

All poster sessions take place in Perry Atrium, Pettengill Hall

Poster Session	Poster Session Time	Wall #	Student Name	GY	Poster Title	Poster Advisor
<b>SESSION 1: 1:45 - 3:00 PM, Perry Atrium</b>						
1	1:45 - 3:00 PM	1	Brianna Wilson	18	Genetics is a Significant Factor in the Etiology of Postpartum Depression	Pamela Baker
1	1:45 - 3:00 PM	2	Laura Rand	18	Major Histocompatibility Complex (MHC) Class IIA in Storm-petrels	Donald Dearborn
1	1:45 - 3:00 PM	3	Jacob Freedman	18	Avian Communication in Adverse Weather Conditions: Migration Strategies of North American Warblers	Donald Dearborn
1	1:45 - 3:00 PM	4	Kinsey Moser	18	Examining the Influence of Atmospheric and Weather Conditions on Nocturnal Bird Migration of Thrushes in Maine Using Acoustic Monitoring	Donald Dearborn
1	1:45 - 3:00 PM	5	Rose May	18	Characterization of the MHC Class II $\alpha$ in the Leach's Storm-Petrel	Donald Dearborn
1	1:45 - 3:00 PM	6	Gabe Benson	20	Potential Information on Reward Offered by <i>Lyonia ligustrina</i> Flowers	Carla Essenberg
1	1:45 - 3:00 PM	7	Max Watson	18	Effects of Flower Density and Mixing of Rewarding and Unrewarding Flowers on Bumble Bee Visitation Rates and Flower Constancy	Carla Essenberg
1	1:45 - 3:00 PM	8	Anabel Carter	18	Mapping the Distribution of Resilin in the Wings of Bees and Wasps	Andrew Mountcastle
1	1:45 - 3:00 PM	9	Reed Mszar	18	Examining the Association between Familial Hypercholesterolemia (FH) and Diabetes Mellitus among Local FH Patients Enrolled in the CASCADE FH Registry	Karen Palin
1	1:45 - 3:00 PM	10	Hannah Behringer	18	Assessing the Efficacy of a Chronic Disease Self-Management Program (CDSMP)	Karen Palin
1	1:45 - 3:00 PM	11	Katherine Bower	18	Behavioral Strategies for Mechanical Removal of Bacteria from the wings of <i>Bombus impatiens</i> Bumblebees	Andrew Mountcastle
1	1:45 - 3:00 PM	12	Paige Ahlholm	18	Effect of Collision Speed on Rate of Wing Wear in <i>Bombus impatiens</i> Bumblebees	Andrew Mountcastle
1	1:45 - 3:00 PM	13	Sunjay Pai	18	The Impact of Bumblebee Wing Flexibility on Body Torque in Response to Varied Collisions	Andrew Mountcastle
1	1:45 - 3:00 PM	14	Gift Kiti	18	A Classroom Snapshot: Characterization of Introductory STEM Courses at Bates	Lynn Mandeltort
1	1:45 - 3:00 PM	15	Kasey Wood	18	Elucidation of RNA Degradation Rates in the Causative Agent of Lyme disease, <i>Borrelia burgdorferi</i>	Paula Schlax
1	1:45 - 3:00 PM	16	Xiaomeng Wang	19	Imaging of RNA Localization in <i>B. burgdorferi</i>	Paula Schlax
1	1:45 - 3:00 PM	17	Emily Disler	18	The Imaging of RNA Localization in <i>E. coli</i> and <i>Borrelia burgdorferi</i> Cells	Paula Schlax

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1	1:45 - 3:00 PM	18	David Katzman	18	An Exploration of Bioinformatic Tools to Locate Transcription Start Sites in <i>Borrelia burgdorferi</i>	Paula Schlax
1	1:45 - 3:00 PM	19	Amelia Wilhelm	18	RNA Degradation in <i>Borrelia burgdorferi</i>	Paula Schlax
1	1:45 - 3:00 PM	20	Nate Frederick	19	RNA Aptamer Synthesis Targeting Tissue Plasminogen Activator	Paula Schlax
1	1:45 - 3:00 PM	21	Emily Bacon	18	mRNA Decay in <i>Borrelia burgdorferi</i>	Paula Schlax
1	1:45 - 3:00 PM	22	Brooke Benedict	18	Comparative Analysis of Chiral Solvating Agents for NMR Enantiomeric Differentiation of Amines	Thomas Wenzel
