

COLUMBIA ASTRONOMY OUTREACH PRESENTS:



# STARGAZING & LECTURE SERIES

## FALL 2012

*The Moon in 3D*  
Jeffrey Ambroziak  
September 14, 8:00 PM

*Gravity's Engines*  
Caleb Scharf  
September 28, 8:00 PM

*NuSTAR X-ray Spectacular!*  
Doug Thornhill  
October 5, 8:00 PM

*The Universe is My Lab*  
Or Graur  
October 19, 7:00 PM

*Martian Summer*  
Andrew Kessler  
November 2, 7:00 PM

*Living with the Stars*  
Helena Uthas  
November 16, 7:00 PM

*Galactic Neighborhoods*  
Jacqueline van Gorkom  
November 30, 7:00 PM

*Life, the Universe, and Everything*  
Adrian Price-Whelan  
December 14, 7:00 PM

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>