

<b>Name/Program</b>	<b>Poster Title/Mentor/Department</b>	<b>Institution</b>	<b>Poster</b>
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<b>Meagan Aliff</b> Microbiology	Using Cationic Dyes to Image <i>Geobacter sulfurreducens</i> Daniel Bond / Biotechnology Institute	Bowling Green State University	27
<b>Tania Aviles-Andino</b> Molecular Genetics & Proteomics	Enrichment of Bacteria for Biodegradation of Novel Nitrogenous Compounds Larry Wackett / Biotechnology Institute	University of PR - Bayamon	35
<b>Lara Backman</b> Molecular Genetics & Proteomics	The Effect of VCAM-1 on T Cell Activation Yoji Shimizu / Laboratory Medicine & Pathology	Scripps College	36
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<b>Natashay Bailey</b> Independent Research	Unraveling Acute Myelogenous Leukemia Chemotherapy Resistance And Relapse David Largaespada / Genetics, Cell Biology & Development	University of MN – Twin Cities	46
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<b>Benjamin Benoit</b> Molecular Genetics & Proteomics	Dual <sup>18</sup> O and Isobaric Tag Labeling of Peptides in Saliva for Quantification in Mass Spectrophotometry Timothy Griffin / Biochemistry, Molecular Biology, & Biophysics	St. Cloud State University	38
<b>Alyssa Bernardo</b> IR -IGERT	Variable Success of Biological Control in Minnesota Wetlands: Seasonal Patterns of Purple Loosestrife ( <i>Lythrum salicaria</i> ) Defoliation Ruth Shaw / Ecology, Evolution & Behavior	University of MN – Twin Cities	48
<b>Bethelhem Beyene</b> Independent Research	The Physiological Difference of Turions of <i>Potamogeton crispus</i> -an Invasive Aquatic Plant Florence Gleason / Plant Biology	Anoka Ramsey Community College	49
<b>Michael Brown</b> Neuroscience	Elucidating the Cellular Markers in the Extended Amygdala Associated with Acute Morphine-Induced Withdrawal Jonathan Gewirtz / Psychology	University of MD – Eastern Shore	64
<b>Jodi-Ann Browning</b> IR-IGERT	Do Bed Bugs of Different Ages and Sexes Produce Different Aggregation Pheromones? Roger Moon / Entomology	Barry University	50
<b>Krizia Cabrera</b> Heart, Lung & Blood	Covalent Cross-Linking of Recombinant 8-Oxoguanine Glycosylase to a Synthetic Oligodeoxynucleotide DNA Substrate Colin Campbell / Pharmacology	Universidad Metropolitana	10
<b>Katherine Christiansen</b> Global Change Ecology	The Effects of Invasive Earthworms on Soil Characteristics Kyle Zimmer / Itasca Biology Program	Hillsdale College	1
<b>Jennifer Conrad</b> Molecular Genetics & Proteomics	Identifying Putative <i>Sclerotium hydrophilum</i> Isolates Taken from Wild Rice ( <i>Zizania palustris</i> L.), Assessing Variation Between Samples and Determining Effects of Fungicide on <i>S. hydrophilum</i> Deborah Samac / Plant Pathology	Green Mountain College	11
<b>Jerfiz Constanzo</b> Heart, Lung & Blood	Improved Methodologies to Perform DTI Imaging of Perfusion Fixed Large Mammalian Hearts Within A 3 Tesla MRI Unit: Minimization of Motion Artifacts Paul Iaizzo / Anesthesiology	Universidad Metropolitana	12
<b>Michelle Corkrum</b> Neuroscience	Analyzing the Amount of Neural Plasticity in Female Syrian Hamsters due to Varying Amounts of Sexual Experience Robert Meisel / Neuroscience	Wellesley College	65

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<b>Jaclyn Essig</b> IRSP	The Effect of Inhibitory Synthetic Peptide 15-1 on Prostate Tumor Cell Growth James McCarthy / Laboratory Medicine and Pathology	Anoka Ramsey Community College	51
<b>Leidy Feliz-Carrasco</b> Heart, Lung & Blood	The role of <i>Wac</i> gene in Colorectal Cancer David Largaespada / Genetics, Cell Biology & Development	Universidad Metropolitana	13
<b>Kellie Fiedler</b> IRSP	Rescuing <i>S. cerevisiae</i> Cold-Sensitive Deletion Mutants to Restore Wild-Type Phenotype Robin Wright / Genetics, Cell Biology & Development	Anoka Ramsey Community College	52
<b>William Fischer</b> IR – Hapmap	Observing the Genetic Diversity of Various <i>S. meliloti</i> Species Via the rep-PCR Fingerprinting Method Betsy Martinez-Vaz / Hamline University	Hamline University	53