1	1:45 - 3:00 PM	22	Christopher Lietz	18	Comparative Analysis of Chiral Solvating Agents for NMR Enantiomeric Differentiation of Amines	Thomas Wenzel
1	1:45 - 3:00 PM	23	Michael Florentino	18	A Mortal God: How Augustus Motivated, Maneuvered, and Molded a Disunited Republic into an Empire	Hamish Cameron
1	1:45 - 3:00 PM	24	Avery Wolfe	18	Striving for Just Sustainability in Transit Systems: A Case Study of Complete Streets Policies in Lewiston, ME	Francis Eanes
1	1:45 - 3:00 PM	25	Matthew Goldberg	18	Numerical Solutions to Partial Differential Equations	Katharine Ott
1	1:45 - 3:00 PM	26	Christopher Dsida	18	Glomerular Analysis in the Human Olfactory Bulb	Travis Gould
1	1:45 - 3:00 PM	27	Halley Posner	18	Understanding Nuclear Politics	Jason Scheideman
1	1:45 - 3:00 PM	28	Courtney Sinclair	18	Gender Representations in Diverse Picture Books	Krista Aronson
1	1:45 - 3:00 PM	29	Kyle Schlueter	18	How Fidget Spinners Affect Attention: An Examination of Alerting, Orienting, and Executive Control	Todd Kahan
1	1:45 - 3:00 PM	30	Allison Dewey	18	Perceptions of Helping Behaviors at Bates College	Susan Langdon
1	1:45 - 3:00 PM	31	Zachary Magin	18	The Relationship Between Purpose in Life and Salivary Cortisol Reactivity to a Social Stressor	Georgia Nigro
1	1:45 - 3:00 PM	32	Daniel Sparks	18	The Effects of Restorative Justice on Adolescent Development in the State of Maine	Georgia Nigro
1	1:45 - 3:00 PM	33	Frank Williams	18	The Feeling of Power and How It Impacts Shooter Bias	Michael Sargent
1	1:45 - 3:00 PM	34	Avery Margerum	18	Why Bates Needs A Course On Anarchy	Dennis Browne
1	1:45 - 3:00 PM	35	Matthew Golden	20	A's B4 Bates/LMS	Emily Kane
1	1:45 - 3:00 PM	36	Hyewon Shin	18	Women in Business: The Experience of Asian American Women in the Tech Industry	Emily Kane
1	1:45 - 3:00 PM	37	Matt Glasgow	19	Reliability of Impedance in Diagnosing Gastroesophageal Reflux Disease	Heidi Taylor
1	3:15 - 4:30 PM	38	Kwamae Delva	18	Analysis of High Velocity Outflows in 14 Compact Starburst Galaxies with Absorption-Line Spectroscopy at High Spectral Resolution	Aleksander Diamond-Stanic
SESSION 2: 3:15 - 4:30 PM, Perry Atrium						

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Poster Session	Poster Session Time	Wall #	Student Name	GY	Poster Title	Poster Advisor
2	3:15 - 4:30 PM	1	Brielle Antonelli	18	Role of AMPA Glutamate Receptors in the Hypoxic Ventilatory Response (HVR) of Hyperoxia-reared Neonatal Rats	Ryan Bavis
2	3:15 - 4:30 PM	2	John Dello Russo	18	Establishing the Thermoneutral Zone of Neonatal Sprague-Dawley Rats	Ryan Bavis
2	3:15 - 4:30 PM	3	Peter Cottingham	18	Role of the GABA <sub>A</sub> and GABA <sub>B</sub> Receptors in the Hypoxic Ventilatory Response of Neonatal Rats	Ryan Bavis
2	3:15 - 4:30 PM	4	Ethan Benevides	18	Effects of Shipping Stress on Carotid Body Responses in Newborn Rats	Ryan Bavis
2	3:15 - 4:30 PM	5	Sally Ceesay	18	Hypoxic Ventilatory Response and Acclimatization	Ryan Bavis
2	3:15 - 4:30 PM	6	Melanie Mait	18	The Role of Nfe2 in the Development of the Inner Ear in Zebrafish	Larissa Williams
2	3:15 - 4:30 PM	7	Gwen Muscato	18	Use of Western Blotting and Chromatin Immunoprecipitation to Investigate Nfe2 Binding in Zebrafish (Danio rerio)	Larissa Williams
2	3:15 - 4:30 PM	8	Rachel Blaustein	18	Investigation of Zebrafish alas2 Gene and Its Role in Hypochromia Seen in Nfe2 Knockout Embryos	Larissa Williams
