

VAN LIERE RESEARCH CONFERENCE

THURSDAY, MARCH 21

OFFICE OF RESEARCH AND GRADUATE EDUCATION
ROBERT C. BYRD HEALTH SCIENCES CENTER

11:30: Box lunches outside of BMRC conference rooms

Noon: Session 1

G01 BMRC: Clinical/Translational Science Scholars

12:00:	Amelia Adcock, M.D.	<i>Neuromodulation in Post Stroke Depression; Using an old tool to forge a new path forward?</i>
12:10:	Liz Engler-Chiurazzi, Ph.D.	<i>B cell deficiency is associated with a depressive-like phenotype in mice</i>
12:20:	Rashi Mehta, M.D.	<i>Intravascular polymer coating deposition during endovascular therapy</i>
12:30:	Cassie Brode, Ph.D.	<i>Bariatric surgery research</i>
12:40:	James Mahoney, Ph.D.	<i>Transcranial Magnetic Stimulation as an Adjunctive for Opioid and Polysubstance Use Disorder</i>

101 BMRC: HSC Research Highlights-Excellence Across Five Schools

12:00:	Brian Hendricks, Ph.D., School of Public Health	<i>Beyond Mapping: Spatial Epidemiology-A valuable tool to address West Virginia's Health Disparities</i>
12:20:	Wei Du, M.D./Ph.D., School of Pharmacy	<i>Targeting cdc42 for long-term hematopoietic stem cell mobilization & engraftment</i>
12:40:	Health Damron, Ph.D., School of Medicine	<i>Vaccines Developed by Mountaineers</i>

201 BMRC: Conference Presentation Highlights

12:00:	Hannah Wilson	<i>Breast cancer and muscle fatigue: novel targets to improve survival and quality of life</i> Cancer Cell Biology, Advisor: Emidio Pistilli, Ph.D.
12:10:	Eiman Aboaziza	<i>Vaping during Pregnancy</i> Clinical Translational Science, Advisor: Mark Olfert, Ph.D.
12:20:	Samuel Sprowls	<i>Ionizing radiation disrupts the blood-tumor barrier in a preclinical model of brain metastasis of breast cancer</i> Basic Pharmaceutical Sciences, Advisor: Paul Lockman, Ph.D.
12:30:	Andrya Durr	<i>Speckle-tracking Echocardiography Identifies Early Segmental Abnormalities Preceding Overt Cardiac Dysfunction in a db/db Mouse Model</i> Exercise Physiology, Advisor: John Hollander, Ph.D.
12:40:	Shannon Barth	<i>Early life adversity and suicide ideation and attempt among veterans in post-secondary education</i> Epidemiology, Advisor: Robart Bossarte, Ph.D.

301 Biomedical Sciences PhD Students

12:00:	Daniella Munezero	<i>The Exocyst protein complex is essential for Vision</i> Basic Pharmaceutical Sciences, Advisor: Visvanathan Ramamurthy, Ph.D.
12:10:	Savannah Sims	<i>Janus Kinase (JAK) 1 drives ER stress-induced gene expression in astrocytes</i> Microbiology, Immunology & Cell Biology, Advisor: Gordon Meares, Ph.D.
12:20:	Tanya Dilan	<i>ARL13B, a small GTPase, is needed for photoreceptor outer segment development, Rhodopsin trafficking and retinogenesis</i> Biochemistry & Molecular Biology, Advisor: Visvanathan Ramamurthy, Ph.D.
12:30:	Kayla Steinberger	<i>HIF-1α regulates the Tie2 receptor on Tie2-expressing monocytes and perturbs Angiogenic function in breast cancer</i> Microbiology, Immunology & Cell Biology, Advisor: Timothy Eubank, Ph.D.
12:40:	Emily Burrage	<i>Xanthine Oxidase Mediates Cerebrovascular Function Impairment in Chronically Stressed Mice</i> Neuroscience, Advisor: Paul Chantler, Ph.D.

