

COLUMBIA ASTRONOMY OUTREACH PRESENTS:



# STARGAZING & LECTURE SERIES

## The Invisible Gas that Fills Up Space

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Friday, March 4th, 7:00PM

Pupin Hall, Columbia University

We live in an environment that is filled with invisible gas, such as oxygen, water vapor, carbon dioxide, etc. Although transparent, this gas plays an important role in sustaining human beings' activities on Earth. Similarly, out in space, there exists invisible gas that helps the evolution of celestial objects at various astronomical scales. I will discuss the existence of gas in various astronomical environments and explain how astronomers use telescopes and modern techniques to detect and quantify these invisible but critical gas in the universe.

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>