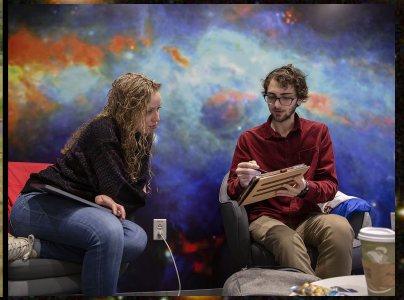
ASTROPHYSICS at UCONN!

4* astrophysics faculty, 3 postdocs,
19 astro grad students, ~20 undergrads

Astro grads with Jocelyn Bell Burnell

Astronomy on Tap @ Hops44

- **Astro Seminars** (Wed)
- **Astro Coffee** (Wed)



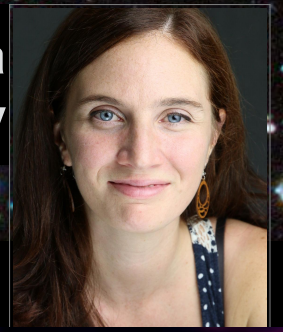
Astro Grad Courses:

5698 Radiative Processes
6710 Stars and Compact Objects
6720 Galaxies and the Interstellar Medium
6730 General Relativity & Cosmology
6740 Advanced Methods in Astrophysics

Research Areas

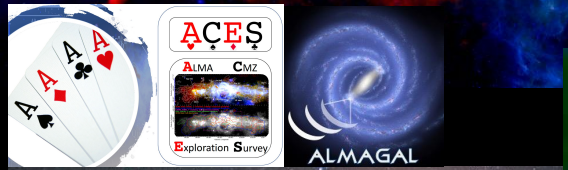
- **Star Formation**
- Galaxy Formation & Evolution
- Supermassive Black Holes

