



17th JANUARY 2025

JWST AND SPACE TELESCOPES

(Due to limited parking, please limit your visit to 2 hours)

• Research Talks

Talks are located in the Café space on the right from the main entrance. There is no need to book a place just turn up and take a seat 5 minutes before the talk is due to start. Each talk will last approximately 30 minutes followed by time for questions.

1. 18:45- "JWST Quiz"

Maddie Silcock

Join us for a fun 15-question quiz about the famous and extraordinary telescope: JWST! All are welcome regardless of prior JWST knowledge, and we hope you leave not only having had fun, but also knowing a little more about this magnificent astronomical flagship mission.

2. 19:45- "Exploring the earliest galaxies with JWST"

Dr. Emma Curtis Lake

JWST can see further back in time than any other telescope. We're searching for the first stars and galaxies that formed in the Universe. I will talk about how and why they're different to the stars and galaxies we see nearby, and what we've learned so far!

3. 20:45- "Exploring Star & Planet Birth with the JWST"

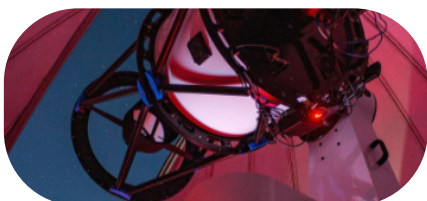
Dr. Mike Kuhn

This talk is about how the James Webb Space Telescope (JWST) uses infrared light to study star and planet formation, penetrating gas and dust clouds. Spectroscopy reveals water and organic molecules in protoplanetary discs, while images capture gas jets, eroded discs, and stellar eruptions. These insights deepen understanding of star and planet formation and our solar system's origins.

• Telescopes

The telescopes are a short walk from the main building on a paved, level path. Exit the doors at main reception, turn left and follow the lit path. Please stay on the path.

Once you are at the telescopes, you may enter any dome that has its door open to view and, weather permitting, look through our telescopes with guidance from our astronomers..



• Planetarium Shows

Shows will be taking place throughout the evening in our two domes. You can book your spot at reception. One is located in our lab to the right of reception and the indoor planetarium is upstairs at the end of the corridor. Please arrive a few minutes early for your show and queue outside. If you miss your show, we cannot guarantee you a place in another.



Please do not take food or drink into the planetariums or telescope domes.

• Activities & Demos

Follow the upstairs corridor to find a selection of activities and demonstrations lead by astrophysics students and members of the Hertford Astronomy Group. Including:

- Make-a-Comet: See how we can build comets here on Earth.
- Explore how infrared cameras work, just like the one on the JWST
- Experience how infrared light is used in Space.
- Make a Straw Ariane 5 Rocket: Do you have what it takes to be an aerospace engineer and design, build and launch a rocket with the JWST inside? ...and much more!

Toilets

The accessible and men's toilets are on the ground floor and the women's are at the top of the stairs. There is an accessible toilet at the telescopes.