



Department of Physics and Astronomy  
FALL 2021 Colloquium Series - Virtual

# “How Stars Bite at the Mouths That Feed Them”

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At the most basic level the evolution of a galaxy is determined by gravitational forces. This is the main driver of large-scale kinematics, and the collapse of clouds of gas into star-forming regions. However, once stars begin forming they interact with this interstellar gas via a plethora of complicated mechanisms. These stars emit radiation, winds, and eject huge quantities of energy that sculpt and excavate their surrounding stellar nursery. Modelling such effects in simulations of whole galaxies is extremely challenging and at the forefront of astrophysical research. In this talk I will discuss recent advances in modelling this “feedback” from stars in simulations, with a particular focus on ultraviolet radiation emitted by the most massive stars.

**Thursday, Nov. 18, 2021**

**4:00 - 5:20PM**

Talk will be via Zoom - contact [physics@csus.edu](mailto:physics@csus.edu) for links or visit our Colloquium Spotlight at [www.csus.edu/physics](http://www.csus.edu/physics)

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