<b>Hugo Fonseca-Hirzel</b> IR – Hapmap	Introducing GFP into <i>Shinorhizobium</i> as a tool for <i>in vivo</i> monitoring of early nodulation in the roots of <i>Medicago truncatula</i> Betsy Martinez-Vaz / Hamline University	University of PR - Cayey	54
<b>Danielle Foster</b> Heart, Lung & Blood	The Role of Senescence in Immortalized Cells Which Express an Oncogenic Ras Gene Peter Bitterman / PACC Medicine	Xavier University	14
<b>Madelyn Gerber</b> Microbiology	Bafilomycin-Resistant <i>Orthoreovirus</i> Mutants are More Sensitive to Proteolysis Leslie Schiff / Microbiology	University of MN – Morris	28
<b>Phillip Geter</b> Heart, Lung & Blood	Synthesis of Novel Drugs Capable of Forming DNA-Protein Cross-links that Kill Human Cancer Cells Colin Campbell / Pharmacology	University of Maryland	15
<b>Kristina Gorshe</b> IR – IGERT	Oviposition of an Introduced Predator ( <i>Harmonia axyridis</i> ) and A Native Predator ( <i>Coleomegilla maculata</i> ) on Sweet Corn David Andow / Entomology	University of WI – River Falls	55
<b>Zane Grabau</b> Independent Research	Impacts of Nitrogen Availability on Interactions between Potato Scab Pathogens and Antibiotic-producing <i>Streptomyces</i> Linda Kinkel / Plant Pathology	Concordia University	56
<b>Hal Halvorson</b> Global Change Ecology	Watershed Implications of Earthworms at the Headwaters of the Mississippi River James Cotner / Ecology, Evolution & Behavior	St. Olaf College	3
<b>Christopher Jenness</b> Molecular Genetics & Proteomics	Mapping interactions between the pro-apoptotic Bcl-2 protein, Noxa, and the tumor suppressor phosphatase PHLPP2 Ameeta Kelekar / Laboratory Medicine & Pathology	Linfield College	39
<b>Courtney Kirkland</b> Microbiology	Identification of Mexican Salsa Ingredients that Contribute to Inhibition of <i>Salmonella</i> Growth at Room Temperature Francisco Diez-Gonzalez / Food Science & Nutrition	Clemson University	29
<b>Vanesa Laboy-Colon</b> Molecular Genetics & Proteomics	<i>In situ</i> Analysis of Virus-Specific CD8 T-Cells in a Simian Model of HIV Infection Pamela Skinner / Veterinary & Biomedical Sciences	University of PR - Mayaguez	40
<b>Anastasiya Lavell</b> Molecular Genetics & Proteomics	Identifying Natural and Artificially Induced Stem Rust Resistance in <i>Brachypodium distachyon</i> David Garvin / Agronomy & Plant Genetics	Anoka Ramsey Community College	41
<b>Keona Lawrence</b> Independent Research	Isolation of Compounds in Brazilian propolis Active Against the Honey Bee Pathogen <i>Paenibacillus larvae</i> Jerry Cohen / Plant Biology	Fort Valley State University	57
<b>Kiara Little</b> Molecular Genetics & Proteomics	Sensitivity of Bipolaris Species to the Fungicides Tilt and Quadris Deborah Samac / Plant Pathology	Fort Valley State University	42
<b>Jeremiah John Locquiao</b> Heart, Lung & Blood	Searching The Molecular Pathway Of Hoxa3's Inhibition Of Hematopoiesis Michael Kyba / Pediatric HOT	Carleton College	16
<b>Jorge Martinez-Marquez</b>	Effect of <i>Ornithodiplostomum ptychocheilus</i> metacercariae on Predatory Avoidance of Fathead Minnows	University of PR - Cayey	4

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<b>Anne Merley</b> Microbiology	Generation of a Recombinant HCMV Virus Expressing a UI94 EGFP or mCherry Fusion Protein Wade Bresnahan / Microbiology	Wesleyan University	30
<b>Edgar Miranda-Gonzalez</b> Microbiology	<i>C. Albicans</i> Ferric Reductase Fre2 $\delta$ / $\Delta$ Mutant Complementation Dana Davis / Microbiology	University of PR - Cayey	31
<b>Leslie Montanez-Pagan</b> Heart, Lung & Blood	CD38 Expression In Asthmatic HASM Cells: The Role Of Phosphatidylinositol 3-Kinase/Akt (PI3K/Akt) Mathur Kannan / Veterinary & Biomedical Sciences	University of PR - Cayey	17
<b>Sara Ocasio-Ortiz</b> Global Change Ecology	Population and Diversity Differences of Small Mammals Inside and Outside Deer Exclosures at Itasca State Park, Minnesota Joseph Whittaker / Itasca Biology Program	University of PR – Rio Piedres	5
<b>Ruby Otero-Rivera</b> Microbiology	Development of a New Selectable Marker in <i>Candida albicans</i> Judith Berman / Genetics, Cell Biology & Development	University of PR - Cayey	32
