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TATA INSTITUTE OF FUNDAMENTAL RESEARCH

ICTS SPECIAL COLLOQUIUM

# Behold, A star is born!

Stars are fundamental units of luminous matter in the Universe. They are born deeply ensconced in dense clouds of interstellar medium. Although the process of formation of stars is broadly understood, there are numerous details that still require further scrutiny. In this talk, I will elucidate multiple methods by which these infant stars can be spotted, and touch upon the issues that are not fully understood as yet. Finally, I will briefly present how the James Webb Space Telescope can peer into the clouds and enhance our view of star formation.



Sarita Vig  
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Sarita Vig is a Professor at the Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram. She completed her PhD from the Tata Institute of Fundamental Research in Mumbai in 2005 which was followed by a postdoctoral stint at the Arcetri Observatory, Florence, Italy till 2008. She was PI of a project at IIT-Madras till 2010, when she joined IIST. Her research interests include early phases in massive star formation, Galactic clusters, Interstellar medium, and Galactic structure. She teaches astrophysics to students pursuing their Bachelors and Masters degrees at IIST. She is also interested in astronomy outreach activities and loves to talk to people about the cosmos.

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