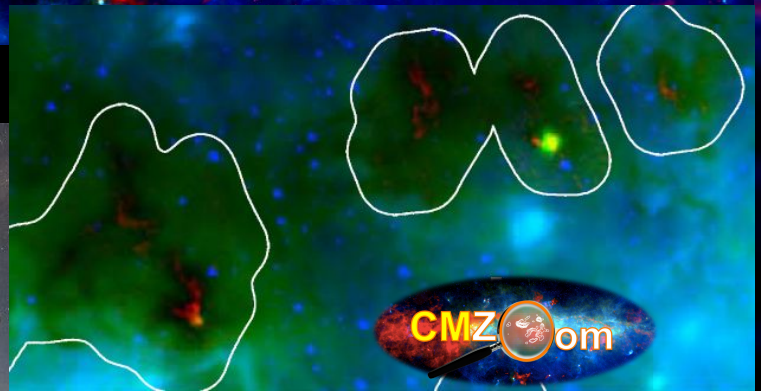
Prof. Cara Battersby

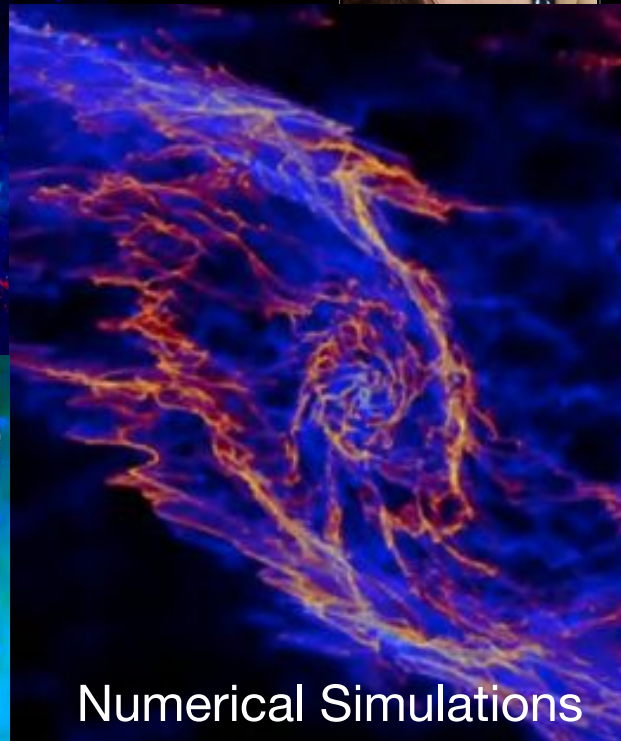


Extreme Star Formation in our Galaxy's Center

by Comparing Observations and Simulations







Numerical Simulations

Research Areas

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Prof. Chris Faesi

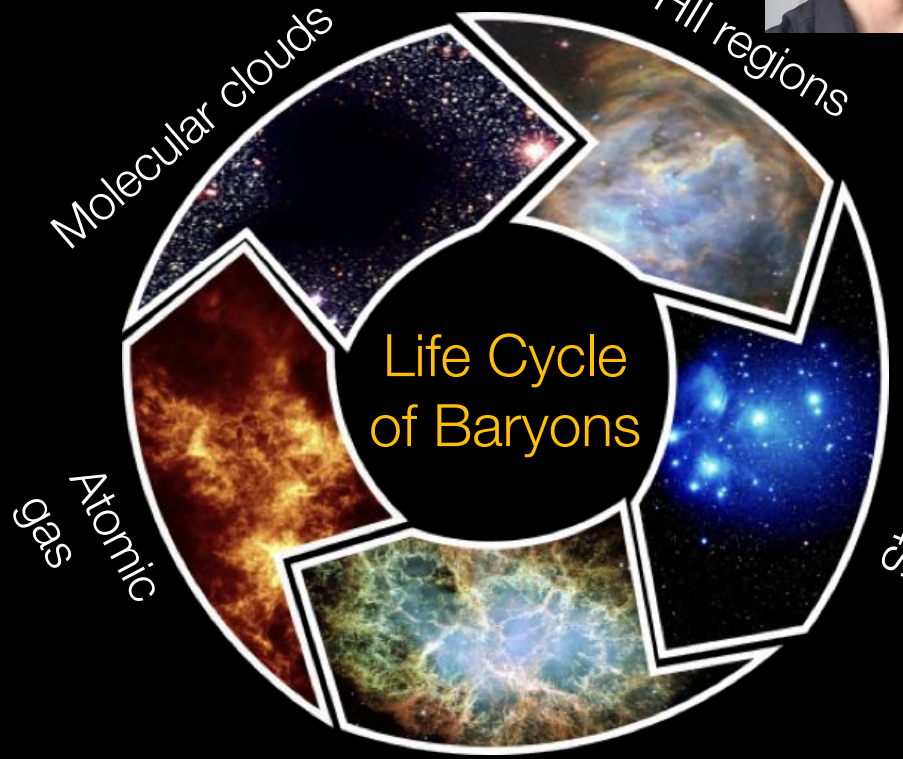
The matter ecosystem within galaxies: from gas to stars

