

IMPERIAL LATES

#ImperialLates

Key to events

-  Map reference
-  Pre-registration required
-  Time-specific event

PLANNING TO ATTEND A TALK?

See below to help you plan. Our talks are first come first served, apart from 'Infectious diseases outbreaks'. All of our other activities are drop in.

1 **Talk**  

Infectious diseases outbreaks: how do we decide what to do?

Dr Christina Atchison, Dr Leigh Bowman, Dr Anne Cori, Dr Katharina Hauck, Dr Karthik Paranthaman

18.45–19.45 **Pre-registration required**

Far from a zombie apocalypse or ambiguous news story, what really goes on in an infectious disease outbreak? Join the discussion with our scientists spanning health economics, clinical practice, field research and statistical modelling for a unique perspective and discussion.

2

Infectious Arcade

Department of Infectious Disease, School of Public Health and National Heart and Lung Institute

Bring out your inner child with our Infectious Arcade filled with well-known games with a scientific twist.

- Pandemic Potential
- Dicing with Death
- Antibiotic Arms Race
- Modern Medicine Jenga
- Play Your Cards Right
- Antibiotic Amnesty
- Infectious Pledge Wall
- Red or Dead Roulette
- Cast your vote: causes of Antimicrobial Resistance



4 **Exhibit**

Blood and guts

Department of Medicine

Why having more bacteria than human cells in your body helps us fight infection.

5 **Exhibit**

Genome squatters: human retroviruses

Department of Infectious Disease

HTLV inserts itself into our DNA, causing disease decades later. What happens in between and how can we stop it?

6 **Exhibit**

Don't swat that fly!

Department of Life Sciences

They're more than just annoying pests, check out our fruitfly pinball and explore how we're learning from them.

7 **Exhibit**

Fungal hunters

School of Public Health

Fungi affect human, animal and plant health - and threaten global food security - yet they receive much less attention than bacteria, viruses and parasites. Find out what Imperial's Mycology group are doing to change that!

8 **Exhibit**

Dr Dog

National Heart and Lung Institute, Medical Detection Dogs, Cystic Fibrosis Trust

Meet the sniffer dog trained to detect bacteria which cause lung infections in cystic fibrosis patients.

Please note a dog will be present at the event.

9 **Exhibit**

Lates Infectious Control

NIHR Health Protection Research Unit in Modelling Methodology, MRC Centre for Global Infectious Disease Analysis

Get given a QR code by a stranger? You've been 'infected'! Head here to get the 'remedy', 'infect' others and watch it spread across the Lates!

10 **Exhibit**

Sensors and Sensibility

Departments of: Bioengineering, Chemistry, Electrical and Electronic Engineering, Infectious Disease and Centre for Antimicrobial Optimisation.

We're all unique, so why would we be given the same dose of antibiotics? Come along to test a biosensor which monitors antibiotic levels in real time.

11 **Exhibit**

Smart Surfaces

Department of Infectious Disease, Imperial College Healthcare NHS Trust, and Department of Chemical Engineering

We are at the start of a journey to develop 'smart surfaces' to tackle superbugs in healthcare environment (e.g. bedrails, computer keyboards). We need your help to guide our research priorities and develop these smart surface technologies.

12 **Exhibit**

Origami Outbreak

National Health and Lung Institute, Tina Luo

What happens inside our lungs when a flu virus attacks? Join researchers to fold and model a beautiful origami immune response, and find out about the fascinating processes of infection, immunity and vaccination.

13 **Talk** 

The front line against infectious disease

18.30–19.00

Dr Céire Costelloe

Can we fight infectious disease with data?

19.15–19.45

Dr Ellie Sherrard-Smith

Stories from the fight against Malaria in Africa

20.00–20.30

Dr Andrew Hammond

We could wipe out Malaria right now. Here's how.

14 **Performance** 

Mrs X

NIHR Health Protection Research Unit in Healthcare Associated Infections and Antimicrobial Resistance, Theatre of Debate and Nicola Baldwin

19.30–20.30, first come first served

Join us for superbug inspired theatre, exploring the stories of Dr Alexander Fleming and a modern day London hospital and it's patients. Following the performance, discuss the issues raised with the actors and Imperial antimicrobial resistance researchers.

