

COLUMBIA ASTRONOMY OUTREACH PRESENTS:



STARGAZING & LECTURE SERIES

Galaxy Synthesizers

Adrian Price-Whelan

Friday, April 10th, 8:00PM

Pupin Hall, Columbia University

Galaxies come in all shapes and sizes -- disky, wobbly, ellipsoidal, and spiral to name a few. The appearance of a galaxy provides a wealth of information about the history and evolution of the system, but it also reveals the dominant types of motion of the billions of stars that make up the stellar component of the galaxy. First we'll learn about motion or "orbits" of stars in galaxies, then we'll take orbital information from a few sample galaxies and make music by mapping properties of the motion to properties of synthesized sound.

These are free lectures at a public level followed by guided stargazing with telescopes (weather permitting).

All events are held at Pupin Hall at Columbia University. No reservations are needed.

Lectures are 30 minutes, stargazing lasts 90 minutes. Stay only as long as you want.

For directions, weather updates and more information, please visit:

<http://outreach.astro.columbia.edu>