<b>Jose Paiz-Leonardo</b> IR – Hapmap	Effect of Inoculation Rate on Nodulation of <i>Medicago truncatula</i> by <i>Sinorhizobium</i> Michael Sadowsky / Soil, Water & Climate	Hamline University	58
<b>Juan Reyes</b> Heart, Lung & Blood	Studying The Genetic Basis Of Autoimmunity With Sleeping Beauty Mutagenesis Kristin Hogquist / Laboratory Medicine & Pathology	University of MN – Twin Cities	18
<b>Lorangelly Rivera-Torres</b> Heart, Lung & Blood	Bronchoalveolar Lavage Fluid Cytokine Levels In Acute Lung Rejection Marshall Hertz / PACC Medicine	Universidad Metropolitana	19
<b>Shivon Robinson</b> Neuroscience	Working Memory Deficits in Schizophrenia Associated With Decreased White Matter Integrity Kelvin Lim / Psychiatry	Williams College	66
<b>Myraida Rodriguez-Arroyo</b> Heart, Lung & Blood	Blockade Of Brain Na <sup>+</sup> Channels Attenuates Salt-Sensitive Hypertension John Osborn / Integrative Biology & Physiology	University of PR - Cayey	20
<b>Jessica Ruiz</b> Heart, Lung & Blood	Morphological Changes of Amygdala in R6/2 Mice Model of Huntington Disease Janet Dubinsky / Neuroscience	Long Beach City College	21
<b>Ignacio Salas</b> Molecular Genetics & Proteomics	Elucidating the Mechanisms of Biofilm Formation in Extraintestinal Pathogenic <i>Escherichia coli</i> (ExPEC) Tim Johnson / Veterinary & Biomedical Sciences	University of CA - Berkeley	43
<b>Clara Shaw</b> Global Change Ecology	Effects of Invasive Earthworms on Microbial Populations at Itasca State Park Deena Wassenberg / Biology Program	Oberlin College	6
<b>Sabrina Shrader</b> IR –IGERT	Potential Ecological Impacts of the Emerald Ash Borer in Minnesota Forests Lee Frelich / Forest Resources	University of TN - Martin	59
<b>Greg Sibbel</b> Microbiology	Adaptation of Engineered <i>Shewanella oneidensis</i> for Utilization of Waste Glycerol Jeffrey Gralnick / Biotechnology Institute	Simpson College	33
<b>Meenakshi Sigireddi</b> IR –IGERT	qPCR Detection of <i>Salmonella</i> on Great Lakes Beaches Michael Sadowsky / Soil, Water & Climate	Houston Baptist University	60
<b>Emilia Sola-Gracia</b> Global Change Ecology	<i>Ornithodiplostomum ptychocheilus</i> (OP) Metacercariae Effects on Fathead Shoaling Activity Brian Wisendon / Itasca Biology Program	University of Rochester	7
<b>Elizabeth Steinert</b> IR – Hapmap	Multilocus Sequence Typing to Evaluate the Relatedness of Sinorhizobia Strains Betsy Martinez-Vaz / Hamline University	Hamline University	61
<b>Edward Stronge</b> Heart, Lung & Blood	Role of a Phosphorylation-Dependent Salt-Bridge in the Regulation of Smooth Muscle Myosin David Thomas / Biochemistry, Molecular Biology & Biophysics	University of MN – Twin Cities	22

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<b>Kazuo Uyehara</b> Global Change Ecology	The Presence of Ranavirus in Frog Populations at Itasca State Park, Minnesota Tony Gamble / Genetics, Cell Biology & Development	Swathmore College	8
<b>Rachel Ward</b> IR – IGERT	Avoidance of <i>Harmonia axyridis</i> Tracks by <i>Binodoxys communis</i> George Heimpel / Entomology	Concordia College	62
<b>Jessalyn Weaver</b> Heart, Lung & Blood	Identifying the lentiviral Vif interacting region in primate APOBEC3F proteins Reuben Harris / Biochemistry, Molecular Biology & Biophysics	Hamline University	24
<b>Ebony Williams</b> Molecular Genetics & Proteomics	Understanding Myosin 5 in <i>Dictyostelium discoideum</i> Margaret Titus / Genetics, Cell Biology & Development	Mount Holyoke College	44
<b>Sarah Winikoff</b> Global Change Ecology	Arthropod Diversity across a Worm Infestation Gradient in Itasca State Park Sehoya Cotner / Ecology, Evolution & Behavior	University of MN - Morris	9
<b>Rahel Woldeyes</b> Heart, Lung & Blood	Determining the Role Of MYOSIN VI in Human Glioma and Prostate Cancer David Largaespada / Genetics, Cell Biology & Development	University of MN – Twin Cities	25
<b>Chelsea Xu</b> Microbiology	HSV-1 ICP27 Protein Regulates the Expression of Glycoproteins C and B by Different Mechanisms Stephen Rice / Microbiology	Brown University	34