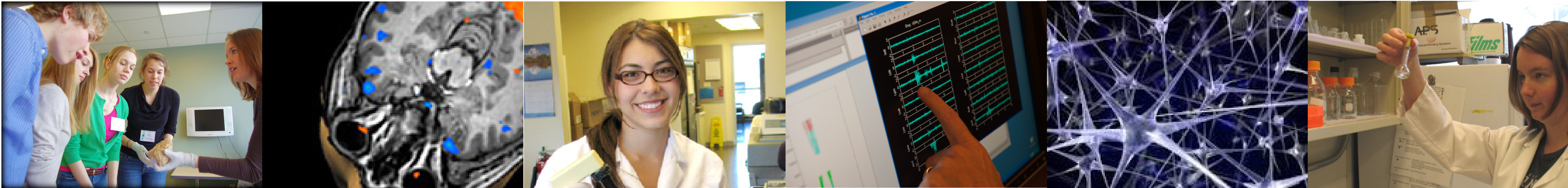


Neuroscience, Behavior and Health



UVM Transdisciplinary Research Initiative
“Spires of Excellence”
The University of Vermont

The Neuroscience, Behavior, and Health (NBH) Initiative focuses on understanding the development and fundamental basis of human behaviors that are linked to health and disease - a research challenge that spans fields from molecular biology and genetics to behavior, rehabilitation, and education. Research in NBH is directed towards studying preventable diseases and disabilities, informing policies, and strategic investments that create healthier communities and decrease costs of treatment and mitigation.



Student	Title	Advisor	Presentation Location
Claudia Abbiati	Assessing the Validity of a Direct Measure of Attitudes of Preschoolers Who Stutter	Barry Guitar	Oral: Frank Livak, 3:00
Ben Albertson	The Effect of Exercise Intensity On the Durability of Exercise-Induced Changes in Mood	Jeremy Sibold	Poster: 12, Afternoon
Nicholas Allgaier	Reverse Engineering the Human Brain	Christopher Danforth	Oral: Frank Livak, 11:00
Pedro Alvarez-Ortiz	Expression and Function of Glutactin in Drosophila Larvae and Adults	Jim Vigoreaux	Poster: 14, Morning
Meghan Arpino	Lead and Phthalates: Parental Awareness and Environmental Health Resources	Charles Hulse	Poster: 45, Morning
Joshua Auerbach	On the Relationship Between Environmental and Morphological Complexity in Evolved Robots	Joshua Bongard	Poster: 30, Afternoon
Ariel Baily	Face-name Recognition: A brain fMRI study	Julie Dumas	Oral: Mildred Livak, 3:45
Emily Bates	The Influence of the Human Gut Microbiome on Crohn's Disease	Indra Sarkar	Poster: 78, Afternoon
Gussie Belisle	Evaluation of the Number of Iterations Needed for Convergence with Astonish Reconstruction	Kenneth Allen	Poster: 78, Morning
Dylan Bellavance	Obese, Pre-pubertal Children Display Significant Health Risk Factors According to Adult Metabolic Disease Risk Standards	Connie Tompkins	Poster: 48, Morning
Nathan Belz	Ridesharing and the Journey to Work in Vermont: Modeling Composition of Vehicle Occupancy using the 2009 National Household Travel Survey	Lisa Aultman-Hall	Oral: Mildred Livak, 1:00
David Bernstein	Decision Support Tool for Mechanical Ventilation Based on Fuzzy Logic	Jason Bates	Poster: 71, Afternoon
Stefan Boas	DTI as a diagnostic tool for mTBI	Kalev Freeman	Poster: 16, Morning
Sam Brown	Attribute Prediction from Messages by Analysis of Nonverbal Characteristics	Robert Snapp	Poster: 35, Afternoon
Brittany Carroll	Amifostine Alleviates Cyclophosphamide Induced Taste Deficits	Eugene Delay	Poster: 5, Afternoon
Shane Celis	Measuring Transferability in Simulated Robotics	Joshua Bongard	Poster: 32, Afternoon
Leah Cipri	Tobacco Cessation Intervention Among Emergency Department Patients	Kalev Freeman	Poster: 84, Morning
Benjamin Coleman	Social Validity of using Comic Strip Conversations and Social Stories to target core deficits in children with Autism Spectrum Disorder	Tiffany Hutchins	Poster: 31, Morning
Payal Desai	Child vs Parent Perception of HRQOL in Healthy Weight and Obese Children	Connie Tompkins	Poster: 53, Afternoon
