



THE ASTROBIOLOGICAL NARRATIVE OF LIFE'S ORIGIN

A central aspect of Astrobiology research concerns the delineation of life's origin and its early evolution on our planet. This intriguing and complex story that started several billions of years ago, continues to be a very intriguing and fascinating scientific mystery. Specifically, it involves characterising how the transition from chemistry to biology would have occurred on the early Earth, to result in minimal life that is vastly different from the living organisms that we now know of and appreciate.

In this talk, the speaker will give an overview of the current understanding prevalent in the field, while also sharing some of the contributions that they at the COoL lab@IISER Pune have made towards these attempts. Discerning the aforementioned phenomenon also has important implications for figuring out life's distribution in the universe. Importantly, the speaker hopes this talk will get us all thinking about our attitude towards the only home we might ever know!



DR. SUDHA RAJAMANI

Associate Professor & Principal Investigator,
Chemical Origins of Life (COoL) lab,
Indian Institute of Science Education and
Research (IISER), Pune.

About our speaker: Dr. Sudha Rajamani ventured into Astrobiology for the first time during her postdoctoral research at the Deamer lab at UCSC, where her interests in this field, and especially in the origins of life, were nurtured. Subsequently, she also worked at the Chen lab in the FAS Centre for Systems Biology at Harvard University, before coming back to India to join the Indian Institute of Science Education and Research (IISER) at Pune. Sudha is now an Associate Professor and the Principal Investigator of the Chemical Origins of Life (COoL) lab, where she and her team use tools from biology, chemistry, geochemistry and physics, to delineate the processes and niches that would have allowed for the transition from non-life to life on the early Earth. She is passionate about Astrobiology education and outreach, and is very involved in this both formally and via science outreach programs. In particular, she feels strongly about mentoring school and university students in their pursuit of Astrobiology as a career.

THURSDAY, 4 MAY 2023

4:00 PM TO 5:00 PM

For Registration
Click <https://www.bit.ly/43W9mSE>
Or Scan QR Code



Established by the Office of The Principal Scientific Adviser, GoI under The City Knowledge & Innovation Cluster Initiative (CKIC), the Pune Knowledge Cluster aims to bring together Academic Institutions, R&D organizations, Industries, NGOs, Civic Bodies, Local & State governments to collectively work for the betterment of Pune City by leveraging the science & technology capabilities of its partner organizations.

www.pkc.org.in