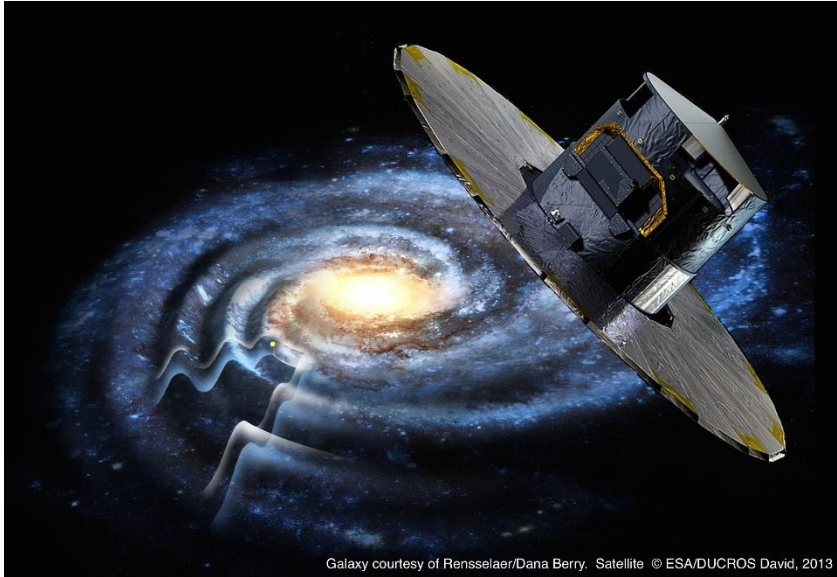




# COLLOQUIUM



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## **Modelling the Milky Way in the Era of Gaia**

### **Abstract**

With hundreds of billions of stars and structures evolving over billions of years; the dynamics, formation and evolution of our Galaxy is an area of study with a vast amount of scope. However, there are several observational limitations which inhibit our view from the Solar system. How can we determine what the Milky Way looks like? How did it form the structures we observe? What will the future generations of telescopes uncover? I will walk through the simulated approach to studying galaxies like the Milky Way and how these can be combined with observational data to form a deeper understanding of our home Galaxy

3:00 p.m. – 4:00 pm Friday, March 6<sup>th</sup> McLane 162