

CBP Research Day 2025 Poster lineup

Name	CBP Affiliation	Abstract Title	Poster #
Jocelyn Alvarado	CBP curriculum student	Characterizing the Role of the Vinculin Isoform, Metavinculin in Force Transmission	29
Danial Babaki	CBP curriculum student	Phenotypic Modulation of Vascular Smooth Muscle Cells: a case for redox regulation	43
Gabrielle Bais	CBP curriculum student	Investigating the roles of FXR1 in cardiac biology	9
Laszlo Balint	Postdoc	Lymphatic activation of ACKR3 signaling regulates lymphatic response after ischemic heart injury.	2
Clay Becker	Postdoc	The Serine Protease Htra2 is Required for Myoblast Differentiation	3
Anna Beeson	CBP curriculum student	Elucidating the role of lymphatic vessel integrity in CGRP induced migraine Pathophysiology	37
Whitney Bell	CBP curriculum student	Regulation of gastric epithelial proteins in pancreatic cancer	31
Jack Bennett	CBP curriculum student	Intracellular pH Dynamics as a regulator of Cell Cycle Progression and Genome Stability	32
Leo Blondel	CBP curriculum student	Installation of Poly(A) Signals in the Human UBE3A-ATS Using Cytosine Base Editors.	30
Keith Breau	CBP curriculum student	Comprehensive mathematical modeling of the planar cell polarity complex to understand its role in regulating the human intestinal epithelium	40
Emily Bulik-Sullivan	CBP curriculum student	Elucidating the mechanism of ENaC activity reduction by CC-90009	18
Mady Chlebowski	CBP curriculum student	Investigating neuroimmune and structural signatures of peripheral neurodegeneration	23



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Jared Chrispell	Lab staff	Regulation of visual signaling and adaptation in photoreceptors via cAMP-dependent phosphorylation of GRK1 and GRK7	54
Brady Cline	Lab staff	Utilizing a reversible chemical crosslinker to uncover protein interactomes in cultured cells and zebrafish embryos.	56
Jessica Cote	Postdoc	Alternative splicing of a clathrin microexon is essential for proper skeletal muscle development	4
David Cully	Non-CBP curriculum student	Protein Geranylgeranylation Regulates Cardiac Morphology and Contractility During Embryonic Development	49
Danica Dy	CBP curriculum student	Twist1 promotes endothelial phenotypic transition during atherosclerosis	22
Reginald Edwards	CBP curriculum student	Noise-Induced Hearing Loss Alters Structure and Function of Inhibitory Cells in the Dorsal Cochlear Nucleus	46
Anca Frasineanu	CBP curriculum student	Studying the role of brain enriched E3 ubiquitin ligase TRIM9 in Alzheimer's Disease	20
Amber Gomez	CBP curriculum student	Molecular drivers of CD8 T cell exhaustion across cancer and chronic infection	38
Lauren Griffith	CBP curriculum student	Elucidating the Role of Centrosome Positioning in Oriented Cell Divisions	25
Sawyer Grizzard	Non-CBP curriculum student	Social threat recognition induces unique behavioral syllables and reshapes functional brain connectivity	50
Shenice Harrison	CBP curriculum student	Unraveling the Role of Protein Myristylation in Embryonic Heart Development	19
Mark Hazelbaker	CBP curriculum student	The ARP2/3 Complex Regulation of Clathrin Dynamics is Induced through ACK	17