2	3:15 - 4:30 PM	9	Jason Boisvert	18	Role of Nfe2 and Related Factors in Mitigating Phthalate Toxicity	Larissa Williams
2	3:15 - 4:30 PM	10	Maria-Anna Chrysovergi	18	Population Genetics of the Bloodworm, Glycera dibranchiata, in the Gulf of Maine	Larissa Williams
2	3:15 - 4:30 PM	11	Alanis Carmona	18	Obesity Resistance via the Deletion of Laminin alpha-4 through Upregulation of UCP-1	Larissa Williams
2	3:15 - 4:30 PM	12	Kiana Keller	18	Regulation of Calcium Release by Inositol 1,4,5-Trisphosphate Receptor-binding Protein Released with Inositol 1,4,5-Trisphosphate (IRBIT) through Interaction with Inositol 1,4,5- Trisphosphate Receptors (IP3R)	Martin Kruse
2	3:15 - 4:30 PM	13	Rayne Whitten	18	Maxi-K Channels: Dependent on Phosphoinositides?	Martin Kruse
2	3:15 - 4:30 PM	14	Samuel Hersh	18	Investigation of Kinetics of Phosphoinositide Metabolism in tsA201- and HT22-Cells	Martin Kruse
2	3:15 - 4:30 PM	15	Haoyu Sun	19	Drug Discovery Research: TET1 Enzyme Inhibitor	Andrew Kennedy
2	3:15 - 4:30 PM	16	Andrea Boitnott	18	TET1 Mediated Hypermethylation of DNA Enhances Learning and Memory in a Mouse Model of Pitt-Hopkins Syndrome	Andrew Kennedy
2	3:15 - 4:30 PM	17	Joseph Alp	18	Designing TET Enzyme Inhibitors to Enhance Learning and Memory	Andrew Kennedy
2	3:15 - 4:30 PM	18	Gabriella Chua	18	Designing TET Enzyme Inhibitors to Enhance Learning and Memory	Andrew Kennedy
2	3:15 - 4:30 PM	18	Kelly Wassarman	18	Designing TET Enzyme Inhibitors to Enhance Learning and Memory	Andrew Kennedy

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2	3:15 - 4:30 PM	19	India Lissak	18	Neuroepigenetics: Targeting TET3 Inhibition as a Mechanism for Improving Memory in Patients with Alzheimer's Disease	Andrew Kennedy
2	3:15 - 4:30 PM	20	Caroline Gettens	18	Targeting TET2 to Enhance Cognition	Andrew Kennedy
2	3:15 - 4:30 PM	21	Caitlin Keady	18	Topics in Public Key Cryptography I	Adriana Salerno
2	3:15 - 4:30 PM	21	Samuel Rickerich	18	Topics in Public Key Cryptography I	Adriana Salerno
2	3:15 - 4:30 PM	22	Ethan Blitstein	18	Topics in Public Key Cryptography II	Adriana Salerno
2	3:15 - 4:30 PM	22	Julia Rosen	18	Topics in Public Key Cryptography II	Adriana Salerno
2	3:15 - 4:30 PM	23	Anirudh Nambiar	18	Topics in Public Key Cryptography III	Adriana Salerno
2	3:15 - 4:30 PM	23	Benjamin Wilson	18	Topics in Public Key Cryptography III	Adriana Salerno
2	3:15 - 4:30 PM	24	Gabriel Burton	18	Topics in Public Key Cryptography IV	Adriana Salerno
2	3:15 - 4:30 PM	24	Imad Rajwani	18	Topics in Public Key Cryptography IV	Adriana Salerno
2	3:15 - 4:30 PM	25	Clarke Jones	18	Topics in Public Key Cryptography V	Adriana Salerno
2	3:15 - 4:30 PM	25	Dylan Malone	18	Topics in Public Key Cryptography V	Adriana Salerno
2	3:15 - 4:30 PM	25	Gabriel McGinn	18	Topics in Public Key Cryptography V	Adriana Salerno
2	3:15 - 4:30 PM	26	Bridget Ruff	18	A History of Equation Solving from the Babylonians to Galois	Adriana Salerno
2	3:15 - 4:30 PM	27	Anna Kandel	18	Application of the Underlying Chemistry in PbTiO <sub>3</sub> for the Design of Lead-free Perovskites	Geneva Laurita
2	3:15 - 4:30 PM	28	Oriana Lo Cicero	20	Doping Studies of Brownmillerite Thermoelectric Materials	Geneva Laurita
2	3:15 - 4:30 PM	29	Meg Robinson	20	Bismuth-Based Transparent Conducting Metal Oxides	Geneva Laurita
