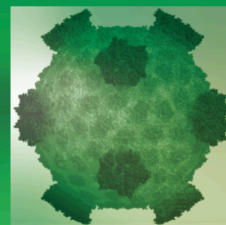


# Advanced Molecular Virology

Biochemistry 910  
Coordinator: Robert Kirchdoerfer ([rkirchdoerf\[at\]wisc.edu](mailto:rkirchdoerf[at]wisc.edu))

Spring Semester 2022  
Thursdays, 12:10-1:00 pm  
1211 Biochemical Sciences



| Date | Speaker                                          | Title                                                                                                           | Affiliation                                                                                                               |
|------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 1/27 | Prof. Robert Kirchdoerfer<br>Seminar coordinator | Organizational Meeting<br>(Students only)                                                                       | University of Wisconsin-Madison                                                                                           |
| 2/3  | Prof. Elizabeth Wright<br>UW Faculty Speaker     | Structural studies of virus assembly using<br>cryo-electron tomography                                          | University of Wisconsin                                                                                                   |
| 2/10 | Luis Haddock Soto<br>UW Lab Speaker              | Stochastic processes constrain the<br>adaptation of wildtype H7N9 avian<br>influenza viruses to mammalian hosts | University of Wisconsin<br>Friedrich Lab                                                                                  |
| 2/17 | Prof. Cary Moody<br>Visiting speaker             | Host:Virus Interactions that Regulate HPV<br>Replication<br><b>Virtual Visit</b>                                | University of North Carolina-<br>Chapel Hill<br><a href="mailto:kmajumder[at]wisc.edu">Contact: kmajumder[at]wisc.edu</a> |
| 2/24 | Alejandro Casco<br>UW Lab Speaker                | What can a fluorescent Epstein-Barr virus<br>can teach us about host shutoff                                    | University of Wisconsin<br>Johannsen Lab                                                                                  |
| 3/3  | Prof. M. Suresh<br>UW Faculty Speaker            | Mucosal and Systemic T-Cell Immunity to<br>SARS-CoV-2 Variants                                                  | University of Wisconsin-Madison                                                                                           |
| 3/10 | Prof. Bill Sugden<br>UW Faculty speaker          | How two human tumor viruses together<br>cause one tumor.                                                        | University of Wisconsin-Madison                                                                                           |
| 3/17 | -                                                | <b>Spring Recess, No Seminar</b>                                                                                | -                                                                                                                         |
| 3/24 | Nina Bonde<br>Student Speaker                    | Expanding bacteriophage host range and<br>specificity                                                           | University of Wisconsin-Madison                                                                                           |
| 3/31 | Gina Wade<br>Student Speaker                     | Host cell lipid composition modulates viral<br>infection                                                        | University of Wisconsin-Madison                                                                                           |
| 4/7  | Sara McMillan<br>Student Speaker                 | Structure and function of HIV G-<br>quadruplexes                                                                | University of Wisconsin-Madison                                                                                           |
| 4/14 | Prof. Sebla Kutluay<br>Visiting speaker          | The Unexpected Role of HIV-1 Integrase in<br>Particle Maturation                                                | Washington University St. Louis<br><a href="mailto:nsherer[at]wisc.edu">Contact: nsherer[at]wisc.edu</a>                  |
| 4/21 | Prof. Clodagh O'Shea<br>Visiting speaker         | Synthetic Virology: Visualizing and<br>Redesigning Genomes for Precision<br>Medicines                           | Salk Institute<br><a href="mailto:kmajumder[at]wisc.edu">Contact: kmajumder[at]wisc.edu</a>                               |
| 4/28 | Anna Frerichs<br>Student Speaker                 | The interplay between viral and fungal<br>coinfections                                                          | University of Wisconsin-Madison                                                                                           |
| 5/5  | Tony Gitter<br>UW Faculty Speaker                | Machine learning to guide drug screening<br>and protein engineering                                             | University of Wisconsin-Madison                                                                                           |