**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](mailto: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.

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| **Date** | **Speaker (Name and Affiliation)** | **Seminar Title** |
| January 24  (Host: Biswarup Mukhopadhyay) | **Prof. Paul Carlier**  Dept. of Chemistry  Virginia 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 Science  University of Florida | Post-Translational Modification and Redox Biology in Archaea |
| February 7  (Host: Rich Helm) | **Didier Mena Aguilar**  Department of Biochemistry  Virginia 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 Engineering  Virginia Tech | Biologically Programmed Living Materials for Health and Environmental Applications |
| February 21  (Host: Daniel Slade) | **Tam Nguyen**  Dept. of Biochemistry  Virginia Tech | Characterizing the Intra-Tumor Survival Mechanism of Fusobacterium |
| February 28  (Host: Glenda Gillaspy) | **Prof. David Haak**  School of Plant & Environmental Sciences  Virginia 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 Biosciences  University of Queensland  Australia | 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 Biochemistry  Virginia Tech | *TBD (Catherine is a Ph.D. candidate)* |
| April 4  (Host: Jake Tu) | **Prof. X. J. Meng**  Biomedical Sciences & Pathobiology  VA-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 Coordinator  Virginia 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 Biochemistry  Virginia 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 Sciences  Virginia Tech | Phage-Directed Modulation of the Gut Microbiome |
| May 2  (Host: Kylie Allen) | **Prof. Kyle Costa**  Dept. of Plant & Microbial Biology  University of Minnesota | Formate Metabolism in Methanogenic Archaea |