Peter Doubleday	Comparative Phosphoproteomic Analysis of Neonatal and Adult Murine Brain	Bryan Ballif	Poster: 13, Afternoon
Kelsey Duquette	Endothelial Health and Vaginal Vasocongestion	Alessandra Rellini	Oral: Frank Livak, 9:15
Katherine Ekstrom	The Effects of Text Genre on the Intensity and Localization of Cortical Activation in Normal Adult Brains	Michael Cannizzaro	Poster: 29, Morning
Chelsea Emond	Psychological Control and Responses to Stress in Emerging Adulthood	Jamie Abaied	Poster: 89, Morning
Tera Fazzino	Daily Craving Reports from Drinkers Not in Treatment	Gail Rose	Oral: Mildred Livak, 3:30
Claire Freson	Improving Exercise Adherence Through Online Journaling Following Physical Therapy Treatment for Chronic Low Back Pain	Sharon Henry	Poster: 49, Morning
Pierre Galea	Identifying and Quantifying Volatile Fear Response in Humans	Jane Hill	Oral: Mildred Livak, 3:00
Sarah Gillett	An Approach for Defining Cognitive Decline in Epidemiologic Studies	Mary Cushman	Poster: 28, Morning
Talia Glesner	Kids-A-Part: A Realistic Evaluation of a Program for Children of Incarcerated Parents	Herman Meyers	Poster: 42, Morning
Brianna Goddard	Subjective Well-Being Predictors in the College to Career Transition	Keith Burt	Poster: 91, Morning
Amy Goodnough	Explaining an exception: Generating Hungarian verbal affix order	Emily Manetta	Oral: Williams, 9:15
Kristen Hardgrove	The effects of socioeconomic status on the use of aggression in males	Dianna Close	Poster: 86, Morning
Peter Helm	Shared Subjective Experience as a Catalyst for Prosocial Harmony: Study on Quieting the Ego	Elizabeth Pinel	Poster: 88, Morning
Alexander Hilshey	An Activity-Based Travel-Demand Modeling Approach to Estimating Electric Vehicle Charging Load	Paul Hines	Oral: Chittenden, 2:45
Anna Hilton	Cuban Revolutionary Healthcare	Benjamin Eastman	Poster: 3, Afternoon
Ilknur Icke	Active Learning Based fMRI Study Design	Joshua Bongard	Poster: 34, Afternoon
Kiara Irick	The relative contribution of Peer Versus Parent Attachment in Emerging Adulthood	Jamie Abaied	Poster: 95, Afternoon
Ashley Jones	Does insecticidal spraying impact parasite prevalence in Chagas disease vectors?	Lori Stevens	Oral: Jost, 4:15
Joanne Kalisz	“Teen-ageism”: Adolescents' Internalization, Acceptance, and Behavioral Confirmation of Stereotypes About Teens	Carol Miller	Oral: Mildred Livak, 4:00
Max Kravitz	The Effects of Nicotine on the Development of Retinal Ganglion Cells in the Chick Retina	Rae Nishi	Poster: 19, Morning
Kristen Leclerc	Relationship Among Physical Activity, Balance, Stress, and Coping in Adults with Multiple Sclerosis	Susan Kasser	Oral: Jost, 8:30
Katherine Leugers	Incorporation of a Skills-Based PA Curriculum in a High School Health Class	Connie Tompkins	Poster: 59, Afternoon
Caleb Liberman	The Effects of Traumatic Brain Injury on Bladder Function	Katarina Zvarova	Poster: 17, Morning
Qiong Liu	Examining spatial autocorrelation for obesity in Northern New England	Brian Lee	Oral: Jost, 12:45
Kali Lockerby	Daily Alcohol Use And Relationship Harmony Reports Among Drinkers Not In Treatment	Gail Rose	Poster: 85, Morning
Chelsea McShane	Differences in Mental State Talk Between Mothers and their Typical Developing Children vs. Mothers and their Children with Autism Spectrum Disorder	Tiffany Hutchins	Poster: 32, Morning
