

<b>Name/Program</b>	<b>Poster Title/Mentor/Department</b>	<b>Institution/Major</b>	<b>Poster</b>
<b>Ifeanyirochukwu Anwah</b> Heart, Lung, & Blood	Subcellular Localization of the DNA Repair Protein Aprataxin Colin Campbell / Pharmacology	University of Minnesota-Twin Cities Biology	1
<b>Megan Bearman</b> Independent Research	You Can (or Can't) Have My Cookies: A Macroscale Comparison of Nutrient Utilization and Inhibitory Phenotypes in <i>Streptomyces</i> Linda Kinkel / Plant Pathology	St. Olaf College Biology	2
<b>Vimary Bermudez-Rosado</b> Heart, Lung, & Blood	Influence of Cytomegalovirus Shedding on Gene Expression in Bronchoalveolar Lavage Cells Marshall Hertz / PACC Medicine	University of Puerto Rico-Cayey General Sciences	3
<b>Cassandra Bohnet</b> Independent Research	Ultraviolet and Shortwave Visible Radiation Contributes to Carbon Dioxide Release from Photodegrading Plant Litter Jennifer King / Soil, Water, and Climate	Univ. of Northern Iowa Biology	4
<b>Christian Bravo-Rivera</b> Neuroscience	Lithium Regulation of Gene Expression in Rat Brains: Approach to the Molecular Understanding of Mental Disorders Hossein Fatemi / Psychiatry	University of Puerto Rico-Rio Piedres Biology	5
<b>Jonathan Brestoff</b> Independent Research	Decreased <i>Trans</i> -4-hydroxy-2-nonenal Detoxification May be Associated with Obesity-related Insulin Resistance David Bernlohr / BMBB	Skidmore College Chemistry	6
<b>Allison Cherry</b> Independent Research	Comparison of Xanomeline Wash-resistant Binding Across M1-M4 Muscarinic Acetylcholine Receptors Esam El-Fakahany / Psychiatry	University of Minnesota-Twin Cities Biochemistry	7
<b>Jose Cotto-Ortiz</b> Heart, Lung, & Blood	Characterization of PAAP-motif Containing Proteins in <i>Streptococcus sanguinis</i> Mark Herzberg / Diagnostic and Biological Sciences	University of Puerto Rico-Cayey Natural Sciences	8
<b>David Covarrubias</b> Molecular Genetics & Proteomics	Activation of JAK2/STAT3 Pathway Following Optic Nerve Injury: A Model for Intranasal Drug Delivery Studies Linda McLoon / Ophthalmology	Univ. of Texas – Austin Molecular Cell Biology	9
<b>Marco Escobedo</b> Heart, Lung, & Blood	The Role of Simocyclinone D8, a Potent Anti-bacterial Topoisomerase II Inhibitor in Non-small Lung Cancer Cells Robert Kratzke / Hematology, Oncology and Transplantation	St. Mary's Univ. – Texas Biological Sciences	10
<b>Darryl Finkton</b> Heart, Lung, & Blood	Intrapericardial Delivery of Anti-arrhythmic Therapeutics Paul Iaizzo / Anesthesiology	Harvard University Neurobiology	11
<b>Silmon Ghebreyesus</b> Neuroscience	Investigating the Role of Phosphoinositide 3-kinase in the TSC-Rheb-TOR Signaling Pathway Scott Selleck / Genetics, Cell Biology and Development	Louisiana State University Biochemistry	12
<b>Valerie Grant</b> Heart, Lung, & Blood	Effect of Intracerebroventricular Benzamil on Angiotensin II - Salt Hypertension John Osborn / Department of Integrative Biology & Physiology	Univ. of Michigan – Ann Arbor Cellular Molecular Biology	13
<b>Randy Krug</b> IRSP	The Effects of Temperature on the Sensitivity of Selected Mutant <i>Saccharomyces Cerevisiae</i> Strains to Fenpropimorph, Miconazole, and Zaragozic Acid Robin Wright / Genetics, Cell Biology and Development	Anoka Ramsey CC Biological Sciences /Chemistry	14

