

MOUNT DAVID POSTER SESSIONS, PERRY ATRIUM, by student name

Note: ECON 316 posters are presented during Session I (1:45 - 3 PM) in Pgill 257 -- See Talks and Panels Schedule

Session	Session Time	Wall #	Student Name	Title	Advisor
1	1:45 - 3 PM	18	Sarah Abbott '22	Luteoside B: A Synthetic Route to a Plant-derived Potential Therapeutic for RSV	Jennifer Koviach-Cote, Chemistry and Biochemistry
1	1:45 - 3 PM	16	Sean Agrodnia '22	The Antibacterial Properties of Phenylpropanoid Glycosides	Jennifer Koviach-Cote, Chemistry and Biochemistry
1	1:45 - 3 PM	36	Eliana Al-Konsul '22	Race, Sexism, and System Justification: Analyzing Potential Differences of System Justification Prevalence between Black and White Women	Michael Sargent, Psychology
1	1:45 - 3 PM	35	Jamari Amrham '22	Where's the Humanity? Social Dominance Orientation as a Predictor for Dehumanizing Black Faces	Michael Sargent, Psychology
1	1:45 - 3 PM	10	Loren Andrews '22	Stability Analysis of Manganese-Oxide Cathode Materials for Sodium Ion Batteries	Geneva Laurita, Chemistry and Biochemistry
1	1:45 - 3 PM	13	Owen Bailey '22	Compositional Control of Local and Long-Range Polarity in the Frustrated Pyrochlore System $\text{Bi}_{2-x}\text{RE}_x\text{Ti}_2\text{O}_7$ (RE = Y, Ho)	Geneva Laurita, Chemistry and Biochemistry
3	4:45 - 6 PM	31	Grace Beaudet '22	Recess and Developmental Play-based Interventions for Elementary Students	Su Langdon, Psychology
3	4:45 - 6 PM	9	Camden Bibro '22	Brain Hemispheric Asymmetries and the Roots of Creativity Ability	Nancy Koven, Neuroscience
2	3:15 - 4:30 PM	4	Aaliyah Black '22	A Medical Literature Review on the Chronic Health Disparities and Stress among Black Women as Observed through the Lens of Cardiovascular Disease, Obesity, Prenatal Care, and Cancer	April Hill, Biology
3	4:45 - 6 PM	22	Caleb Bolden '22	Isolated Social Media Use, Anxiety, and Depression during COVID-19	Michael Buccigrossi, Psychology
3	4:45 - 6 PM	32	Andrew Botelho '22	The Impacts of the Coronavirus Pandemic on Team Cohesion among Bates College Athletes and Possible Solutions to These Impacts	Su Langdon, Psychology
1	1:45 - 3 PM	5	Katie Carrier '22	The Impact of Small Molecule Ratios on the Gene Regulation and Pathogenesis of <i>Staphylococcus</i>	Colleen O'Loughlin, Chemistry and Biochemistry

