

Bayfordbury Open Evening

(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.

18:30 "Eruptive Variability of Protostars: Uncovering Some of Mysteries of Star Formation with the Infrared"

Dr Calum Morris

In this talk, we'll delve into the intricacies of short-lived, high-energy events that help build stars and solar systems, through the lens of infrared imaging and spectroscopy. We'll examine data from the NEOWISE satellite, shedding light on newfound behaviors exhibited by the youngest protostars in the Cygnus region.

19:30 "Exploring Alien Atmospheres with JWST"

Dr. Ben Burningham

JWST is revealing spectacular new details of the atmospheres of worlds beyond our solar system. Ben Burningham will delve into the details of the some of the most exciting results including alien weather, exotic clouds and new discoveries that are stretching our understanding of atmospheric physics.

20:30 "The Quantum Universe"

Professor Sean Ryan

Quantum physics is sometimes considered the physics of the very small, while astronomy is regarded as the science of the very large. However, many of the processes in stars are governed by quantum effects, and without them, the universe would be a very different place. This talk explains the role of quantum physics in the universe we inhabit.

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 indoor planetarium or telescope domes.

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.



Activities & demonstrations

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

JWST zone: Learn all about the wonders of the most ambitious space telescope humanity has ever built and do some fun activities!

Asteroid Rocks: *Have a chance to hold in your hand's rocks from outer 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.