15 **Exhibit**

Malaria Area

Curated by Imperial's Malaria Network

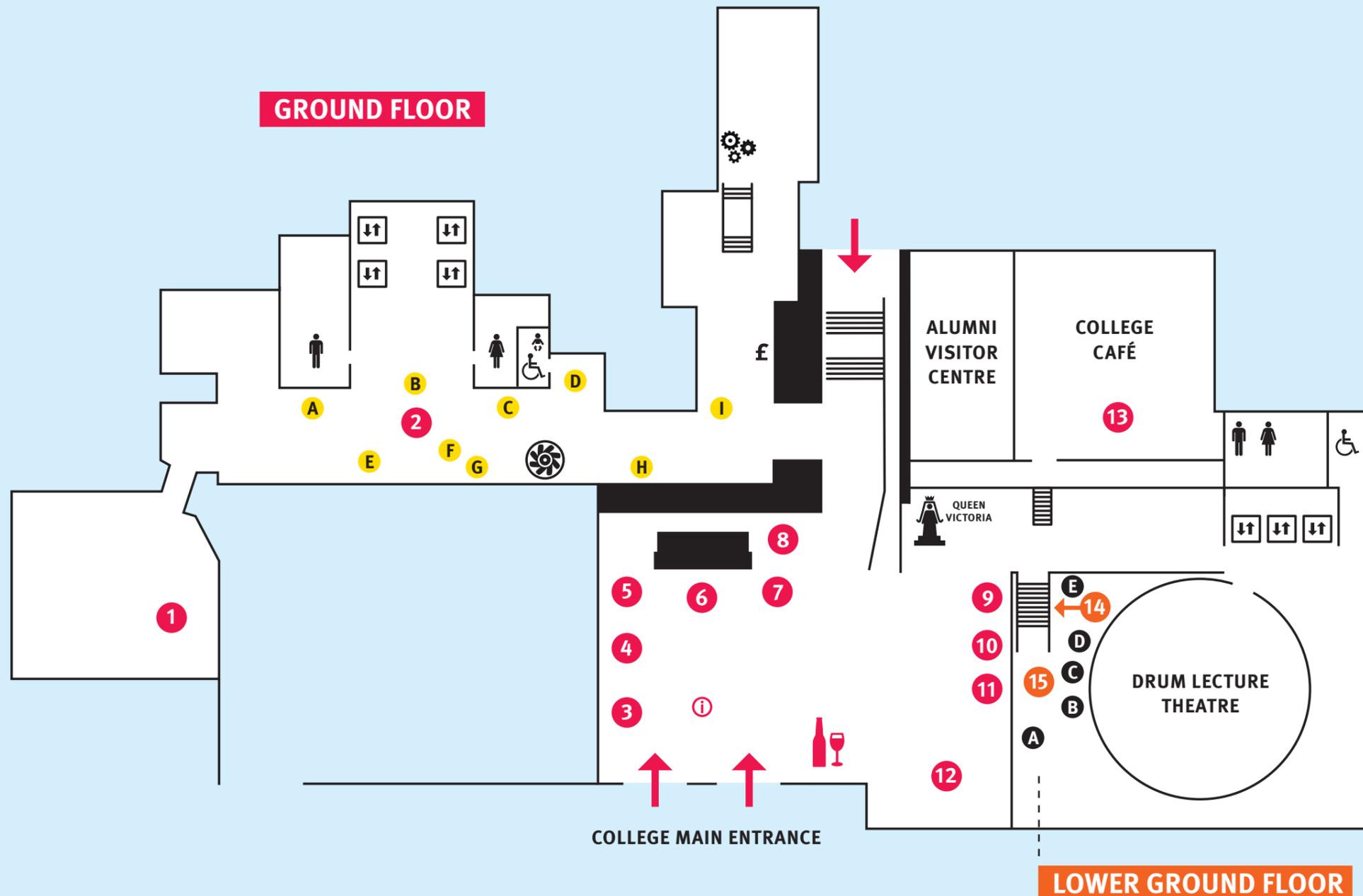
Immerse yourself in our malarial jungle for one night only! Journey through the malaria parasite's journey through humans and mosquitoes, become a malaria researcher and help us answer key questions to control the disease.

3 **Exhibit**

Need for speed

Department of Electrical and Electronic Engineering

Discover how microchips can image DNA to diagnose infectious diseases in minutes



GROUND FLOOR

- 1 Infectious diseases outbreaks: how do we decide what to do?**
🕒 18.45–19.45
- 2 Infectious Arcade**
 - A** Pandemic Potential
 - B** Dicing with Death
 - C** Antibiotic Arms Race
 - D** Cast your vote: causes of Antimicrobial Resistance
 - E** Modern Medicine Jenga
 - F** Play Your Cards Right
 - G** Antibiotic Amnesty
 - H** Infectious Pledge Wall
 - I** Red or Dead Roulette
- 3 Need for speed**
- 4 Blood and guts**
- 5 Genome squatters – human retroviruses**
- 6 Don't swat that fly!**
- 7 Fungal hunters**
- 8 Dr Dog**
- 9 Lates Infectious Control**
- 10 Sensors and Sensibility**
- 11 Smart Surfaces**
- 12 Origami Outbreak**
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LOWER GROUND FLOOR

- 14 Mrs X**
🕒 19.30–20.30
- 15 Malaria Area**
 - A** The human side of Malaria
 - B** Lab selfie booth
 - C** Malaria at Imperial
 - D** How tasty is your blood?
 - E** Parasite pursuit

Key:

- | | | |
|------------------------|---------------------------|------------------------|
| 1 Lates listing | Pre-registration required | Lift |
| Information desk | Time-specific event | Cash machine |
| Bar | Stairs | Toilets |
| | | Baby changing facility |

Tell us what you think! We want to make sure these events work for you – tell us what you like and what you don't

bit.ly/InfectiousEval

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