Session	Session Time	Wall #	Student Name	Title	Advisor
2	3:15 - 4:30 PM	29	Parker Caswell '22	Methane Emissions, Carbon Sequestration, and Groundwater Hydrology along the Freshwater Margin of the Sprague River Salt Marsh	Beverly Johnson, Earth and Climate Sciences
2	3:15 - 4:30 PM	5	Elene Chamberlin '22	Characterizing the Gulf of Maine Rocky Intertidal Using NeCSA Protocol	Katie Dobkowski, Biology
2	3:15 - 4:30 PM	30	Rex Chen '22	Transport Dynamics of Road Salt and Its Impacts on the Water Quality of the Impaired Hart Brook Watershed, Lewiston, Maine	Beverly Johnson, Earth and Climate Sciences
3	4:45 - 6 PM	2	Emma Christman '22	Holocene Climate Clam-ity: <i>Arctica islandica</i> as Proxies for Environmental Change during the Early Holocene in Svalbard	Michael Retelle, Earth and Climate Sciences
2	3:15 - 4:30 PM	11	Yueh Chuah '22	Regulation of Ca ²⁺ Signaling by IRBIT through Binding of Inositol 1,4,5-trisphosphate Receptor	Martin Kruse, Biology and Neuroscience
1	1:45 - 3 PM	7	Sam Colesworthy '22	Role of Pyrazinones on <i>S. epidermidis</i> Growth and Biofilm Production at Naturally Occurring Ratios	Colleen O'Loughlin, Chemistry and Biochemistry
2	3:15 - 4:30 PM	9	Charlotte Collins '22	The Effects of Wing Flexibility on Lateral Flight Performance in Bumblebees	Andrew Mountcastle, Biology
1	1:45 - 3 PM	33	Ben Conner '22	The Effects of the COVID-19 Pandemic on the Need for Therapists of Matching Race among Students Attendong College	Jennifer LaCosse, Psychology
2	3:15 - 4:30 PM	8	Etti Cooper '22	Critical Thermal Maxima and Plasticity in Metabolic Rates: A Comparison of Two Ant Species	Ryan Bavis, Biology
3	4:45 - 6 PM	36	Ari Dalia '22	The Effects of Social Media on Young Adult's Perception of Body Image during the COVID-19 Pandemic	Su Langdon, Psychology
1	1:45 - 3 PM	38	Gilley Davis-Oakes '22	Recovery-Friendly Workplaces: An Analysis of Current Employers, Employees, and Local Service Providers	Su Langdon, Psychology
2	3:15 - 4:30 PM	36	Milly Detels '22	Effects of Optical Feedback on a High Powered Vertical Cavity Surface Emitting Laser	Hong Lin, Physics
3	4:45 - 6 PM	37	Taylor Dionne '22	Anxiety Disorder-related TikTok Videos: A New Generation Z Mental Health Activity?	Susan Mangan, Psychology
1	1:45 - 3 PM	24	Christopher Draper '22	Moral Reasoning Style in Subclinical PTSD	Nancy Koven, Neuroscience

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2	3:15 - 4:30 PM	6	Emily Duffy '22	Characterizing the Functional Importance of NSP4 Positions 77 and 78	Lori Banks, Biology
2	3:15 - 4:30 PM	17	Chris Dye '22	Plasmonic Effects on Nonlinear Optical Responses and Tip Enhanced Raman Spectroscopy	Matthew Cote, Chemistry and Biochemistry
3	4:45 - 6 PM	14	Kieran Edmonds '22	Using Optical Spectroscopy to Measure Recent Star Formation Rates for Compact Starburst Galaxies with Fast Outflows	Aleksander Diamond-Stanic, Physics
2	3:15 - 4:30 PM	13	Abhi Elayidom '22	The Role of Phosphoinositide Metabolism in the Regulation of Neuronal Activity	Martin Kruse, Biology and Neuroscience
3	4:45 - 6 PM	20	Tara Ellard '22	The Stability of Meaning in Life Evaluations: The Relationship Between COVID-19 Pandemic Related-Stress and Meaning in Life	Helen Boucher, Psychology
3	4:45 - 6 PM	8	Liam Evans '22	Dark Personality and the "Evil Genius": Relations among the Dark Tetrad Traits, Intelligence, Executive Function, Social Cognition, and Theory of Mind	Nancy Koven, Neuroscience
1	1:45 - 3 PM	37	Xavier Fallone '22	Dancing on the Precipice: How People Reason about Threshold Problems in a Socially-Rich Real World Context	Michael Sargent, Psychology
2	3:15 - 4:30 PM	14	Hadia Fatima '22	Phosphoinositide Metabolism in Neurons	Martin Kruse, Biology and Neuroscience
1	1:45 - 3 PM	15	Katherine Faulkner '22	Traditional Medicine as a Legitimate Form of Treatment in Ghana: A Biochemical Analysis of Plant-based Treatment	Glen Lawson, Chemistry and Biochemistry
3	4:45 - 6 PM	35	Julia Feist '22	Cats '22: An Impact Assessment of the Foster Cat Program at Auburn Public Library	Su Langdon, Psychology
2	3:15 - 4:30 PM	6	Maddie Feldmeier '22	Characterizing the Functional Importance of NSP4 Positions 77 and 78	Lori Banks, Biology
3	4:45 - 6 PM	38	Alexa Flores '22	Healing as a Binational People: The Yaqui Separated by an Arbitrary Political Border	Yunkyoung Garrison, Psychology
2	3:15 - 4:30 PM	22	Max Freund '22	Ski and Surf Film: Fantasy vs. Realistic Paradigms	Tyler Harper, Environmental Studies
1	1:45 - 3 PM	41	Elysia Garza '22	Exploring the Relationship among Cultural Values, Intergenerational Trauma, and Mexican Americans' Experience and Communication of Emotions	Todd Kahan, Psychology