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Becky Hirsch	CBP curriculum student	CD73 restrains mutant β -catenin oncogenic activity in endometrial carcinomas	15
Chris Ho	CBP curriculum student	Coro1A and TRIM67 collaborate in netrin-dependent neuronal morphogenesis	27
Max Hockenberry	CBP curriculum student	Measurement of cellular traction forces during confined migration	12
Katie Holmes	CBP curriculum student	The development of white matter astrocyte morphology and tiling in the corpus callosum	8
Nicole Hondrogiannis	CBP curriculum student	Sublethal DNA Damage in Neurons: Is the Apoptotic Pathway Even Activated?	41
Chih-Hsuan Hsu	CBP curriculum student	The role of tubulin code in organelle contacts during neuronal differentiation	42
Madison Kalk	Non-CBP curriculum student	Characterizing the cellular context of RAMP1 signaling in migraine	48
Andrew Kennedy	CBP curriculum student	ER Dynamics Control T Cell Immunity in Solid Cancer	6
Juliet King	CBP curriculum student	Regulation of delamination behavior of basal keratinocytes in the murine epidermis	28
Michelle LaBella	CBP curriculum student	The Role of TNIK and tPA in Tumor-Stroma Crosstalk, ECM Degradation and Metastasis in Pancreatic Cancer	45
Ruby Lapham	Undergraduate student	Genetic Factors Mediating Teratogenic Susceptibility to Alcohol	59
Kimberly Lukasik	CBP curriculum student	TRIM9 Regulates Melanoma Adhesion, Actin Dynamics, and Motility	21
Michelle (Frankie) Marchan	CBP curriculum student	Role of branched actin assembly and disassembly at sites of actin-endomembrane Interaction	35
Kayla Mason	CBP curriculum student	Sex-Specific Regulation of Cardiac Excitation-contraction Coupling by the RNA Helicase DDX3X.	16



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Ian McCabe	CBP curriculum student	Characterization of Pancreatic Ductal Adenocarcinoma Fibroblasts	39
Krishna Mehta	Lab staff	Anatomic and genetic profile of prepronociceptin-expressing neurons projecting from the bed nucleus of the stria terminalis to the medial amygdala	53
Noah Miller	Non-CBP curriculum student	Photometric measurement of bodily physiology in freely behaving mice	47
Pierre-Emmanuel N'Guetta	CBP curriculum student	In utero fetal denervation impacts nephron progenitor's dynamics during kidney development	11
Jennifer Nwako	CBP curriculum student	Investigating the Role of Enteroendocrine Cells in Intestinal Epithelial Barrier Function	13
Gabriel Offenback	Lab staff	Initial Purification and Proteomic Analysis of Filopodia	55
Alex Powers	CBP curriculum student	APOE4 Disrupts Lipid Droplet Metabolism in Astrocytes	33
Gabrielle Puller	Non-CBP curriculum student	Genetic Analysis of Allostery within the Multi-Subunit Exocyst Complex	51
Guillermina Rentsch	Lab staff	Increased Ciliation of CA3 Hippocampal Neurons in Alzheimer's Disease	57
David Rocco	CBP curriculum student	A Novel G13-PKC θ -RAPGEF2-RAP1 Signaling Pathway Mediating Platelet Adhesion Under High Shear Rates	5
Jake Roetcisoender	CBP curriculum student	Elucidating the role of VSMCs in guiding kidney innervation	34
Samantha Ryken	CBP curriculum student	Calcium regulated plasma membrane expansion and remodeling during neuronal morphogenesis	26
Matheus Sadovsky	CBP curriculum student	Investigating dynamic protein palmitoylation during cardiac and skeletal muscle development	14
Wendy Salmon	Core facilities staff	See More with the Hooker Imaging Core	52



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Stephen Serafin	Postdoc	Proximity proteomics of RAMP3 identifies MYO6 as a regulator of adrenomedullin signaling in lymphatic endothelial cells	1
Christina So	CBP curriculum student	Mechanism of Intracellular ANGPTL3 and ANGPTL8 Trafficking	7
Caden Sweet	CBP curriculum student	Interrogating the Cell Death Effects of IL-22 on Intestinal Stem Cells	36
Jovan Tormes Vaquerano	Non-CBP curriculum student	Motor assisted commutator to harness electronics in tethered experiments	58
Victoria Williams	CBP curriculum student	Dimerization-dependent fluorescent proteins as a tool to study ER-LD contact sites	24
Pu Zhang	CBP curriculum student	Understanding how actomyosin dynamics drive apical constriction	10
Matt Zimmerman	CBP curriculum student	Dissecting the Role of Folate-Driven One Carbon Metabolism in Tumor-Associated Macrophages	44