How climate change and host-specific cold tolerance may mediate invasion potential of mountain pine beetle (<i>Dendroctonus ponderosae</i>) in novel eastern forests	Derek Rosenberger	1
03 - Graduate Ten-Minute Paper Competition: P-IE - IPM C	Urban plant heterogeneity influences cavity nesting bees and wasps	Katherine J. Todd	2
04 - Graduate Ten-Minute Paper Competition: P-IE - Insecticide A	Impact of imidacloprid treatments for hemlock woolly adelgid on surface water quality: Real or perceived?	Elizabeth P. Benton	1

04 - Graduate Ten-Minute Paper Competition: P-IE - Insecticide A	Insecticide bioassays against Florida's most destructive sweet corn pests	David Owens	2
05 - Graduate Ten-Minute Paper Competition: P-IE - Insecticide B	Neonicotinoid impacts on pollinators in apple orchards	Sarah Shugrue	1
05 - Graduate Ten-Minute Paper Competition: P-IE - Insecticide B	A novel attract-&-kill technology for oriental beetle (<i>Anomala orientalis</i>) control in blueberries	Robert Holdcraft	2
06 - Graduate Ten-Minute Paper Competition: P-IE - Chemical Ecology	A single compound in the goldenrod gall fly (<i>Eurosta solidaginis</i>) volatile emission primes anti-herbivore defenses in tall goldenrod (<i>Solidago altissima</i>)	Anjel Helms	1
06 - Graduate Ten-Minute Paper Competition: P-IE - Chemical Ecology	Efficacy of various attractant baits and lures for monitoring <i>Drosophila suzukii</i> (Diptera: Drosophilidae)	Alix Whitener	2
07 - Graduate Ten-Minute Paper Competition: P-IE - Biology/Behavior A	Attraction of female fungus gnats, <i>Lycoriella ingenua</i> (Diptera: Sciaridae) to mushroom-growing substrates and the green mold, <i>Trichoderma aggressivum</i>	Kevin Cloonan	1
07 - Graduate Ten-Minute Paper Competition: P-IE - Biology/Behavior A	Exploring the landscape of fear: the role of non-lethal predator effects in manipulating <i>Pieris rapae</i>	Sara Hermann	2
08 - Graduate Ten-Minute Paper Competition: P-IE - Biology/Behavior B	The effect of fluctuating temperature regimes on the life history of the Asian citrus psyllid and its parasitoid <i>Tamarixia radiata</i>	Kelsey Schall	1
08 - Graduate Ten-Minute Paper Competition: P-IE - Biology/Behavior B	E-probe diagnostic nucleic acid assay (EDNA) detection of <i>Spiroplasma kunkelii</i> in gray lawn leafhopper, <i>Exitianus exitiosus</i> (Uhl.), transcriptome sequencing datasets	Sharson Andreason	2
09 - Graduate Ten-Minute Paper Competition: P-IE - Ecology A	Trickle-up economics: effects of resource availability on herbivores, enemies and ecological networks	Moria Robinson	1
09 - Graduate Ten-Minute Paper Competition: P-IE - Ecology A	Evidence for grassland and agriculture in the landscape suppressing soybean aphid (<i>Aphis glycines</i>) abundance and improving field-scale soybean yields	Kaitlin Stack Whitney	2
10 - Graduate Ten-Minute Paper Competition: P-IE - Ecology B	Urban design: rain gardens support biodiversity and ecosystem services?	MaLisa Spring	1
10 - Graduate Ten-Minute Paper Competition: P-IE - Ecology B	Agricultural and ecological implications of interspecific social behavioral plasticity in entomopathogenic nematodes	Denis Willett	2
11 - Graduate Ten-Minute Paper Competition: P-IE - Bees	Does landscape mediate wild bee health and phylodiversity?	Heather Connelly	1
11 - Graduate Ten-Minute Paper Competition: P-IE - Bees	Linking bumblebee foraging to resources in Wisconsin landscapes using radio frequency identification (RFID) methods	Jeremy Hemberger	2
12 - Graduate Ten-Minute Paper Competition: P-IE - Host Plant Resistance	Soybean defense responses to the soybean aphid (<i>Aphis glycines</i>)	Kaitlin Chapman	1