Session	Session Time	Wall #	Student Name	Title	Advisor
2	3:15 - 4:30 PM	33	Ceci Gichner '22	Quantifying Crevasse, Deformation, and Damage, on the Vaughan Lewis Icefall, Juneau, Alaska	Michael Retelle, Earth and Climate Sciences
1	1:45 - 3 PM	40	Darby Glenn '22	Incorporating Cultural Humility and Trauma-Informed Care Practices into Community-based Programming	Su Langdon, Psychology
1	1:45 - 3 PM	8	Anna Gouveia '22	<i>Staphylococcus epidermidis</i> Growth Response to Terpene Molecules	Colleen O'Loughlin, Chemistry and Biochemistry
1	1:45 - 3 PM	3	Andrew Hall '22	Effect of Chronic Bobcat339 Treatment on Memory and Cognition in Wild-type and Pitt-Hopkins Syndrome Model Mice	Andrew Kennedy, Chemistry and Biochemistry
2	3:15 - 4:30 PM	5	Henry Hardy '22	Characterizing the Gulf of Maine Rocky Intertidal Using NeCSA Protocol	Katie Dobkowski, Biology
2	3:15 - 4:30 PM	7	Ossie Heard '22	Developing New Antiviral Agents	Lori Banks, Biology
3	4:45 - 6 PM	3	Dewi Henry '22	Marine Climate Reconstruction from Early Holocene <i>Arctica islandica</i> from Erdmannflya Peninsula, Svalbard	Michael Retelle, Earth and Climate Sciences
1	1:45 - 3 PM	19	Aidan Hill '22	Synthesis and Biological Evaluation of Phenylethanoid Glycosides	Jennifer Koviach-Cote, Chemistry and Biochemistry
1	1:45 - 3 PM	2	Grace Hoehl '22	Targeting the Tet Enzymes to Enhance Cognition	Andrew Kennedy, Chemistry and Biochemistry
3	4:45 - 6 PM	7	Neeshi Hullavarad '22	Mapping the Uncanny Valley in Relationship to the Dark Triad	Nancy Koven, Neuroscience
2	3:15 - 4:30 PM	36	Clay Hundertmark '22	Effects of Optical Feedback on a High Powered Vertical Cavity Surface Emitting Laser	Hong Lin, Physics
1	1:45 - 3 PM	32	Sebastian Jalowayski '22	The Adoption of Conspiracy Theories: An Examination of Motivations and Circumstances	Amy Douglass, Psychology
3	4:45 - 6 PM	30	Ky Jenkins '22	Character Creation and Representation in Video Games	Michael Sargent, Psychology
1	1:45 - 3 PM	6	Julie Jesurum '22	Transitioning from Commensal to Pathogen: Investigating Gene Expression Changes in <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i>	Colleen O'Loughlin, Chemistry and Biochemistry