PHANGS

James Webb Space Telescope JWST NASA • ESA • CSA

ALMA

muse



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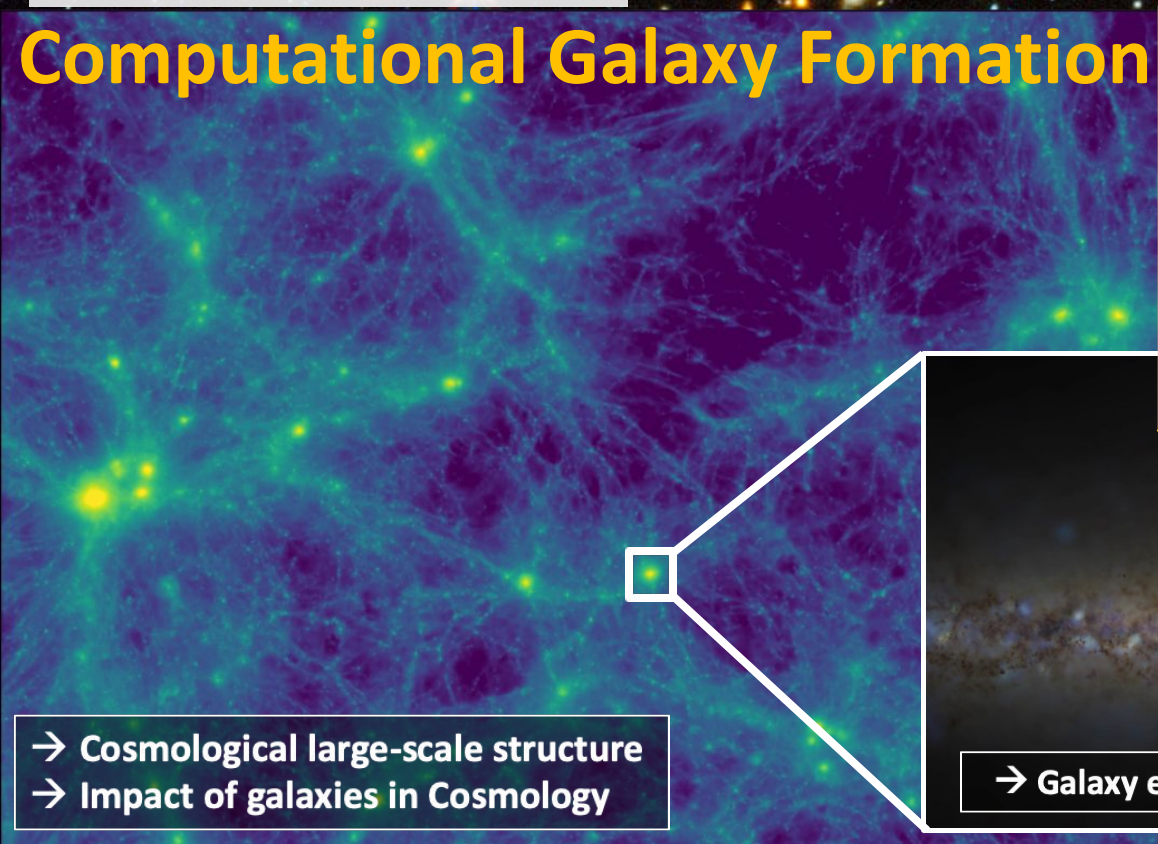
- **Supermassive Black Holes**

