UC SAN DIEGO AND SCRIPPS INSTITUTION OF OCEANOGRAPHY PRESENT

GUSTAF ARRHENIUS SYMPOSIUM

NOVEMBER 4, 2019 | 8:00am–7:30pm | THE GREAT HALL, UC SAN DIEGO

Gustaf Arrhenius in his lab in Sverdrup Hall (circa 1968)
AGENDA

8–8:30am Breakfast
8:30–9am Opening Remarks
9–9:30am Ramanarayanan Krishnamurthy, The Scripps Research Institute
   In search of the chemistries leading to the origins of life
9:30–10am Stephen Mojzsis, Univ. of Colorado, Boulder
   Before Life: Geophysical and geochemical constraints on molecular evolution
10–10:30am Mark Van Zuilen, Institut de Physique du Globe de Paris
   Traces of life in ancient silica deposits
10:30–11am Break
11–11:30am Chris Greenwell, Univ. of Durham
   Life on the edge? Studying biomolecules at layered mineral interfaces
11:30-12pm Steve d’Hondt, Univ. of Rhode Island
   Coring for Life
12-12:30pm Jan Amend, Univ. of Southern California
   Another chemolithotrophic metabolism missing in nature—sulfur comproportionation
12:30–1:45pm Lunch
1:45–2:15pm George Cody, Carnegie Institution for Science
   Shedding light into the dark history of the solar system: Molecular and isotopic studies of extraterrestrial organic solids in primitive meteorites
2:15–2:45pm Meenakshi Wadhwa, Arizona State Univ.
   Cosmochemical implications of studies of short-lived radionuclides in meteorites
2:45–3:15pm Ed Young, UC San Diego
   The oxidation state of extrasolar planetary rocks
3:15–3:45pm Break
3:45–4:15pm Abigail Fraeman, NASA, JPL
   Exploring the sedimentary rock record of Mars: Clues to past environments and habitability
4:15–4:45pm Jennifer Blank, NASA, Ames Research Center
   TBD
4:45–5:15pm James Day, Scripps Institution of Oceanography
   Pioneer in the Wild West: The contributions of Gustaf Arrhenius to our understanding of the Solar System.
5:15–5:30pm Asoka Mendis and Mark Thiemans, UC San Diego
   Personal reflections
5:30–5:45pm Melvin Simon, Agouron Institute
   Closing Remarks
5:45–7:30pm Reception