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<b>Wing Lam</b> Molecular Genetics & Proteomics	Genetic Analysis of <i>Shewanella oneidensis</i> MR-1 for Altered Production and Reduction of Vitamin B2 Jeffrey Gralnick / Biotechnology Institute	Carleton College Biology	15
<b>Samuel Lancaster</b> Molecular Genetics & Proteomics	Analyses of a Biofilm Mutant in <i>Geobacter sulfurreducens</i> using Novel Protein Preparation for Mass Spectrometry and GFP Labeling Daniel Bond / Biotechnology Institute	Grinnell College Biology	16
<b>Charity Mills</b> Heart, Lung, & Blood	Characterization of CD38 Monoclonal Antibodies that Inhibit CD38 ADP-ribosyl Cyclase Activity Timothy Walseth / Pharmacology	Univ. of Houston Biology	17
<b>Sarita Minor</b> Heart, Lung, & Blood	Translational Control of Cancer Peter Bitterman / PACC Medicine	Univ. of Houston Chemistry	18
<b>Janitza Montalvo-Ortiz</b> Neuroscience	Effects of Allopregnanolone on the Reinstatement of Cocaine-seeking and Locomotor Activity in Female Rats Marilyn Carroll / Psychiatry	University of Puerto Rico– Rio Piedres Neuroscience	19
<b>Cameron Murphy</b> Independent Research	Purification of LCN2-GST Fusion Protein Expressed in BL-21 <i>Escherichia Coli</i> David Bernlohr / BMBB	Hastings College Chemistry	20
<b>Edith Natoolo</b> IRSP	Yeast Sterol Stability in the Cold Robin Wright / Genetics, Cell Biology and Development	Anoka Ramsey CC Biochemistry	21
<b>Bradley Nix</b> Neuroscience	Correlation of Complex Spike in Cerebellar Purkinje Cells to Arm Kinematics in Monkeys Timothy Ebner / Neuroscience	University of Minnesota– Morris Biology	22
<b>Will Paulson</b> IRSP	Engineering a Cyclin D2 Expression Vector to Inhibit Murine Plasma Cell Tumor Growth Brian VanNess / Genetics, Cell Biology and Development	Anoka Ramsey CC	23
<b>Michelle Perry</b> Heart, Lung & Blood	Quantification and Comparison of Trabeculae in Human, Canine, and Swine Hearts Paul Iaizzo / Anesthesiology	Bethel College Biology	24
<b>Jennifer Phan</b> Molecular Genetics & Proteomics	RNAi Knockdown of 6-Phosphofructo 2-Kinase/Fructose 2, 6-Bisphosphatase Alex Lange / BMBB	St. Cloud State Univ. Biochemistry	25
<b>Daniel Rossi</b> Independent Research	How Specific is an Obligate Mutualism? Using DNA Barcoding to Determine Host Specificity of Fig Wasps (Agaonidae) George Weiblen / Plant Biology	University of Minnesota– Twin Cities Plant Biology	26
<b>Nora Sadek</b> Heart, Lung, & Blood	The Form and Function of Melanopsin Expressing Ganglion Cells Throughout Development Paulo Kofuji / Neuroscience	St. Mary's Univ. Minnesota Biology	27
<b>Veronica Santiago-Rivera</b> Neuroscience	Caudal to Rostral Distribution of AAV-5 Green Fluorescent Protein Along the Neuroaxis Following Intrathecal Injection in Mice Carolyn Fairbanks / Department of Pharmaceutics	University of Puerto Rico– Rio Piedres Biology	28

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<b>Brittany Stinson</b> Heart, Lung, & Blood	Opioids Promote Angiogenesis and Tumor Progression Kalpna Gupta / Hematology, Oncology and Transplantation	Norfolk State University Biology Pre-Med	30
<b>Alex Strachota</b> Neuroscience	3-D Reconstruction of Mouse Brain and Cochlea Using Thin-sheet Laser Imaging Peter Santi / Otolaryngology	College of St. Scholastica Biology	31
<b>Jonathan Stupica</b> IRSP	Epitope Tagging Rim8, a Protein Involved in Rim101 Processing Dana Davis / Microbiology	Anoka Ramsey CC Microbiology	32
<b>Norbert Tavares</b> Heart, Lung, & Blood	Characterization of Biofilm Formation of <i>Escherichia coli</i> Isolates from Lake Michigan Sediment Michael Sadowsky / Soil, Water & Climate	Southern CT State Univ. Biology	33
<b>Melba Tejera</b> Heart, Lung, & Blood	Differential Protein Expression in Chronic Lung Transplant Rejection by Human BALF-BOS and Murine OB-iTRAQ Profiles Christine Wendt / PACC Medicine	Univ. of Southern Florida Biology	34
<b>Allison Wagner</b> Molecular Genetics & Proteomics	Using Chromatin Immunoprecipitation to Measure F-box Protein Dia2 Binding to the rDNA Locus in <i>Saccharomyces cerevisiae</i> Deanna Koepp / Genetics, Cell Biology and Development	St. Olaf College Biology	35
<b>Alexandra Wells</b> Heart, Lung, & Blood	Determining Regulation of Transcription Factors Involved in Inflammatory Response as Seen in Sickle Cell Disease Subjects At-risk and not At-risk for Stroke Robert Hebbel / Medicine	Calvin College Biology	36
<b>Casey Yang</b> Heart, Lung, & Blood	Carbon Monoxide Reduces Markers of Oxidative Stress and Inflammation in Transgenic Sickle Mice Gregory Vercellotti / Medicine	Carleton College Biology	37