

The Keck Seminar

presents:

Crystal and cryo-EM structures of ribosome complexes provide insights into key steps of translation

Protein synthesis is mediated by a large molecular machine, the ribosome. During translation, the ribosome works in concert with a plethora of translation factors regulating its function. Timely binding of the factors guides the ribosome through the translation cycle. Two key steps in the translation cycle are recycling of the ribosome subunits and initiation of a new round of protein synthesis. The molecular basis for these fundamental steps of translation remains unclear. We use X-ray crystallography and cryo-EM to visualize bacterial ribosome complexes in the process of translation. My talk will present our recent results and ongoing work aimed to understand ribosome recycling and translation initiation. [Click here](#) to learn more.



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BRANCH AT GALVESTON

Friday, March 5, 2021
4:00 -5:00 pm CST

Gulf Coast Consortia
QUANTITATIVE BIOMEDICAL SCIENCES

gulfcoastconsortia.org

Questions: Vanessa Herrera (HERRERA@RICE.EDU)

LINK to join:

<https://riceuniversity.zoom.us/j/99328419998?pwd=SWVxTmg4UU9EMkhxL3gyRHcrQ3Q5QT09> (Meeting ID: 993 2841 9998; Passcode: 479935)

OR [CLICK HERE](#) to REGISTER and add a calendar invite