



Virus / Cell Interactions

Tuesday, July 27

14:00 – 14:30

Regulation of Cellular and Viral Genes by HCMV microRNAs

Jay Nelson

Oregon Health & Science University, USA

Jay A. Nelson, Ph.D., is Director of the Vaccine and Gene Therapy Institute (VGTI) and Professor, Department of Molecular Microbiology and Immunology at Oregon Health & Science University. Dr. Nelson is also Executive Director and Vice President of VGTI Florida, Inc. a Florida-funded expansion of the VGTI at OHSU. Dr. Nelson received a B.S. degree in biology from California State University, Hayward, and a Ph.D. in Microbiology and Biochemistry from Oregon State University. From 1980 until 1984, Dr. Nelson was a Fellow at the Fred Hutchinson Cancer Research Center in Seattle, WA. In 1984, Dr. Nelson was an Assistant Professor at the Scripps Research Institute in La Jolla, CA followed by promotion to Associate Professor in 1989. He also was an Adjunct Associate Professor, Department of Pathology at the University of California at San Diego. In 1992, Dr. Nelson was recruited as a Professor to the Molecular Microbiology and Immunology Department at OHSU. Dr. Nelson is a senior molecular virologist with over 165 papers and reviews on a variety of topics including herpesviruses, retroviruses, and flaviviruses. He has received Faculty Awards from the American Cancer Society, is a Fellow of the American Academy of Microbiology, and is an Editor for *Journal of Virology*, *PLOS Pathogens*, and *Future Virology*. Dr. Nelson has served on multiple committees at the National Institutes of Health (NIH), American Cancer Society, and the American Foundation for AIDS Research. Dr. Nelson is also the Director of the Pacific North West Regional Center of Excellence (PNWRCE) that is one of 11 Regional Centers of Excellence (RCE) in Biodefense and Emerging Diseases throughout the United States. The primary focus of the NIH RCE program is to create a consortium of regional experts in infectious disease at various universities and institutes to develop research programs, training and education on agents that could be used for Bioattack as well as emerging or re-emerging infectious disease that pose a serious threat to human health. The RCEs also interphase with local and state public health departments to assist with infectious disease outbreaks.