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student name/campus	Program	Poster Authors	Poster Departmental Affiliations	Poster Title
Sunkanmi Ajewole / Hershey	EOPC	Sunki A Ajewole, David J Spector	Department of Microbiology and Immunology, The Pennsylvania State University, College of Medicine	Adenovirus DNA-protein VII complexes from cells early after infection by means of noninvasive methods
Abbas Alibhoy / Hershey	SURIP	Abbas A. Alibhoy ¹ , Jason R. Mest, Keith C. Cheng	¹ Elizabethtown College; Department of Pathology, Jake Gittlen Cancer Research Foundation, The Pennsylvania State University College of Medicine	Establishing tissue and cell image informatics using Hydra magnipapillata
Whitney Amato / Hershey	SURIP	W.M. Amato ^{1,2} , S. Sass-Kuhn ² , L.M. Shantz ²	¹ Dickinson College, Department of Biology, Carlisle PA; ² The Pennsylvania State University College of Medicine, Department of C&M Physiology	Investigation of Ornithine Decarboxylase Splice Variants in Skin Carcinoma Cell Lines
Shaynah Browne / Hershey	EOPC	Shaynah Browne ¹ , Mindy Lull ² and Joan Summy-Long ²	¹ Lincoln University, ² Department of Pharmacology, The Pennsylvania State University College of Medicine	Changes in OX42+Microglia in the Supraoptic Nucleus during Microdialysis and Osmotic Stimulation: A Quantitative Light Microscope Study
Nicholas Dalessandro / Hershey	SURIP	Nicholas Dalessandro ¹ , John Harms ² , Gail Matters ² , Christopher McGovern ² , Jill P. Smith ²	¹ Lycoming College; ² Department of Gastroenterology, The Pennsylvania State University College of Medicine	Inhibition of gastrin mRNA alters growth of human pancreatic cancer.
Kolapo DaSilva / University Park	SURIP	Kolapo DaSilva ¹ , Jeffrey Zahn, PhD ^{1,2}	⁽¹⁾ Department of Bioengineering Biomaterials and Bionanotechnology Summer Institute ⁽²⁾ Materials Research Institute	On-Chip Microdialysis System with Glucose Sensing Capabilities
K. Arnez Davis / University Park	BBSI	K. Arnez Davis and A. Daniel Jones	Department of Chemistry, The Pennsylvania State University and Morehouse College	Engineering chiral nanostructured monolithic columns using 3,5-bis(trifluoromethyl)phenyl isocyanate derivatized chitosan (TICHS)-silica composites for enantiomeric separations
Andrea Dreiss / Hershey	BBSI	Andrea D. Dreiss ¹ , Jung Yul Lim ² , Henry J. Donahue ²	Texas A&M, Dept of Biomedical Engineering ¹ , Dept of Orthopedics and Rehabilitation ² , The Pennsylvania State University BBSI	Growth and Development of Human Mesenchymal Stem Cells on Nanoisland Topographies
April Fuller / Hershey	SURIP	¹ April Fuller; Zhiyi Zhou; Zhongyong Li, Andrea Manni, and Henry J. Donahue	¹ Winston-Salem State University; Department of Orthopedics and Rehabilitation, and Endocrinology The Pennsylvania State University College of Medicine	DFMO Reduces Cell-to-Cell Communication Between Breast Cancer Cells and Osteoblastic Cells
Mariana Garcia / University Park	BBSI	Mariana Garcia ¹ , Michael Ferko ¹ , Jen Overberg ² , Carlo Pantano PhD ² , Peter J. Butler, PhD ¹	¹ Department of Bioengineering and ² Materials Research Institute, The Pennsylvania State University, University Park, BBSI	Ultramicroscopic characterization of cell adhesion to porous glass surfaces
Mary Harner / Hershey	SURIP	¹ Mary Harner, Emily McDevitt, Harriet Isom	¹ Elizabethtown College; Department of Microbiology and Immunology, The Pennsylvania State University, College of Medicine	The Down-Regulation of E-Cadherin and Its Effects on the Wnt Signaling Pathway ¹
Janae Heath / Hershey	SURIP	¹ Janae Heath, Arun Sharma, Rosalyn Irby	¹ The Pennsylvania State University University, University Park; Cancer Center, The Pennsylvania State University College of Medicine	Cytotoxic and Genotoxic Effects of 2-Alkylcyclobutanones, Products of the Irradiation of Food