12 - Graduate Ten-Minute Paper Competition: P-IE - Host Plant Resistance	Transgenerational effect of inbreeding and <i>Manduca sexta</i> herbivory on defense-related traits in horsenettle (<i>Solanum carolinense</i>)	Chad Nihranz	2

13 - Graduate Ten-Minute Paper Competition: P-IE - Biocontrol	Host range studies with <i>Scymnus coniferarum</i> , a potential biological control agent of HWA	Molly Darr	1
13 - Graduate Ten-Minute Paper Competition: P-IE - Biocontrol	Optimizing host: Parasitoid ratios and photoperiods for more efficient mass rearing of <i>Tamarixia radiata</i> (Hymenoptera: Eulophidae), a parasitoid of the citrus greening disease vector <i>Diaphorina citri</i> (Hemiptera: Psylloidea)	Xulin Chen	2
14 - Undergraduate Ten-Minute Paper Competition: SysEB	Investigating the systematics of the <i>Pseudochalcura gibbosa</i> (Hymenoptera: Eucharitidae) populations of North America	Scott Heacox	1
14 - Undergraduate Ten-Minute Paper Competition: SysEB	Social learning in the thermoregulatory fanning behavior in honeybees (<i>Apis mellifera</i> L.)	Rachael Kaspar	2
15 - Graduate Ten-Minute Paper Competition: MUVE - Mosquitoes, Midges, and Bed Bugs	Transmission of the human malaria <i>Plasmodium falciparum</i> is maximum at much lower temperatures than previously predicted	Lillian Moller-Jacobs	1
15 - Graduate Ten-Minute Paper Competition: MUVE - Mosquitoes, Midges, and Bed Bugs	Discovery of a naturally-occurring ecological trap and implementation for attract-and-kill mosquito control	Allison Gardner	2
16 - Undergraduate Ten-Minute Paper Competition: MUVE, PBT, and P-IE	Candy-cane stems not so sweet: ducking goldenrod stems have altered chemical defenses against non-galling herbivores	Rosalie Sowers	1
16 - Undergraduate Ten-Minute Paper Competition: MUVE, PBT, and P-IE	<i>Drosophila suzukii</i> in diapause?	Jessica West	2
17 - Graduate Ten-Minute Paper Competition: MUVE - Diptera	Filth fly production and parasitism in heifer rearing pens bedded with straw, hardwood sawdust, and pine shavings	Jessica Starcevich	1
17 - Graduate Ten-Minute Paper Competition: MUVE - Diptera	Effects of sugar alcohols on longevity of <i>Musca domestica</i> (Diptera: Muscidae)	Michael L. Fisher	2
18 - Graduate Ten-Minute Paper Competition: MUVE - Control Methods and Traps	Transgenic entomopathogenic fungi in the semi-field	Brian Lovett	1
18 - Graduate Ten-Minute Paper Competition: MUVE - Control Methods and Traps	Heritable variation in the sensitivity of <i>Anopheles gambiae</i> to DEET	James Ricci	2
19 - Graduate Ten-Minute Paper Competition: MUVE - Ticks, Termites, Ants, Behavior, and Field Studies	Trail-pheromone sensing in the Asian longhorned beetle (<i>Anoplophora glabripennis</i>): A behavioral study	Fern Graves	1
19 - Graduate Ten-Minute Paper Competition: MUVE - Ticks, Termites, Ants, Behavior, and Field Studies	Body size and thermal ramping rate affect the thermal tolerance of two invasive ants, <i>Nylanderia fulva</i> (Mayr) and <i>Solenopsis invicta</i> (Buren) (Hymenoptera: Formicidae)	Michael Bentley	2
20 - Graduate Ten-Minute Paper Competition: PBT - Physiology	Dragonfly larva's respiratory jet control using tri-leaflet anal valve	Chris Roh	1
20 - Graduate Ten-Minute Paper Competition: PBT - Physiology	Determination of the absolute configuration of female-produced contact sex pheromone components of the longhorned beetle, <i>Neoclytus acuminatus acuminatus</i> (F.) (Coleoptera: Cerambycidae)	Gabriel Hughes	2

21 - Graduate Ten-Minute Paper Competition: SysEB - Systematics and Taxonomy	Assessing phylogenetic relationships between emerald moth (Geometridae: Geometrinae) tribes using next-gen sequencing	David Plotkin	1
21 - Graduate Ten-Minute Paper Competition: SysEB - Systematics and Taxonomy	Progress in reconstructing the higher-level phylogeny of longhorned beetles (Coleoptera: Cerambycidae) using phylogenomic data	Stephanie Haddad	2