2	3:15 - 4:30 PM	30	Ivette Partida	18	Isolation of in vitro Ubiquitylated Encephalomyocarditis Virus 3C Protease Conjugates	Glen Lawson
2	3:15 - 4:30 PM	30	Emma Zulch	18	Isolation of in vitro Ubiquitylated Encephalomyocarditis Virus 3C Protease Conjugates	Glen Lawson
2	3:15 - 4:30 PM	31	Raegine Clouden Mallett	18	Translation Efficiency of flaB from Borrelia burgdorferi: Effects of Change in Secondary Structure of mRNA Leader Region	Paula Schlax
2	3:15 - 4:30 PM	32	Rakiya Mohamed	18	A Comparative Analysis on Lead Detecting Instruments and Commercial Home Kits	Xiaqing Xu
2	3:15 - 4:30 PM	33	Sadie Mae Palmatier	18	The Community Rating System: Incentives for Building Climate Resilience	Lynne Lewis
2	3:15 - 4:30 PM	34	Caleb Stotz	18	Natural Gas Well Implementation on the Susquehanna River: A Hedonic Property Value Analysis	Lynne Lewis
2	3:15 - 4:30 PM	35	Samuel Lagerstrom	18	Witness Behavior: An Evaluation of Cues	Amy Douglass

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2	3:15 - 4:30 PM	36	Rachael Rosow	18	The Influence of the Framing Effect on Behavioral Intention to Download a Public Health App	Amy Douglass
2	4:45 - 6:00 PM	37	Hanna De Bruyn	18	Does Scene Category Information Persist after Backwards Masking?	Michelle Greene
SESSION 3: 4:45 - 6:00 PM, Perry Atrium						
3	4:45 - 6:00 PM	1	Kenyata Venson	18	The Effects of Cannabis on the Endogenous System in Glaucoma	Lee Abrahamsen
3	4:45 - 6:00 PM	2	Allen Schroeder	21	Positional Cloning of the Genetic Mutation and Histological Analysis of Femoral Nerve Axonal Degeneration in the NM4803 Mouse Mutant	Donald Dearborn
3	4:45 - 6:00 PM	3	Dylan Rasch	18	Synthesis of D-Apiose for Manufacturing and Researching Luteoside A, B, and C	Jennifer Koviach-Cote
3	4:45 - 6:00 PM	4	Caroline Andy	18	Fluorescent Spatial Probing of <i>B. burgdorferi</i> Transcriptome Organization	Jennifer Koviach-Cote
3	4:45 - 6:00 PM	5	Nicole Taikeff	18	The Unifying Mechanisms of Obesity and Type II Diabetes in Relation to Insulin Resistance	Glen Lawson
3	4:45 - 6:00 PM	6	Aria Sanders	18	A Literature-based Comparative Analysis of Triacylglycerides Present in Breast Milk and Infant Formula and their Contribution to Infant Metabolism	Glen Lawson
3	4:45 - 6:00 PM	7	INTENTIONALLY BLANK			
3	4:45 - 6:00 PM	8	Emma Schiller	18	An Investigation into the Effects of Electronic Healthcare Records in Improving Patient Outcomes in Hospitals in the United States	James Hughes
3	4:45 - 6:00 PM	9	Allison Berman	18	Using Shortridge Effectively to Benefit the Phippsburg Community: A Look at Experiential Outdoor Educational Models and a Proposal for a Summer Camp	William Wallace
3	4:45 - 6:00 PM	10	Dacota Griffin	18	The Relationship between Substrate Characteristics and Japanese Knotweed Invasion along the Saco River, ME and NH	Holly Ewing
3	4:45 - 6:00 PM	11	Hazel Cashman	18	The Postglacial Riverton Stage of Glacial Lake Israel: Important for the Occupants of the Israel River Complex?	J. Dykstra Eusden
3	4:45 - 6:00 PM	12	John Doyle	18	Eelgrass Carbon Storage in the Gulf of Maine	Beverly Johnson
3	4:45 - 6:00 PM	13	Hannah Slattery	18	Impervious Surface Cover: Impact on Sedimentation Rate and Dissolved Oxygen in the Hart Brook Watershed, Lewiston, ME	Beverly Johnson
