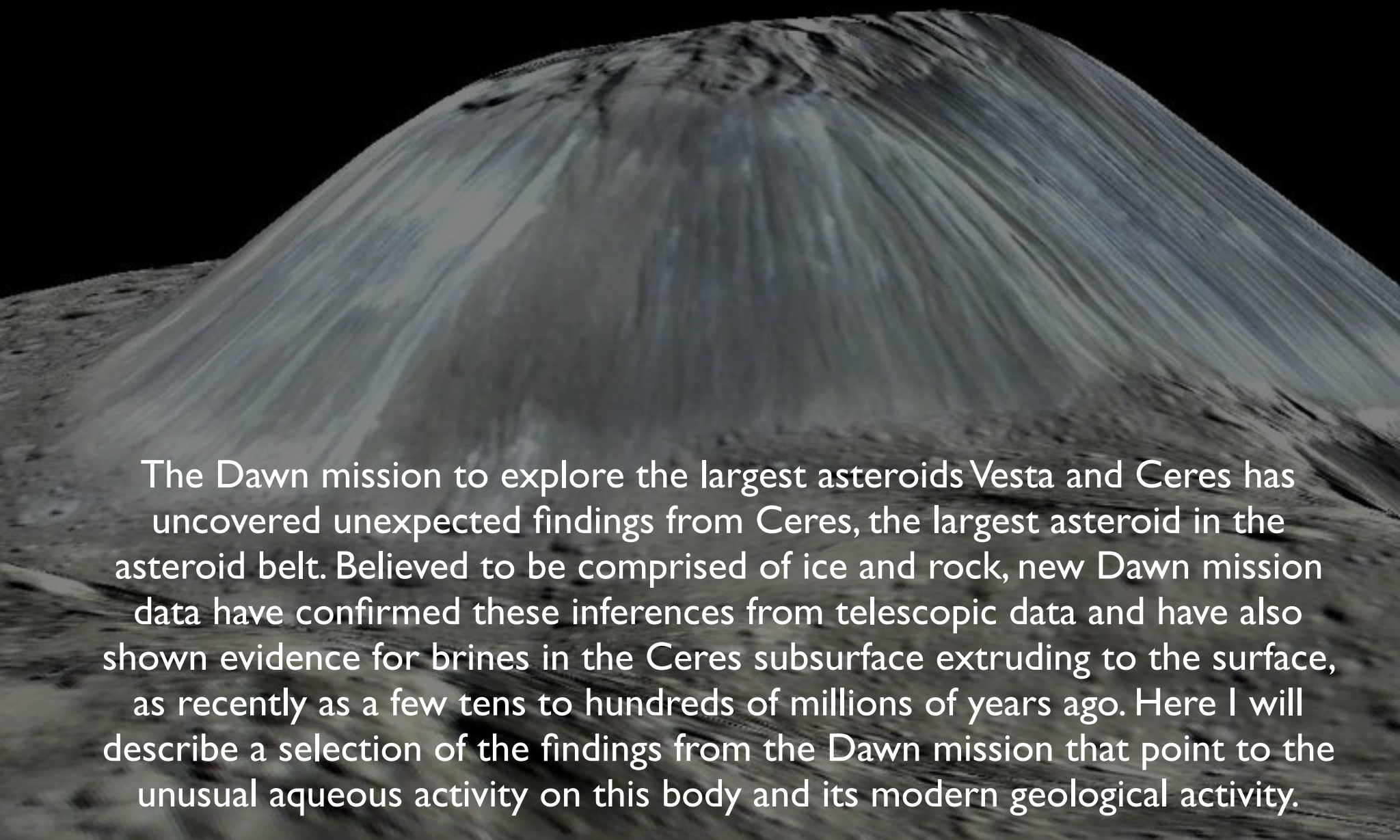


**Ceres, an Unexpectedly Active
Dwarf Planet:
Findings from the Dawn Mission**

A Lecture by Bethany Ehlmann

Friday, October 12th, 8:00PM

Cahill Center for Astronomy and Astrophysics
California Institute of Technology



The Dawn mission to explore the largest asteroids Vesta and Ceres has uncovered unexpected findings from Ceres, the largest asteroid in the asteroid belt. Believed to be comprised of ice and rock, new Dawn mission data have confirmed these inferences from telescopic data and have also shown evidence for brines in the Ceres subsurface extruding to the surface, as recently as a few tens to hundreds of millions of years ago. Here I will describe a selection of the findings from the Dawn mission that point to the unusual aqueous activity on this body and its modern geological activity.

These are free lectures at a public level followed by guided stargazing with telescopes (weather permitting). All events are held at the Cahill Center for Astronomy and Astrophysics at Caltech. No reservations are needed. Lectures are 30 minutes, stargazing lasts 90 minutes. Stay only as long as you want.

For directions, weather updates, and more information, please visit:

<http://outreach.astro.caltech.edu>