



Oriël College  
University of Oxford



Oriël College  
Middle Common Room

# Oriël Talks

## Breaking Biomedical Boundaries

20 February, 2023

6-7pm in the Harris Lecture Theatre,  
Oriël College, Oxford



### Magdalena Drozd

#### Epigenetics – why DNA is not the answer

All cells in our bodies share the same genetic code – so how does an eye know to be an eye and not a kidney? And why is this relevant to cancer? I will talk about how epigenetics shapes our cells and tissues, and what happens when it goes wrong.



### Nile Verleur

#### MultiOMICs – The new age of human based modelling

OMICs is a rapidly evolving, multi-disciplinary field that offers unique insights into human function during health and disease. My talk will define the different types of OMICs, the importance of human-based modelling, and the diverse applicability of MultiOMICs from rare disease research to vaccine development.



### Claire Bergstrom Johnson

#### Punishable by death – hunting for immunological traitors in a deadly autoimmune neuropathy

Guillain-Barré syndrome (GBS) and its chronic form, CIDP, are a collection of rare, heterogeneous neurological diseases in which the immune system attacks the peripheral nerves, causing paralysis and sometimes death. I will discuss the recent identification of a related but clinically distinct, highly fatal ‘pan-neurofascin nodopathy’ by our group at Oxford and my work to elucidate the underlying immunopathology of this disease.