3	4:45 - 6:00 PM	14	Sophia Thayer	18	Tourism as an Industry of Dispossession: Malaga Island and Wabanaki Presence along Maine's Coast	Joseph Hall

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Poster Session	Poster Session Time	Wall #	Student Name	GY	Poster Title	Poster Advisor
3	4:45 - 6:00 PM	15	Becca Ferguson	18	Understanding Youth Contributions to Indigenous Sovereignty and Climate Justice through an Analysis of the #noDAPL Movement	Joseph Hall
3	4:45 - 6:00 PM	16	Chialin Yu	18	Studying Smallpox Evolutions under the SIR Model	Meredith Greer
3	4:45 - 6:00 PM	17	Lindsey Beauregard	18	"Zonal" Molecular Organization of Olfactory Bulb Mitral Cell Layer Based on Gene Expression	Jason Castro
3	4:45 - 6:00 PM	18	Gillian Wilcox	18	Glomerular Structure and Extracellular Matrix Composition in the Human Olfactory Bulb	Jason Castro
3	4:45 - 6:00 PM	19	Henry Loeffler	18	Heterogeneity of Biophysical Properties within the Mitral Cell Layer of the Mouse Olfactory Bulb	Jason Castro
3	4:45 - 6:00 PM	20	Benjamin Roop	18	Computational Analysis of Genomic Patterning in the Brain	Jason Castro
3	4:45 - 6:00 PM	21	Julie Self	18	The Role of Diagnostic Objects in the Temporal Dynamics of Visual Scene Categorization	Michelle Greene
3	4:45 - 6:00 PM	22	INTENTIONALLY BLANK			
3	4:45 - 6:00 PM	23	Maria Maza San Vicente	18	Creative Cognition through Shared Mental Models	Michelle Greene
3	4:45 - 6:00 PM	24	Charles Lipscomb	18	Energetic Gaseous Outflows from Compact Starburst Galaxies	Aleksander Diamond-Stanic
3	4:45 - 6:00 PM	24	Senyo Ohene	20	Energetic Gaseous Outflows from Compact Starburst Galaxies	Aleksander Diamond-Stanic
3	4:45 - 6:00 PM	25	Chris Bradna	20	Automatic Selection of Galaxies with Signatures of Extraplanar Gas in the MaNGA Survey	Aleksander Diamond-Stanic
3	4:45 - 6:00 PM	25	Fahim Khan	20	Automatic Selection of Galaxies with Signatures of Extraplanar Gas in the MaNGA Survey	Aleksander Diamond-Stanic
3	4:45 - 6:00 PM	26	Mansib Tahsin Arko	21	Rohingya Exodus: The Impact on Bangladesh	Carla Abdo-Katsipis
3	4:45 - 6:00 PM	27	Stephen Rowe	18	Targeting Terrorist Leaders	William d'Ambruoso
3	4:45 - 6:00 PM	28	Emma Goff	18	Judicial Decision Making on the Supreme Court of the United States: A Case Study of Roe v. Wade	Stephen Engel
3	4:45 - 6:00 PM	29	Kiyona Mizuno	18	Mold-Making and Slip-Casting Ceramics	Susan Dewsnap
3	4:45 - 6:00 PM	30	Ariel Abonizio Soares	20	Being Here: Photographing the Body	Edward Harwood
3	4:45 - 6:00 PM	31	Ariel Abonizio Soares	20	Being Here: Photographing the Body	Edward Harwood
3	4:45 - 6:00 PM	32	Summer Peterson	18	Implicit Effects of Diminutive Gendered Language Usage	Michael Sargent
3	4:45 - 6:00 PM	33	Woods Fairchild	18	Examining Authentic Movement Conscious Dance as a Method for Increasing Mental Well-being among College Students	Alex Borgella

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Poster Session	Poster Session Time	Wall #	Student Name	GY	Poster Title	Poster Advisor
3	4:45 - 6:00 PM	34	Zhe Luo	18	A Strategy to Cope with Discrimination? A Study of East Asians Taking on English Names	Alex Borgella
3	4:45 - 6:00 PM	35	Sarah Panzer	18	Self-Compassion as Potential Moderator between Negative Social Comparison and Negative Self-Perception among Social Media Users	Helen Boucher
3	4:45 - 6:00 PM	36	Gwen Savino	18	Depth of Processing in Object Substitution Masking	Todd Kahan