

Bio: Karen Denzler

Dr. Karen Denzler received her doctorate degree from Arizona State University in Molecular and Cellular Biology in 1994. Her research area of interest was in molecular virology where she characterized double-stranded RNA binding proteins from the interferon-resistant viruses, reovirus and vaccinia virus (VACV). After graduation, Dr. Denzler accepted a postdoctoral position at Mayo Clinic in Scottsdale, Arizona. There she focused on the involvement of secondary eosinophil granule proteins, major basic protein (MBP) and eosinophil peroxidase (EPO), in airway pathologies associated with a murine model of asthma. In 2001 Dr. Denzler returned to Arizona State University to work as a research scientist in the area of molecular virology. There she worked on VACV and headed several studies looking at the efficacy of a highly attenuated VACV as an effective poxvirus vaccine. In addition she has been involved in testing plant-based antiviral extracts as a potential therapeutic toward viral infections and has focused these studies toward the alpha herpes virus family. Currently, Dr. Denzler is a faculty member of Grand Canyon University in Phoenix, Arizona where she is studying plant-based antibacterial extracts.