

# ELLIS Manchester

## Summer School on Machine Learning for Healthcare and Biology

11-13 June 2024  
[ellismcr.slack.com](https://ellismcr.slack.com)

<b>Tuesday 11 June</b>		
0800	Registration (coffee and tea provided)	
0850	Welcome	Magnus Rattray Mauricio A Alvarez Lopez
0900	Machine learning for healthcare and biology	Mihaela van der Schaar (University of Cambridge)
1030	Break	
1100	Introduction to gaussian processes	ST John (Finnish Center for Artificial Intelligence, Aalto University)
1230	Break	
1330	Deep generative models	Jose-Miguel Hernández-Lobato (University of Cambridge)
1500	Break	
1530	Causality: from statistics to foundation models	Cheng Zhang (Microsoft Research)
1800	Networking Dinner at The Wharf	



<b>Wednesday 12 June</b>		
<b>0900</b>	Machine Learning for Healthcare	Danielle Belgrave (GSK)
<b>1030</b>	Break	
<b>1100</b>	Machine Learning for Computational Phenomics and In-Silico Trials	Alex Frangi (The University of Manchester)
<b>1230</b>	Break	
<b>1330</b>	Causality & Generative Models	Fabio De Sousa Ribeiro (Imperial College London)
<b>1500</b>	Break	
<b>1530</b>	Machine learning for therapeutic development	Dennis Wang (Imperial College London and A*STAR Singapore Institute for Clinical Sciences)
<b>1715</b>	Poster session in the Schuster Building Foyer	



<b>Thursday 13 June</b>		
0900	Machine Learning Applications in Drug Development	Tom Diethe (AstraZeneca)
1030	Break	
1100	Causality-inspired generative modelling for single-cell genomics	Hananeh Aliee (Sanger Institute)
1230	Break	
1330	Machine learning for genomics	Luisa Cutillo (University of Leeds)
1500	Break	
1530	Sequence-based modelling	Julien Gagneur (Technical University of Munich)



The University of Manchester



ellis  
European Laboratory for Learning and Intelligent Systems

# ELLIS Unit Manchester

## Unit Members

## Unit Director



Magnus Rattray  
Fellow



Mauricio A. Álvarez López  
Member



Sophia Ananiadou  
Member



Gavin Brown  
Member



Alejandro Frangi  
Member



Julia Handl  
Member



Samuel Kaski  
Fellow



Jonas Latz  
Member



Claudia Lindner  
Member



Tingting Mu  
Member



Anirbit Mukherjee  
Member



Wei Pan  
Member



Theodore Papamarkou  
Member



Niels Peek  
Member



Matthew Sperrin  
Member



Mingfei Sun  
Member

# ELLIS Units

Join ELLIS:

[ellis.eu/members](http://ellis.eu/members)

