**Department of Biochemistry Spring 2022 Seminar Series**

**BCHM 5004**

Mondays, 4:00 – 5:00 PM

Most of the seminars will be presented in person. All seminars will be available via zoom

To attend the seminar via zoom you must be a member of our Weekly Seminar Series CANVAS site. All Biochemistry department members have been added to this site. For those outside of Biochemistry, please email smearly@vt.edu to be added. Once added you will have access to all seminar links for the semester. The zoom link will be posted at the CANVAS site on the day of the seminar.

|  |  |  |
| --- | --- | --- |
| **Date** | **Speaker (Name and Affiliation)** | **Seminar Title** |
| January 24(Host: Biswarup Mukhopadhyay) | **Prof. Paul Carlier**Dept. of ChemistryVirginia Tech | Scaffold Hopping from a Malaria Box Lead: Discovery of a New Orally-Active Antimalarial |
| January 31 (Host: Biswarup Mukhopadhyay) | **Prof. Julie A. Maupin-Furlow**Dept. Microbiology and Cell ScienceUniversity of Florida | Post-Translational Modification and Redox Biology in Archaea |
| February 7 (Host: Rich Helm) | **Didier Mena Aguilar**Department of BiochemistryVirginia Tech | Proteomic Profiling of a Copper Resistant Environmental Strain of *Legionella pneumophila* |
| February 14 (Host: Kylie Allen) | **Prof. Anna Duraj-Thatte**Dept. of Biological Systems EngineeringVirginia Tech | Biologically Programmed Living Materials for Health and Environmental Applications |
| February 21(Host: Daniel Slade) | **Tam Nguyen**Dept. of BiochemistryVirginia Tech  | Characterizing the Intra-Tumor Survival Mechanism of Fusobacterium |
| February 28 (Host: Glenda Gillaspy) | **Prof. David Haak**School of Plant & Environmental SciencesVirginia Tech | *TBD (Dr. Haak is a specialist in Plant Genomics)* |
| March 7 | ***No Seminar – Spring Break*** |  |
| March 14 (Host: Biswarup Mukhopadhyay) | **Prof. Ulrike Kappler**School of Chemistry & Molecular BiosciencesUniversity of QueenslandAustralia | Bacterial Self-Defense – *Haemophilus influenzae* S-Oxide Reductases as Determinants of Successful Host-Pathogen Interactions |
| March 21 (Host: Biswarup Mukhopadhyay) | **Prof. David E. Graham**Oak Ridge National Lab | Microbial Biochemistry: From Hot to Cold |
| March 28(Host: Glenda Gillaspy) | **Catherine Freed**Dept. of BiochemistryVirginia Tech | *TBD (Catherine is a Ph.D. candidate)* |
| April 4 (Host: Jake Tu) | **Prof. X. J. Meng**Biomedical Sciences & PathobiologyVA-Maryland College of Veterinary Medicine | Hepatitis E Virus: Cross-Species Infection and Emerging Zoonosis |
| April 11 (Host: Biswarup Mukhopadhyay) | **Prof. Anne Brown**Science Informatics & Health Analytics CoordinatorVirginia Tech | Unraveling Conformational States of Functional and Cytotoxic Amyloid Proteins Using MD-Simulations to Enhance Drug Discovery |
| April 18(Host: Pablo Sobrado) | **Sydney Johnson**Dept. of BiochemistryVirginia Tech | The Biochemical Characterization of Unique Flavin-Dependent Monooxygenases Involved in Natural Product Biosynthesis |
| April 25 (Host: Biswarup Mukhopadhyay) | **Prof. Bryan Hsu**Dept. of Biological SciencesVirginia Tech | Phage-Directed Modulation of the Gut Microbiome |
| May 2(Host: Kylie Allen) | **Prof. Kyle Costa**Dept. of Plant & Microbial BiologyUniversity of Minnesota | Formate Metabolism in Methanogenic Archaea |