Erin Henninger / Hershey	SURIP	Erin Henninger ¹ , Scott Kenney ² , Leslie Parent ²	Grove City College ¹ , Dept of Microbiology and Immunology The Pennsylvania State University College of Medicine ²	Rous sarcoma virus Gag interactions with host cellular factors and investigation of differential Gag protein structure in cellular targeting
Emily Hiers / University Park	BBSI	¹ Emily Hiers, Susan Gillmor ² and Paul Weiss ²	¹ Department of Chemical Engineering, University of Colorado at Boulder, ² Department of Chemistry and Physics, The Pennsylvania State University, University Park	Flow chamber design for vesicle adhesion studies

Shannon Jones / Hershey	SURIP	Shannon Jones ¹ , Keith R. Milner ² , Hanako Yamanaka ³ , Christopher A. Siedlecki ^{2,3}	Department of ¹ Life Sciences, Winston Salem State University, Departments of ² Surgery and ³ Bioengineering, The Pennsylvania State University	Procoagulant State of Platelets Adhered to Textured Polyurethane Biomaterials
Bryn Lipovsky / Hershey	SURIP	Bryn Lipovsky ¹ , Erin Zimmerman ¹ , Jian- Li Wang ² , Qing Yang ² , Paul Eslinger ²	Departments of ² Surgery and ³ Bioengineering, The Pennsylvania State University	Functional Brain Activity Underlying the Development of Spatial Cognition
Hye-Ryong (Helen) Kim / University Park	BBSI	Hye-Ryong (Helen) Kim ¹ and Ahmed A. Heikal [*]	¹ University of Rochester, Department of Biomedical Engineering; [†] Biomaterial and Bionanotechnology Summer Institute, Pennsylvania State University; University Park	Flavin Fluorescence as a Probe for Energy Metabolism and Cancer Diagnostics
Matthew Martz / Hershey	working	Matthew K. Martz, Nurgul Salli, John Flannigan [*] , Kent E. Vrana	Department of Pharmacology and * Biochemistry and Molecular Biology, The Pennsylvania State University College of Medicine	Mutational Analysis of Human Tryptophan Hydroxylase (hTPH2)
Douglas Marvel / Hershey	SURIP	Douglas M. Marvel (1), Neil Kubica (2), Jamie L. Crispino (2), Scott R. Kimball (2) and Leonard S. Jefferson (2).	University of Rochester, Department of Biology, ² : The Pennsylvania State University, Department of Cellular and Molecular Physiology	Leucine and/or IGF-1 stimulate eIF2BE mRNA translation in Rat2 Fibroblasts
Rishi Mathura / University Park	BBSI	Rishi Mathura ¹ , Tristan Tabouillot ² , Jhanvi H. Dangaria ² , and Peter J. Butler, PhD ²	¹ Biomedical Engineering Dept. of The City College of New York, ² Department of Bioengineering, The Pennsylvania State University	A novel TTL-modulated optical trap for endothelial cell microrheology
Anna Mitsak / Hershey	BBSI	Annie Mitsak ¹ , Tao Lu Lowe ^{2,3} , Sailendra N. Nichenamela ² , and James Bauer	¹ Biomed Eng, University of Virginia; Depts of ² Surgery, ³ Bioengineering, , The Pennsylvania State University, College of Medicine	Permeability of Hyper-branched Cationic Biomaterials across the Blood Brain Barrier
Maria Movafegh / University Park	BBSI	Maria Movafegh and Erin D. Sheets	Chemistry, Pennsylvania State University, University Park	Patterning Complexity into Supported Planar Lipid Bilayers Using Microcontact Printing
Donald J. Natale III / University Park	BBSI	Donald J. Natale III, Ricardo Silva, Roger Gaumond	The Pennsylvania State University Bioengineering Department/BBSI	Electrical Characterization of Networked Populations of SKNbe2c Human Neural Blastoma
Yasmine Noza / University Park	BBSI	Yasmine Noza and Michael Green	Pine Manor College; The Pennsylvania State University, Bioengineering Department	Are Protonated Ferryls a General Feature in Cytochrome P450s?