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1:00PM: Session 2

G01 BMRC: Clinical/Translational Science Presentations

- 1:00: **Carrie Moore, M.D.** *Congenital Microcephaly: What contributes to small heads?*
Department of Pediatrics, Advisor: Alicia Moise, M.D.
- 1:10: **Sundus Lateef** *High Energy beams: science fiction, or a better way to treat brain cancer?*
Basic Pharmaceutical Sciences, Advisor: Paul Lockman, Ph.D.
- 1:20: **Jacob Mascaro** *Electrolysis as a Potential Treatment for Biofilm Removal in Total Knee Arthroplasty*
Medicine, Advisor: Matthew Dietz, M.D.
- 1:30: **Jessica Frey, M.D.** *NoT SAD: Accelerated Transcranial Magnetic Stimulation (TMS) for Post-stroke Depression (PSD)*
Department of Neurology, Advisor: James Simpkins, Ph.D.
- 1:40: **Jayeshkumar Patel** *What contributes to the poor health-related quality of life among long-term opioid users?*
Pharmaceutical Systems and Policy, Advisor: Usha Sambamoorthi, Ph.D.

101 BMRC: HSC Research Highlights-Excellence Across Five Schools

- 1:00: **Fotinos Panagakos, D.M.D., Ph.D.** *School of Dentistry Research Update: Enhancing Engagement and Opportunities*
- 1:20: **Joy Buck, Ph.D.** *School of Nursing Highlights: Reducing Drug-related Harm through Translational Research and Collaborative Action*

201 BMRC: Conference Presentation Highlights

- 1:00: **Hannah Wilson** *Breast cancer and muscle fatigue: novel targets to improve survival and quality of life*
Cancer Cell Biology, Advisor: Emidio Pistilli, Ph.D.
- 1:10: **Eiman Aboaziza** *Vaping during Pregnancy*
Clinical Translational Science, Advisor: Mark Olfert, Ph.D.
- 1:20: **Samuel Sprowls** *Ionizing radiation disrupts the blood-tumor barrier in a preclinical model of brain metastasis of breast cancer*
Basic Pharmaceutical Sciences, Advisor: Paul Lockman, Ph.D.
- 1:30: **Andrya Durr** *Speckle-tracking Echocardiography Identifies Early Segmental Abnormalities Preceding Overt Cardia Dysfunction in a db/db Mouse Model*
Exercise Physiology, Advisor: John Hollander, Ph.D.
- 1:40: **Shannon Barth** *Early life adversity and suicide ideation and attempt among veterans in post-secondary education*
Epidemiology Advisor : Robert Bossarte, Ph.D.

301 BMRC: Biomedical Sciences PhD Students

- 1:00: **Tayvia Brownmiller** *The Importance of the Lnc-SPRY3 Family in Male Non-small Cell Lung Cancer Therapeutic Response*
Cancer Cell Biology, Advisor: Ivan Martinez, Ph.D.
- 1:10: **Brenen Papenberg** *Identification of a Tobacco-Specific Molecular Signature Associated with Disparate Appalachian HNSCC*
Cancer Cell Biology, Advisor: Scott Weed, Ph.D.
- 1:20: **Skye Hickling** *JNK acts as an internal compass for migrating cortical interneurons*
Biochemistry & Molecular Biology, Advisor: Eric Tucker, Ph.D.
- 1:30: **Divine Nwafor** *Polymicrobial Infection Exacerbates Neuroinflammation and Worsens Alzheimer's Associated Loss in Female Alzheimer's Disease Transgenic Mice Model*
Neuroscience, Advisor: Candice Brown, Ph.D.
- 1:40: **Kelly Fraser** *Health Effects of Carbon Nanotubes and Carbon Nanofibers: Does One Size Fit All?*
Basic Pharmaceutical Sciences, Advisor: Aaron Erdely, Ph.D.