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3	4:45 - 6 PM	12	Jack Johnson '22	How Processing Biases Manifests in the Social Skills of Broad Autism Phenotype Individuals	Nancy Koven, Neuroscience
1	1:45 - 3 PM	11	Crawford Jones '23	Synthesizing Superconductors	Geneva Laurita, Chemistry and Biochemistry
3	4:45 - 6 PM	13	Tasha Jones '22	Quantifying the Uncertainty of Infrared-based Star-Formation Rates for Compact Starburst Galaxies	Aleksander Diamond-Stanic, Physics
1	1:45 - 3 PM	9	Kyle Jorgensen '22	Characterizing Polarity in Lead-Free Perovskite and Pyrochlore Materials	Geneva Laurita, Chemistry and Biochemistry
1	1:45 - 3 PM	39	Amanda Kaufman '22	A Community-Engaged Exploration of the Impact of Sports amongs Women and Girls in Maine	Su Langdon, Psychology
2	3:15 - 4:30 PM	18	Casey Kelemen '22	mRNA Localization in Lyme Disease	Paula Schlax, Chemistry and Biochemistry
2	3:15 - 4:30 PM	20	Aisling Kelly '22	Investigating the effects of the RNA-binding protein SpoVg in the transmission of <i>Borrelia burgdorferi</i> from tick to vertebrate	Paula Schlax, Chemistry and Biochemistry
3	4:45 - 6 PM	28	Michelle Kim '22	Women, Age, and Race: Engaging in Different Presentations of Femininity of the Self on Social Media	Michael Sargent, Psychology
1	1:45 - 3 PM	25	Lily Kinder '22	Motivation and Guilt Associated with Subclinical OCD in Athletes	Nancy Koven, Neuroscience
2	3:15 - 4:30 PM	23	Claire Kissane '22	Critical Theory and Identity through Clothing in French Film	Kirk Read, French and Francophone Studies
2	3:15 - 4:30 PM	3	Hark Lally '22	The Role of TPK-LYN and TRAP5 in <i>Ephydatia muelleri</i> / <i>Chlorella</i> Symbioses	April Hill, Biology
2	3:15 - 4:30 PM	25	Max Lauster '22	The Impacts of Two Olympics on the Cityscape and Environment of Tokyo	Keiko Konoeda, Japanese
2	3:15 - 4:30 PM	21	Charlie Lewis '22	Localization of mRNA in <i>E. Coli</i> Using a Light-up RNA Aptamer	Paula Schlax, Chemistry and Biochemistry
2	3:15 - 4:30 PM	35	Hongke Lu '24	Measuring Galaxy Outflow Properties by Stacking Spectra from the Sloan Digital Sky Survey	Aleksander Diamond-Stanic, Physics

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2	3:15 - 4:30 PM	19	Erik Malm '22	Regulation of Gene Expression in <i>Borrelia burgdorferi</i> , the Lyme Disease Spirochete	Paula Schlax, Chemistry and Biochemistry
1	1:45 - 3 PM	17	Fia Marota '22	Pyrazinone Analogs and Their Effect on <i>Staphylococcus epidermidis</i> Biofilms	Jennifer Koviach-Cote, Chemistry and Biochemistry
2	3:15 - 4:30 PM	26	Essie Martin '22	Investigation of <i>Laminaria saccharina</i> B ural below Damariscotta River Seaweed Farms Using eDNA and Stable Isotopes	Beverly Johnson, Earth and Climate Sciences
3	4:45 - 6 PM	26	Sophie Matt '22	Unicorns at Stake: Gender and Racial Bias in Venture Capital Investing	Michael Sargent, Psychology
2	3:15 - 4:30 PM	32	Maya McDonough '22	Holocene Marine Climate Reconstruction through $\delta^{18}\text{O}$ Isotopes of the Bivalve <i>Serrripes groenlandicus</i>	Michael Retelle, Earth and Climate Sciences
3	4:45 - 6 PM	33	Susanne McGrady '22	Let's Talk About Sex: The Potential of School-Led Sexual Health Workshops for Parents	Su Langdon, Psychology
1	1:45 - 3 PM	30	Thomas Monahan '22	Machine Learning Methods for Bose-Einstein Condensate Generation Optimization	Nathan Lundblad, Physics
2	3:15 - 4:30 PM	1	Hayley Neighmond '22	Genomic Analysis of the Stem Cell Regulatory Pathway in a Early Branching Animal	April Hill, Biology
1	1:45 - 3 PM	28	Owen Neuman '22	Computational Modelling and Atomic Physics	Nathan Lundblad, Physics
2	3:15 - 4:30 PM	28	Meg O'Brien '22	Spatial Elevation Dynamics and Carbon Sequestration Variability Within Sprague Marsh, Phippsburg, Maine	Beverly Johnson, Earth and Climate Sciences
3	4:45 - 6 PM	16	Molly O'Brien '22	Are Self-Esteem and Attention to Environment Related to Perceived Social Pressure around Eating at Bates College?	Amy Douglass, Psychology
3	4:45 - 6 PM	21	Sevigne Pak '22	The Culture of Silence Within Asian American Communities: Factors that Contribute and Psychological Impact	Martin Kruse, Biology and Neuroscience
2	3:15 - 4:30 PM	16	Seren Parikh '22	Applications of Simulating a Tightly Focused Electric Field in Studying Nonlinear Optics	Matthew Cote, Chemistry and Biochemistry
3	4:45 - 6 PM	10	Alexia Perugini '22	Executive Function, Social Cognition, and Vulnerability to Targeting by the Dark Tetrad	Nancy Koven, Neuroscience