Richard Nam	Intra-household Vehicle Allocation and Transportation System Efficiency	Brian Lee	Oral: Jost, 1:00
Frederick Naumann	Volatile Testing for Rapid Diagnosis of Tuberculosis	Jane Hill	Oral: Frank Livak, 8:00
Elysia Nelson	A Social Capital Basis for Environmental Concern: Evidence from Northern New England	Thomas Macias	Poster: 81, Afternoon
Marley Nordmeyer	The Expression of Mental State Terms: A Comparison of Children with ASD and Typically Developing Children Engaged in Play	Patricia Prelock	Poster: 30, Morning
Elyse Ogletree	The Impact of Sibling Relationships on the Socialization of Relationally Aggressive Behaviors in Emerging Adults	Dianna Close	Poster: 87, Morning
Shreoshi Pal Choudhuri	Receptors and Signal Transduction Pathways for L-Amino Acids	Eugene Delay	Poster: 12, Morning
Joshua Pothén	An Agent-Based Model Of Allergic Airway Inflammation	Jason Bates	Poster: 9, Afternoon
Miranda Redmond	Identification and Characterization of a Novel Cooperative Activity between the Proto-oncogenic SFKs and Crk/CrkL Signaling Protein Families	Bryan Ballif	Poster: 93, Afternoon
Katharine Rifken	The Effects of Exercise on a Set-Shift Task in Female Ovariectomized and non-Ovariectomized Rats	John Green	Poster: 90, Morning
Gain Robinson	The Effect of Secretin on Extinction of Eyeblink Conditioning	John Green	Poster: 74, Morning
Geoffrey Schaubhut	Regulation of Impulsive Circuitry: Function of Emotional Faces	Alexandra Potter	Poster: 73, Morning
Phoebe Spencer	Bicycle Commuting in Vermont: Environmental, Social, and Physical Challenges in a Northern Climate	Richard Watts	Poster: 29, Afternoon
Lauren Stackhouse	Using fNIR to explore prefrontal cortical activation across different levels of discourse structure	Michael Cannizzaro	Poster: 75, Morning
Chan Stevens	Resistance Modeling in Bolivian Triatomine Bugs: An Evaluation of Methods	Lori Stevens	Poster: 44, Afternoon
Tessera Strand	Kinetic Assay Analysis of Single-Point Mutation of Histidine tRNA Synthetase Escherichia coli Enzyme Equivalent of Human HARS Mutation	Christopher Francklyn	Poster: 6, Morning
Alexander Temple	Hypoxia Effects on MKP-1 Production	Karen Lounsbury	Poster: 7, Afternoon
Tamar Walker	Self Care, Family-Based Caregiving, and Community Care-Seeking Behavior Among Elderly Chinese in Canada	Jeanne Shea	Poster: 83, Morning
Marion Weir	Identification and Characterization of a Novel, Isoform-Specific Phosphorylation Site of Collapsin Response Mediator Protein 1	Bryan Ballif	Poster: 14, Afternoon
Samantha Westbrook	Examining the effects of limiting web size on mass accumulation in Nephila clavipes.	Linden Higgins	Poster: 10, Afternoon
Hannah Wilder	Obese 3rd-5th graders Report Significantly Lower Levels of Physical Activity Compared to Their Healthy Weight Peers	Connie Tompkins	Poster: 54, Afternoon
Meghan Winget	The Use of Comic Strip Conversations to Remediate Behavior Regulation Difficulties in a Child with Autism	Tiffany Hutchins	Poster: 24, Afternoon
Yunfei Zhao	Spontaneous Evolution of Modularity in Robot Neural Networks for Object Manipulation	Joshua Bongard	Poster: 38, Morning