

**POSTER SESSION 1, 4:30–5:00, FLOOR 1**

**POSTER SESSION 2, 5:00–5:30, FLOOR 2**

**NETWORKING, 5:30–6:30, FLOOR 1**

- TABLE** “Genotyping Structural Variants with Deep Learning”
- 1** Jacob Wallace, Alderik van der Heyde, Michael Linderman (Middlebury College) Presented by: Jacob Wallace, Alderik van der Heyde
  - “Demographics of CBD Use” Chris Butryn, Cannon Blanchard, Andrea Corcoran (Castleton University) Presented by: Chris Butryn
  - 3** “Assessing Movement Quality in Collegiate Athletes” Patrick Parillo, Eleanor Beltz (Northern Vermont University–Johnson) Presented by: Patrick Parillo
  - “Likely Effects of Transmitter Co-expression and Diverse Synaptic Connectivity in the Invertebrate Model Organism *Cupiennius salei*” Grace Fornabia, Sophia Tedesco, Hana Kibe–Chartier, Ruth Fabian–Fine (Saint Michael’s College) Presented by: Grace Fornabia, Sophia Tedesco, Hana Kibe–Chartier
  - “Can Behavioral Countermeasures Modulate the Risk of Stress-induced Altered Immunity and Latent Virus Shedding?” Jenna Blain, Grace Fleming, Dagan Loisel, Melissa VanderKaay Tomasulo (Saint Michael’s College) Presented by: Jenna Blain, Grace Fleming
  - “Using the Bacterial Adenylate Cyclase Two-Hybrid System (BACTH) for Identification of Proteins Associated with the SmaO114 Response Regulator in *Sinorhizobium meliloti*” Anthony Laniewski, Breanna Babiarz, Preston Garcia (Castleton University) Presented by: Anthony Laniewski
  - 7** “Chemical Stress Tests of *Sinorhizobium meliloti*” Jacob Henderson, Preston Garcia (Castleton University) Presented by: Jacob Henderson
  - “Photoredox Crosslinking as a Promising Approach to Target Identification” Ashley Mingyi Wang, Lindsay Repka (Middlebury College) Presented by: Ashley Mingyi Wang
  - 9** “Designing a Photoredox Approach to Target Identification Using an Intramolecular Substrate” Nathaniel Klein, Lindsay Repka (Middlebury College) Presented by: Nathaniel Klein
  - 10** “Malnutrition in Rural Older Vermonters” Nicole Mooney, Nancy Gell, Caitlin Eckert, Emily Tarleton (Northern Vermont University–Johnson) Presented by: Nicole Mooney

- TABLE** “Missing Data and Its Impact on Statistical Analysis”
- 13** Conner Lorenz, Daniel Fortier, Michael Larsen (Saint Michael’s College) Presented by: Conner Lorenz, Daniel Fortier
  - “Adventures in Chemical Synthesis: The Korich Research Group at Saint Michael’s College” Alexia Amaio, Richard Siracusa, Andrew Korich (Saint Michael’s College) Presented by: Alexia Amaio, Richard Siracusa
  - 14** “CBD Use and Effects on Exercise Performance” Cannon Blanchard, Chris Butryn, Andrea Corcoran (Castleton University) Presented by: Cannon Blanchard
  - “Multiscale Entropy Fluctuation of Hippocampal Local Field Potential Over Infraslow Oscillations” Lyn Ackert–Smith, Michael Dash (Middlebury College) Presented by: Lyn Ackert–Smith
  - 15** “Dual Regulation in the Signal Transduction System of *Sinorhizobium meliloti*” Dominick Kuziak, Preston Garcia (Castleton University) Presented by: Dominick Kuziak
  - 16** “*Sinorhizobium meliloti* Gene Knockout Through a Triple Mating Protocol” Ryanne Mix, Preston Garcia (Castleton University) Presented by: Ryanne Mix
  - 17** “Triparental Mating of *Sinorhizobium meliloti*” Alexander Williams, Preston Garcia (Castleton University) Presented by: Alexander Williams
  - 18** “Exploring Photoredox Crosslinking for Target Identification” Anna Cox, Jeanelle Tsai, Lindsay Repka (Middlebury College) Presented by: Anna Cox
  - 19** “The Effects of Malnutrition on Falls in Older Community-dwelling Vermonters” Jocelyn Pellerin, Nancy Gell, Caitlin Eckert, Emily Tarleton (Northern Vermont University–Johnson) Presented by: Jocelyn Pellerin
  - 20** “The Role of GDE6 in Radial Glial Proliferation and Patterning” Francesca Napoli, Tahira Hasan, Katherine Beebe, Minori Kawano, Stephanie Soriano–Cruz, Maria Than, Clinton Cave (Middlebury College) Presented by: Tahira Hasan

- TABLE**
- 1** Jessica Chenette, Vermont Department of Health
  - 2** Lauren Dunn, University of Colorado Anschutz Medical Campus
  - 3** Luke Emerson–Mason, Bia Diagnostics, LLC
  - 4** Catrina Hood, University of Vermont Larner College of Medicine
  - 5** Maria Lent, University of Vermont Psychology Department

**ABOUT THE  
VERMONT BIOMEDICAL RESEARCH NETWORK**

The mission of the **Vermont Biomedical Research Network (VBRN)** is to build a culture to promote biomedical research infrastructure in Vermont. VBRN is funded by a five-year, \$19.4 million grant from the National Institute of Health initiative called IDeA Networks of Biomedical Research Excellence (INBRE). VBRN links resources at the University of Vermont to its partner institutions, which include:

- Castleton University
- Middlebury College
- Northern Vermont University – Johnson
- Northern Vermont University – Lyndon
- Norwich University
- Saint Michael’s College
- Champlain College\*
- Community College of Vermont\*
- Landmark College\*

\*Outreach partners