“Cellular Tools for Virus Warfare”

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Date: Monday, February 29, 2016
Time: 12:00 pm – 1:00 pm
Note: A light lunch will be served before the seminar at 11:30 am
Location: Aresty Auditorium, NRT, LG
Webcast: http://keckmedia.usc.edu/Mediasite/Catalog/catalogs/keck-research-seminar

Host: Dr. Pinghui Feng

Abstract:

The capacity to inhibit virus infection using a combination of pathogen-derived small RNAs and nuclease has proven an effective strategy in both prokaryotes and eukaryotes. However, for reasons that remain unclear, mammals have largely replaced this antiviral defense mechanism with the interferon-based system despite encoding the necessary machinery to elicit a small RNA-mediated antiviral response. This talk will focus on recent work examining the biology of small RNAs as it relates to the cellular response to mammalian virus infection.