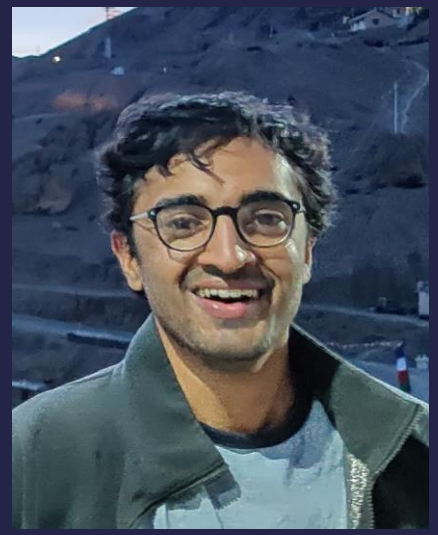
PCE_3 Seminar Series

Thurs, Aug 26th

1 p.m. EST/10 a.m. PST

More information & registration:
prebioticchem.info/seminar-series/index.html



Damanveer Grewal

Graduate Student

Rice University, Dasgupta Lab

"Origin of life-essential volatiles in rocky bodies of the Solar System"

Chenguang Sun

Assistant Professor

University of Texas at Austin

"Magmatic Controls on Atmosphere Oxygenation"

Topical introduction by Rajdeep Dasgupta, Maurice Ewing Professor, Rice University

Damanveer Grewal

Damanveer Grewal is in his final days of his PhD in Planetary Sciences at Rice University on a NASA FINESST fellowship working in Professor Rajdeep Dasgupta's lab. In January 2022, Damanveer will be joining Caltech as a Barr Foundation Postdoctoral Fellow. His research is focused on the origin of life-essential volatiles like nitrogen, carbon, and water in the rocky bodies of the Solar System, including Earth. To simulate the processes that played a key role during planet formation, Damanveer will combine high pressure-temperature experiments with meteorite data. A better understanding of these processes is critical to answer the fundamental question in planetary and exoplanetary science – what conditions lead to the formation of a habitable planet?

Chenguang Sun

Chen joined UT Austin in January 2021 as an assistant professor. His expertise is in petrology and geochemistry. His lab uses high-temperature laboratory experiments, thermodynamic models, and field samples to investigate thermal and magmatic processes in Earth and other rocky bodies as well as the interactions between planetary interior and surface environment.

Rajdeep Dasgupta

Dr. Rajdeep Dasgupta is a professor and Maurice Ewing endowed chair of Earth Systems Science in the department of Earth, Environmental and Planetary Sciences of Rice University. Prof. Dasgupta is a Fellow of the Mineralogical Society of America and the American Geophysical Union, and has been the recipient of AGU's James B. Macelwane medal and Hishashi Kuno award, Geochemical Society's F. W. Clarke medal, and a Packard Fellowship for Science and Engineering. Dasgupta's research interest encompasses planetary differentiation, origin and cycles of life-essential volatiles in rocky planets, mantle-climate feedback, and magmatic and geochemical processes of Earth and planetary interiors.