



Charles Frevert

Biographical Sketch: Dr. Charles Frevert is a Professor in the Department of Comparative Medicine (DCM) with a Joint Appointment in the Department of Medicine/Division of Pulmonary, Critical Care, and Sleep Medicine at the University of Washington (UW) School of Medicine (SOM). He received his Doctor of Veterinary Medicine (DVM) degree from Iowa State University and a Doctor of Science (ScD) Degree from Harvard University. Dr. Frevert is a veterinary-scientist with a laboratory that focuses on the cellular and molecular mechanisms that regulate the innate immune response to viral and bacterial lung infections. He is particularly interested in defining the mechanisms whereby proteoglycans and glycosaminoglycans in the extracellular matrix provide critical fine control of innate immunity and the host response to pathogens.

Dr. Frevert is trained in comparative pathology with expertise in lung pathology. He is also Director of the Histology and Imaging Core (HIC), a state-of-the-art imaging facility at the UWSOM/South Lake Union Campus. The HIC is a multiuser facility that assists scientists at the University of Washington and the greater Seattle metropolitan area with histochemistry, immunohistochemistry, in situ hybridization, and quantitative digital pathology.

In addition to his work at the UW, Dr. Frevert has served in several capacities for the Histochemical Society (HCS), including Councilor, Secretary-Treasurer, and President. He has served on the editorial board of the Journal of Histochemistry and Cytochemistry (JHC) since 1999 and became an Associate Editor in 2016. Dr. Frevert represented the HCS on the FASEB Board (2016-2020) and Finance Committee (2013-2019). Additionally, he served as the FASEB Treasurer-Elect (2019-2020) and FASEB Treasurer (2020-2022). Dr. Frevert served on the FASEB Executive Committee from 2019 to 2022.

As a member of HCS, Dr. Frevert has been actively involved in the education programs of HCS. He served as Co-Director of the Immunohistochemistry and Microscopy Short Course at the Marine Biological Laboratory at Woods Hole, MA (2010 to 2016). Dr. Frevert was the Director of the Quantitative Digital Pathology (QDP) Short Course held at the UW in 2009, 2014, and 2017. The QDP Short Course was an HCS-sponsored Short Courses in 2017. He is currently Co-Director of the Immunohistochemistry and Immunofluorescence (IHCIF): A HCS Hands-on Training Course that became an annual HCS Course in 2022.

Future Vision for HCS: I see the HCS playing an essential role in several areas. First, the society must continue to be a champion for the Journal of Histochemistry and Cytochemistry. The journal's success is critical to HCS because the journal provides the financial resources necessary to run the society and the funding needed for developing excellent educational programs and meetings. To increase the rigor and the reproducibility of the core techniques of our community, the HCS will need to develop additional educational programs that complement the annual IHCIF course. With the loss of the annual Experimental Biology meeting, the HCS will need to establish meetings to allow its members to network with each other and other scientists. These meetings will allow us to highlight how members of the society use histochemical and cytochemical techniques to advance their own science. They will also provide an educational opportunity for our members to learn about new technologies and instrumentation that complement our core mission to obtain biochemical and molecular information about the structure and function of cells in tissues and organs.