



**SUMMER  
SPRINGBOARD**  
Look Inward. Go Upward.

# Immunology Infosheet

New student admissions for  
Summer 2023 are open.



## Program Highlights

- Learn about the principles of immunology and immunopathology in Oxford, UK exactly where Astrazeneca vaccine was developed
- Discover the structure, functions, and capabilities of immune cells, tissues, and organs
- Gain a better understanding of the molecular and cellular interactions and principles of the immune system
- Explore the best practices to develop a more resilient immune system
- Analyze immune system development, humoral & cell-mediated immunity, disease and treatments involving immunization, immunodeficiency, and autoimmunity
- Explore modern research tools and techniques
- Recognize the difference between the four types of immunity
- Identify the difference between immune disorders and autoimmune diseases
- Understand and explain the basis of allergy and allergic diseases
- Explain, compare and contrast the key mechanisms and cellular players of innate and adaptive immunity and how they relate



## Academic Program Overview

Concerned about viruses and the impact they have on your immune system? Questioning how to reduce the severity of infections and interested in finding treatments for patients with immune system disorders? Discover more about the structure, functions, and capabilities of immune systems, and learn how immunologists can improve animal and human survival. Learn first hand how immunology has led to key advancements in medical care, including vaccination and cancer immunotherapy.



## Excursions

Students will have the opportunity to welcome and engage with guest professional speakers such as scientists and immunologists involved in research teams on the immune system and infectious diseases. Students will also participate in hands-on experiences by visiting labs, as well as participate in their workshops.



## 2023 Dates

### OXFORD

- Session 1: July 9 - July 21
- Session 2: July 23 - August 04

# Instructor

## Dr. Adam Ritchie

Dr. Adam Ritchie is the curriculum and course advisor for our Immunology program in Oxford. He is a vaccine developer and academic at the University of Oxford. Adam played a key role in the development of the Oxford-AstraZeneca COVID-19 vaccine, which saved over 6 million lives in 2021. He is currently working on vaccines to respond to the Ebola outbreak in Uganda, and to address the global burden of rabies and Epstein-Barr Virus.

Adam studied medical microbiology and immunology as an undergraduate, before completing a PhD in immunology at the University of New South Wales, Australia. He moved to the University of Oxford in 2005, and has done research on diseases such as HIV/AIDS, malaria and COVID-19, as well as working on policy, teaching and admissions. He has taught thousands of graduate, undergraduate and visiting students at Oxford.

Adam completed a Post-Graduate Diploma in education in 2013, and has been awarded a Teaching Excellence Award by the University of Oxford. A key aspect of Adam's research is the translation of science and research into positive impacts on people's lives. At the moment, this involves developing and manufacturing new vaccines, designing and carrying out clinical trials, analyzing vaccine safety and efficacy, and developing processes to help get great academic research out of the lab and to those who can benefit from it most.



## Course Structure

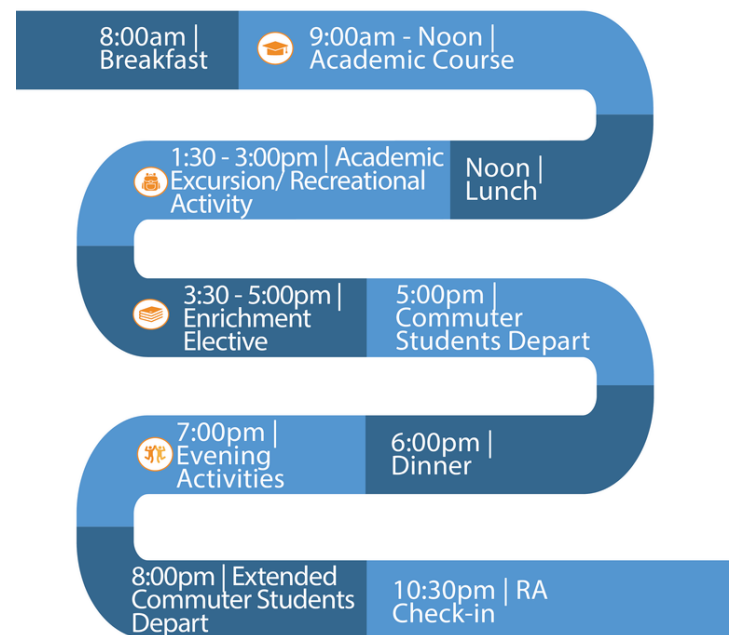
There are nine 3-hour class sessions over the two-week course. During week one, students have class from 9am-12pm, Monday - Friday. During week two students have class from 9am-12pm Monday through Thursday. Wednesday afternoons are dedicated to additional academic time (excursions, speakers).

## Instructors

[Dr. Adam Ritchie - See Complete Bio Here.](#)



## Typical Schedule



## Tuition Information:

### Residential Students:

- Includes: all meals, lodging, excursions, academic course, weekend excursions
- Excludes: optional airport pickup and drop off service (available for an additional fee)
- Price: \$5,998

### Commuter Students:

- Includes: lunch, academic course, excursions, programming from 9am to 5pm, Monday-Friday
- Excludes: lodging, breakfast, dinner, weekend excursions
- Price: \$3,098

### Extended Commuter Students:

- Includes: lunch, dinner, excursions, academic course, programming from 9am to 8pm, weekend excursions
- Excludes: lodging, breakfast
- Price: \$3,698

## Supplements:

- Application fee: \$99 (mandatory, non-refundable)

More info on [Airport Transfer](#)

More info on [Unaccompanied Minor Service](#)

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