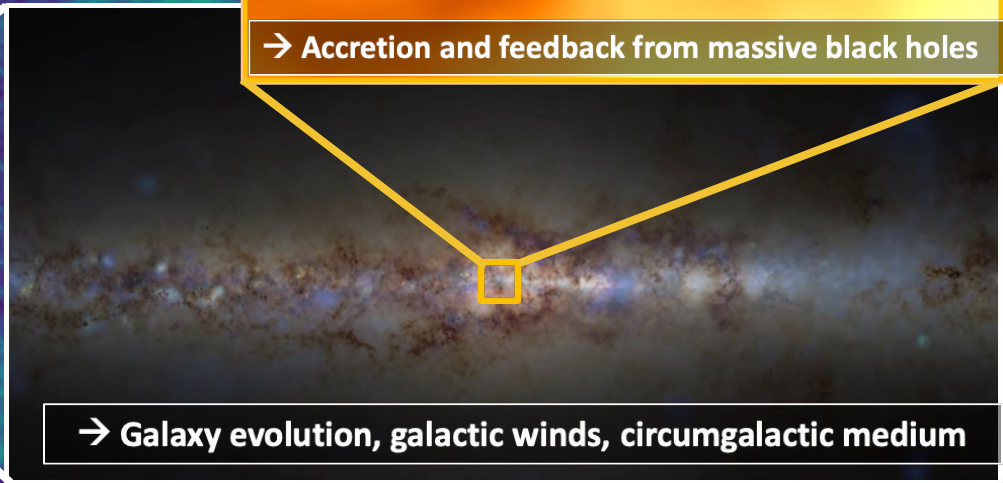
Prof. Daniel Angles-Alcazar

Computational Galaxy Formation at UConn

→ Accretion and feedback from massive black holes



→ Cosmological large-scale structure
→ Impact of galaxies in Cosmology



→ Galaxy evolution, galactic winds, circumgalactic medium

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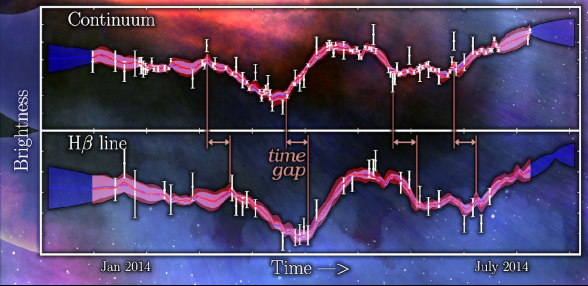
Prof. Jon Trump

Light Echo Mapping of Supermassive Black Holes

Leadership in CEERS, SDSS-V



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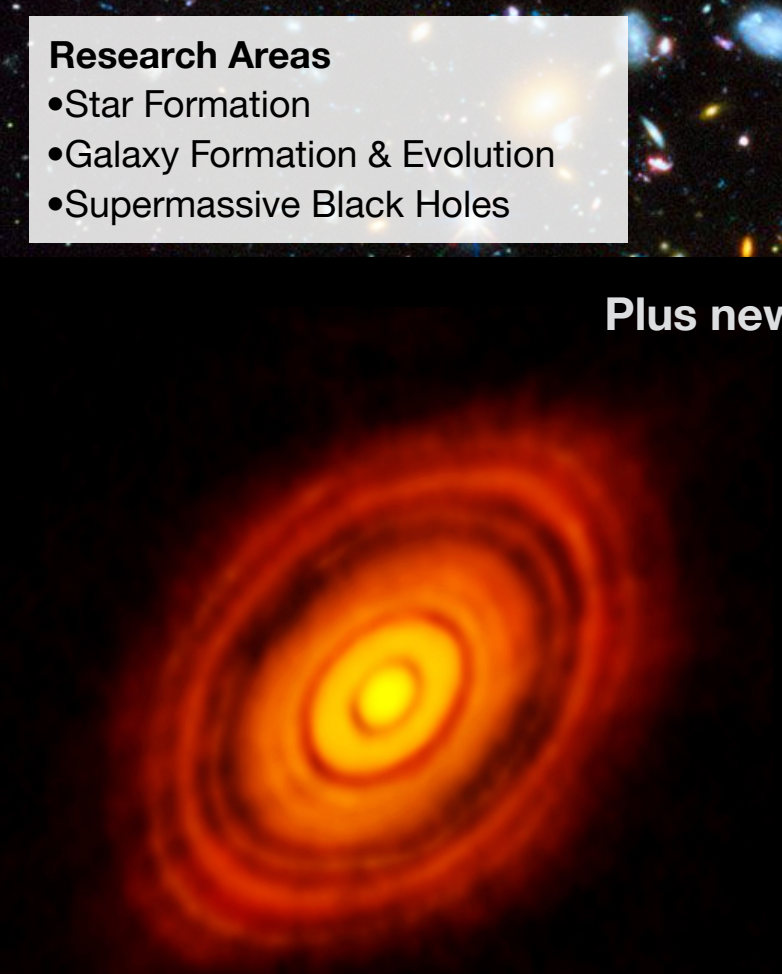
Plus new faculty, coming soon…



HL Tauri (ALMA)

M87 black hole (EHT)

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