Jennifer Nyland / Hershey	SURIP	Jennifer Nyland ¹ , Alistair Barber and the Penn State Retina Research Group	¹ Grand Valley State; Ophthalmology Department, The Pennsylvania State University College of Medicine	Investigating Neural Degradation in Diabetic Retinopathy Using Laser Capture Microscopy
Tracey Perry / Hershey	BBSI	Tracey J. Perry, Courtney A. Haynes, Dr. Herbert H. Lipowsky (advisor)	Department of Bioengineering, Pennsylvania State University	"Investigating Adhesion on an Artificial Glycocalyx"
Eric Porsch / Hershey	SURIP	¹ Eric A. Porsch, Jianzhong Zhu, Gowdahalli Krishnegowda, and D. Channe Gowda	¹ Juniata College; Department of Biochemistry and Molecular Biology, The Pennsylvania State University, College of Medicine	Downstream Signaling Pathway Requirements for Proinflammatory Mediator Expression in Macrophages in Response to the Glycosylphosphatidylinositols of Plasmodium falciparum
MarCia Pratt / Hershey	EOPC	Dr. Thomas Vary & MarCia Pratt	Department of Cellular and Molecular Physiology, The Pennsylvania State University College of Medicine	Proteomic Analysis of Myocardial Proteins During Chronic Alcohol Consumption: Possibly Early Indicators of Alcoholic Heart Muscle Disease

Matthew Rabb / University Park	BBSI	Matthew Raab and William Hancock	Bioengineering, The Pennsylvania State University	Functionalizing Molecular Motor-driven Microtubules to Detect Viruses
Kristen Rennoll / Hershey	SURIP	Kristen E. Rennoll ¹ and Rebecca C. Craven	¹ Cedar Crest College; Department of Microbiology and Immunology, The Pennsylvania State University College of Medicine	Effects of Mutated Surface Residues on Assembly Behavior of the Retroviral Capsid Protein
Ashley Rettew / Hershey	working	Ashley N. Rettew, Nicole L. Woll, Sarah K. Bronson	Department of Cellular and Molecular Physiology, The Pennsylvania State University College of Medicine	Understanding Osteogenesis via in vitro Differentiation of Murine Embryonic Stem Cells
Zachary Rice / Hershey	BBSI	Zachary Rice ¹ , Aashiish Agnihotri ² , Christopher Siedlecki ^{2,3}	¹ Department of Chemistry and Biochemistry, The University of Texas at Austin, Departments of ² Bioengineering and ³ Surgery, The Pennsylvania State University, College of Medicine	Molecular Detection of Fibrinogen Using anti-Fb Conjugated Nanogold
Mark Sternagle / University Park	BBSI	Mark Sternagle ¹ , Ryan Clement, PhD ¹ , Ricardo Silva, PhD ¹ , Eric Barrett, PhD ² , Harry Allcock, PhD ²	¹ The Pennsylvania State University, Department of Bioengineering, ² The Pennsylvania State University, Department of Chemistry	Characterization of Neuronal Response to Commercially Available Polyphosphazenes
Pamela Thompson / Hershey	SURIP	¹ Pamela Thompson, B.S., Lois Carl, M.S., Joseph Cheung, MD., Ph.D.	¹ Winston-Salem State University; Department of Cellular and Molecular Physiology, The Pennsylvania State University College of Medicine	Protein-Protein Interaction Between Phospholemman (PLM) and Cardiac Na ⁺ /Ca ²⁺ Exchanger (NCX1)
Jessica Tomlinson / Hershey	working	Jessica Tomlinson, Samantha Strickler, George Makhataze	Albright College; Department of Biochemistry and Molecular Biology, The Pennsylvania State University, College of Medicine	RNA-Binding Domain of Human U1A: Expression, Purification, and Characterization of the Wild Type and Engineered Variant
Roberto Vargas / Hershey	EOPC	Roberto Vargas, Brian Krawiec, Danuta Huber, Anne Pruznak, Charles Lang.	Department of Cellular and Molecular Physiology, The Pennsylvania State University, College of Medicine	Combined Effects of Unilateral Hind-limb Immobilization and Ethanol Ingestion on Muscle Protein Degradation
Raul Vidal / Hershey	EOPC	Raúl E. Vidal, Marieke R. Gilmartin, Mike D. Paronish, Matthew D. McEchron	Department of Neural and Behavioral Sciences, The Pennsylvania State University College of Medicine	Perinatal Nutritional Iron Deficiency in Rats Prevents Hippocampus-dependent Trace Eyeblink Conditioning but not Cerebellum-dependent Delay Eyeblink Conditioning
Desiree N. Wagner / University Park	BBSI	Desiree N. Wagner, Shile Liang, and Cheng Dong*	Department of Bioengineering, The Pennsylvania State University, University Park	Cell-Cell Adhesion Kinetics Under Shear Flow Conditions with Two-Color Flow Cytometry
Kimberly Ann Zubris / Hershey	BBSI	Kimberly Ann V. Zubris ¹ , Keith R. Milner ² , Alan J. Snyder ^{2,3} , Christopher A. Siedlecki ^{2,3}	Department of Chemical Engineering, Lehigh University; Departments of ² Surgery and ³ Bioengineering, The Pennsylvania State University, College of Medicine	Platelet Adhesion to Sub-Micron Textured Polyether (Urethane Urea)