22 - Graduate Ten-Minute Paper Competition: PBT - Bees and Pesticides	Monitoring for soybean aphid resistance to foliar insecticides in Minnesota	Anthony Hanson	1
22 - Graduate Ten-Minute Paper Competition: PBT - Bees and Pesticides	The effects of in-hive miticides on honey bee (<i>Apis mellifera</i>) queen retinue response and mandibular pheromones	Elizabeth Walsh	2
23 - Graduate Ten-Minute Paper Competition: PBT - Guts, Bt, Microbes, and Immune Response	Resistance to Cry3Bb1 in the western corn rootworm (<i>Diabrotica virgifera virgifera</i>): RNA-seq & differential expression	Leslie Rault	1
23 - Graduate Ten-Minute Paper Competition: PBT - Guts, Bt, Microbes, and Immune Response	Feeding and mating initiate juvenile hormone regulation of reproduction in bed bugs	Hemant Gujar	2
24 - Graduate Ten-Minute Paper Competition: SysEB - Behavior, Coevolution, and Symbiotic Associations	Genomics and adaptation in <i>Wolbachia</i> , an obligate reproductive parasite in <i>Trichogramma</i> wasps	Amelia Lindsey	1
24 - Graduate Ten-Minute Paper Competition: SysEB - Behavior, Coevolution, and Symbiotic Associations	Genome of <i>Rickettsia</i> endosymbiont suggests candidate mechanisms for fitness benefit to invasive whitefly host	Bodil Cass	2
25 - Graduate Ten-Minute Paper Competition: SysEB - Citizen Science, New Methods, and Physiology	Phylogenetic basis for understanding genome size evolution in <i>Drosophila</i>	Carl Hjelman	1
25 - Graduate Ten-Minute Paper Competition: SysEB - Citizen Science, New Methods, and Physiology	Using citizen science data to estimate immature survival of monarchs (<i>Danaus plexippus</i>) and inform conservation	Kelly Nail	2
26 - Graduate Ten-Minute Paper Competition: SysEB - Dispersal, Colonization, and Biogeography	Environmental temperature gradients contribute to range limits for high-elevation butterflies	Dale Halbritter	1
26 - Graduate Ten-Minute Paper Competition: SysEB - Dispersal, Colonization, and Biogeography	The evolution and biogeography of top Neotropical predators (<i>Eciton</i> spp.)	Max E. Winston	2
27 - Graduate Ten-Minute Paper Competition: SysEB - Speciation and Evolutionary Morphology	Systematics of the millipede assassin bugs (Heteroptera: Reduviidae: Ectrichiinae): flaunting aposematism and extreme sexual dimorphism	Michael Forthman	1
27 - Graduate Ten-Minute Paper Competition: SysEB - Speciation and Evolutionary Morphology	Larval host phylodiversity of <i>Acronicta</i> (Lepidoptera: Noctuidae: Acronictinae)	Brigette Zacharczenko	2
Student Three-Minute Presentation Competition A	Herbicide induced effects on oviposition of the rice water weevil (<i>Lissorhoptrus oryzophilus</i>)	Emily Kraus	1
Student Three-Minute Presentation Competition A	Ionotropic and Gustatory Receptors Expressed in the Haller's Organ of Male and Female <i>Ixodes scapularis</i> Ticks (Acari: Ixodidae)	Tanya Josek	2

Student Three-Minute Presentation Competition A	Mechanisms of carbohydrate-fueled ecological dominance in a tropical rainforest canopy-foraging ant	Erica Parra	Audience Choice
Student Three-Minute Presentation Competition B	Harlequin bug response to color: Its relation to attract-and-kill systems	Anthony DiMeglio	1
Student Three-Minute Presentation Competition B	Duration of plant damage by host larvae affects attraction of two parasitoid species (<i>Microplitis croceipes</i> and <i>Cotesia marginiventris</i>) to cotton: Implications for interspecific competition	Tolulope Morawo	2
Student Three-Minute Presentation Competition B	Dried distillers grains with solubles (DDGS) susceptibility to insect infestation	Mahsa Fardisi	Audience Choice