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1	1:45 - 3 PM	1	James Peter '22	Visualizing the DNA Methylation Landscape on Memory Genes	Andrew Kennedy, Chemistry and Biochemistry
2	3:15 - 4:30 PM	10	Sydney Phillips '22	The Development of an Erythrocyte-Specific TRAP Transgenic Zebrafish Line	Larissa Williams, Biology
1	1:45 - 3 PM	23	Danielle Polirer '22	Neuropsychological Mediators of Moral Rigidity in Subclinical OCD	Nancy Koven, Neuroscience
2	3:15 - 4:30 PM	6	Clara Porter '22	Characterizing the Functional Importance of NSP4 Positions 77 and 78	Lori Banks, Biology
2	3:15 - 4:30 PM	2	Abby Quinn '22	Developmental Abnormalities of Freshwater Sponges Grown in BPS	April Hill, Biology
2	3:15 - 4:30 PM	31	Zane Rahabi '22	Geochemistry of Three Distinct Lewiston Quadrangle Pegmatites	Eshita Samajpati, Earth and Climate Sciences
1	1:45 - 3 PM	22	Pierson Rambusch '22	The Dark Tetrad: Exploring Executive Function, Fluid Intelligence, and Social Cognition in Everyday Sadists	Nancy Koven, Neuroscience
3	4:45 - 6 PM	29	Erick Ramos '22	Can the Number of Parents Present Predict Interdependence and Independence? Family Structure and the Self-Construals of the Child	Michael Sargent, Psychology
2	3:15 - 4:30 PM	12	Anna Reaman '22	Regulation of Phosphoinositide Metabolism in HEK293-PITPNA and HEK293-PIP5K1C Knockout Cells	Martin Kruse, Biology and Neuroscience
3	4:45 - 6 PM	5	Jake Ressel '22	Assessing the Suitability of Seed Mix Conservation Strategies for Pollinators in the Northeast	Carla Essenberg, Biology
1	1:45 - 3 PM	20	Nicholas Reznik '22	Pzn Gene Products and Their Role in Stabilizing Staphylococcal Biofilms	Jennifer Koviach-Cote, Chemistry and Biochemistry
3	4:45 - 6 PM	34	Tara Rodic '22	Can Body-Focused Gratitude Intervention Reduce the Negative Effect of Viewing the "Ideal" Bodies on Social Media?	Su Langdon, Psychology
3	4:45 - 6 PM	19	Fernando Rojas '22	Legacy of Colorism: Skin Tone's Impacts on African American Men's Racial Identity and Relationship with Liberatory Practices	Helen Boucher, Psychology
1	1:45 - 3 PM	34	Mia Roy '22	Studying the Effect of Practicing Mindfulness on Productivity during Study Breaks in College Students	Kate Snyder, Psychology

