

# TUESDAY TALKS/DwD: TT26

## Week 1: AI Has Transformed Weather

### Forecasting – Will It Do the Same for Climate Prediction?

**Tuesday 28 April**

The rapid transformation of weather forecasting by AI has taken even experts by surprise. Every weather forecasting centre in the world is transitioning to AI based forecasts – or trying to catch up with the ones who already do. But will it do the same for climate prediction? And if it did, how would we know it's right?

In this lecture, Reuben Fellow, Prof Philip Stier, will explore the exciting opportunities and challenges that come with the transformation of climate science by AI, focusing on clouds, which remain one of the biggest uncertainties in climate predictions.

## Week 2: Student Takeover

**Tuesday 5 May**

Join us for presentations from our own Reuben students on their varied research projects. Details on the topics and presenters to follow.

## Week 3: Can Virtual Reality Help Treat Psychosis?

**Tuesday 12 May**

Psychosis can profoundly affect how people think, feel, and experience the world. Often beginning in adolescence, it can have lifelong impacts. Better treatments are needed. Working together with people with lived experience, new psychological approaches combine cognitive theory with digital tools to help people feel safer, happier, and re-engage with everyday life.

Reuben Fellow, Dr Felicity Waite, will explore recent innovations in psychological treatments for psychosis, including how virtual reality is opening up new possibilities for treatment.



## **Week 4: Responsible AI for Human Flourishing**

**Tuesday 19 May**

What does it mean to have 'Responsible AI'? And what happens when AI intersects with a marginalised identity like disability? [Dr Denis Newman-Griffis](#) will unpack the shifting meanings and everyday practices of Responsible AI through the relationships between AI, data, and disability.

This talk will explore how we develop and test AI systems, the insights that critical analysis reveals about AI and disability justice, and how social research can shape responsible use of AI in disability policy. Dr Newman-Griffis will share lessons and emerging impacts from international research and policy work in this rapidly changing space.

## **Week 5: Extinction of the Sick-Care Dinosaurs**

**Tuesday 26 May**

Pharmaceuticals, medical technology, and health services are industries dominated by 'dinosaurs'. Collectively, the sick-care body is too big for the brain to control.

As a society, we invest ever more money in diagnose-and-treat rather than predict-and-prevent. Could the exponential rise of artificial intelligence be the asteroid impact that fundamentally alters the landscape? Visiting Fellow, [Dr George Savage](#), explores.

## **Week 6: The Science of Resilient Aging: AI, Cancer, and Immune Health**

**Tuesday 2 June**

The science of aging is being transformed, and as boundaries between disease disciplines begin to blur, researchers are connecting cancer, dementia, and immune health through shared biology. From studies of extreme healthy agers at single-cell resolution to cohort analyses of disease risk and long-term resilience, these approaches are offering new insight into why some people remain healthier for longer.

This talk, by Dr Philip Awadalla (Reuben Fellow) explores how this emerging science could reshape early detection, prevention, and healthier aging.



## **Week 7: Environmental Health: What a Changing Environment Means for Your Mind**

**Tuesday 9 June**

Researchers are learning what many cultures have known for a long time: we are deeply interconnected to and influenced by our environments. In this session, Dr Emma Lawrance (Reuben Fellow) will share her research, including conversations with thousands of people globally, on the interconnections between our climate and mental wellbeing.

Come and explore what climate psychology is learning about the ways our minds can shape the world, and consider how to strengthen our own wellbeing in a changing world.

**Week 8: TBC**

**Tuesday 16 June**

This Tuesday Talks/DwD evening is still being finalised. Keep an eye out in the College newsletter this term for updates.