

Email: vistas@silcom.com



Presented By: Dr. Bruce Phillips

Wednesday May 27, 10 a.m. - 11 a.m.

To be held online via Zoom

(See instructions below)

his one-hour presentation will discuss the unique nature of viruses, including their remarkable modus operandi of growth and how they cause disease. The main emphasis will be on the coronavirus, SARS-CoV-2, the virus caus-

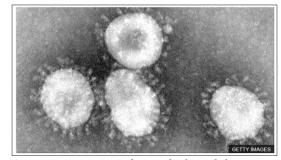
anti-viral drugs and vaccines, (3) what we understand about the disease

Coronavirus cases in the United States by county

ing the disease, COVID-19. It is now clear that this new virus variant, for which humanity has no previous exposure and thus no pre-existing immunity, arose in Wuhan, China, in December, 2019 and spread throughout the rest of the world. The discussion will include brief mention of other emerging viruses and diseases in the past 20 years (SARS-1, MERS,

and Ebola) and the dynamics of these viral pandemics.

Subjects to be included will be: (1) what is being done to combat the COVID-19 pandemic, (2) the likelihood of developing



Coronaviruses are a group of viruses that have a halo or crown-like (corona) appearance when viewed under a microscope

itself and the role that immune responses play in its pathology, (4) what we don't know about COVID-19 but must understand to implement effective countermeasures, and (5) where to find reliable and truthful information (aside from this talk).

Vistas is pleased to offer this free online course through Zoom Video Communications as a benefit of your membership. The Coronavirus Crisis will be presented by Dr. Bruce Phillips, a retired professor of microbiology and virology. To register, please send an email to pat.sheppard@gmail.com

Zoom presentations are easy to attend and it's a real treat seeing other participants. You will need to have the Zoom app on your computer. You can download it free at www.zoom.com. Shortly before the meeting is to begin, you will receive a link to join from Vistas President, Pat Sheppard. Simply click on the link, then click on Join Meeting with Audio.



Dr. Bruce Philips, received a B.S. in Bacteriology from the University of Illinois, in 1960. He earned his M.S. and PhD in Microbiology at the University of Michigan, in 1967. He was a Professor of Microbiology, University of Pittsburgh Medical School, 1968- 1999; a Visiting Scientist at the University of Cambridge, in Cambridge, England, 1979- 1980; and a Visiting Professor, Department of Molecular, Cellular and Developmental Biology, at UCSB, 2003-2005. His research has been devoted primarily to processes governing the formation of virus particles. He moved to Santa Barbara in 2006 and is married with 2 children.