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3	4:45 - 6 PM	4	Evan Saltman '22	A Structural Analysis of the Plumbago Mountain Fault, Pluton, and Associated Pegmatites	Sherya Arora, Earth and Climate Sciences
2	3:15 - 4:30 PM	23	Stella Santucci '22	Critical Theory and Identity through Clothing in French Film	Kirk Read, French and Francophone Studies
3	4:45 - 6 PM	1	Ben Schmandt '22	Impacts of Triphenyl Phosphate on the Development and Gene Expression of Larval Zebrafish	Larissa Williams, Biology
3	4:45 - 6 PM	24	Margy Schueler '22	Predicting Social Mobility: The Relationship Between Social Dominance Orientation and Estimates of Future Mobility among Racial Groups	Michael Sargent, Psychology
2	3:15 - 4:30 PM	34	Luke Sedor Protti '22	Soil Erosion Rates on Moraine Hillslopes of the Mendenhall Glacier in Southeast Alaska	Raquel de Castro Portes, Earth and Climate Sciences
1	1:45 - 3 PM	29	Steve Shea '22	Magnetic Trapping of Rubidium en route to Bose-Einstein Condensate Formation	Nathan Lundblad, Physics
2	3:15 - 4:30 PM	9	Julia Slayne '22	The Effects of Wing Flexibility on Lateral Flight Performance in Bumblebees	Andrew Mountcastle, Biology
1	1:45 - 3 PM	4	Elektra Smicka '22	Restoration of Tcf4 in Adult Pitt-Hopkins Mice Through Gene Reinstatement Therapy	Andrew Kennedy, Chemistry and Biochemistry
1	1:45 - 3 PM	27	Sobie Sobolewski '22	Investigating How the BAP Impacts Long-Term Memory and Global/Local Processing	Nancy Koven, Neuroscience
1	1:45 - 3 PM	21	Steven Sparks '22	Synthesis of Linderofrucoside A and Orthoester Used in Glycosylation	Jennifer Koviach-Cote, Chemistry and Biochemistry
3	4:45 - 6 PM	23	Quinn Squiers '22	Anti-Blackness in the Face of Economic Downturns: The Effects of Inflation on Intergroup Relations	Michael Sargent, Psychology
2	3:15 - 4:30 PM	15	Alex Stigall '22	Evaluating the Growth Dynamics of <i>Corynebacterium accolens</i> and <i>Corynebacterium striatum</i> in Varying Environments and Hydrocarbon Sources for Their Potential Use in Oil Spill Bioremediation	Colleen O'Loughlin, Chemistry and Biochemistry
3	4:45 - 6 PM	11	Riley Strathmann '22	Subclinical Pathology and Creative Ability	Nancy Koven, Neuroscience
3	4:45 - 6 PM	25	Yoyo Tang '22	Maximization on Infidelity and Happiness in Romantic Relationships: Do Maximizers Cheat More and Feel Less Happy (than Satisficers) When in Love?	Michael Sargent, Psychology

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3	4:45 - 6 PM	39	Riley Theriault '22	Observing the Role of Diagnosis on the Relationship with Religion in Catholic People with Mental Health Diagnoses	Yunkyoung Garrison, Psychology
1	1:45 - 3 PM	12	Ian Tolis '22	Dielectric Properties and Characterization of Bone Material	Geneva Laurita, Chemistry and Biochemistry
2	3:15 - 4:30 PM	27	Emily Torkelsen '22	A Comparison of Carbon Sequestration and Vegetation History in Two Maine Salt Marshes	Beverly Johnson, Earth and Climate Sciences
3	4:45 - 6 PM	18	Kayta Tsemo '22	Dialectical Behavioral Therapy in Self-harming Adolescents	Amy Douglass, Psychology
3	4:45 - 6 PM	15	Chidubem Umeh '22	Exploring the Relationship between Stellar Mass, Star Formation Rate, and Gas Outflow Velocity in a Large Sample of Galaxies	Aleksander Diamond-Stanic, Physics
3	4:45 - 6 PM	27	Sean Vaz '22	How Does the Strength of an Individual's In-Group Identification Moderate their Perceptions of Black Women Athletes in Mainstream Media?	Michael Sargent, Psychology
3	4:45 - 6 PM	17	Amelia Waite '22	No Such Thing as a Typical Serial Killer: Theoretical Integration and Review of Psychological Literature	Amy Douglass, Psychology
2	3:15 - 4:30 PM	7	Alex Weissman '22	Developing New Antiviral Agents	Lori Banks, Biology
1	1:45 - 3 PM	31	Jake Winter '22	Fluorescence Correlation Spectroscopy of Gold Nanospheres	Travis Gould, Physics
1	1:45 - 3 PM	14	Yilun Wu '22	The Association between Change in Glycosylation Patterns Due to Mutations among SARS-CoV-2 Variants and Transmissibility	Glen Lawson, Chemistry and Biochemistry
1	1:45 3 PM	26	Dessy Yang '22	Addiction-related Phenotypes as Predictors of Body-focused Repetitive Behaviors	Nancy Koven, Neuroscience
1	1:45 - 3 PM	42	Alix Zabin '22	Does Socioeconomic Status Affect One's Experience of Awe? Awe in Nature and the Small Self	Helen Boucher, Psychology