



Department Colloquium Series Spring 2022

Monday, February 28, 2022 at 12pm

Myriam Telus

University of California Santa Cruz

Talk Title: Meteorites as analogs for planetesimals
in extrasolar systems



Abstract:

Meteorites provide a link for understanding how planetary building blocks, or planetesimals, influence the compositions of rocky planet atmospheres. I will discuss our experimental approach for measuring the composition of gases released during heating of meteorites and the implications of this work for exoplanet atmosphere models (Thompson et al., 2021).

Short bio:

Assistant Professor at UCSC (Since 2017), Carnegie Postdoctoral Fellow (2015-2017), PhD (2015) from the University of Hawaii at Manoa. Research interests are in constraining the timescales and conditions of planetesimal formation and evolution via elemental, isotopic and petrographic analyses of meteorites.

Zoom link: <https://harvard.zoom.us/j/98884783575?pwd=ais5ek9MaGRQYy9ScEh3Zm5YdTRwQT09>