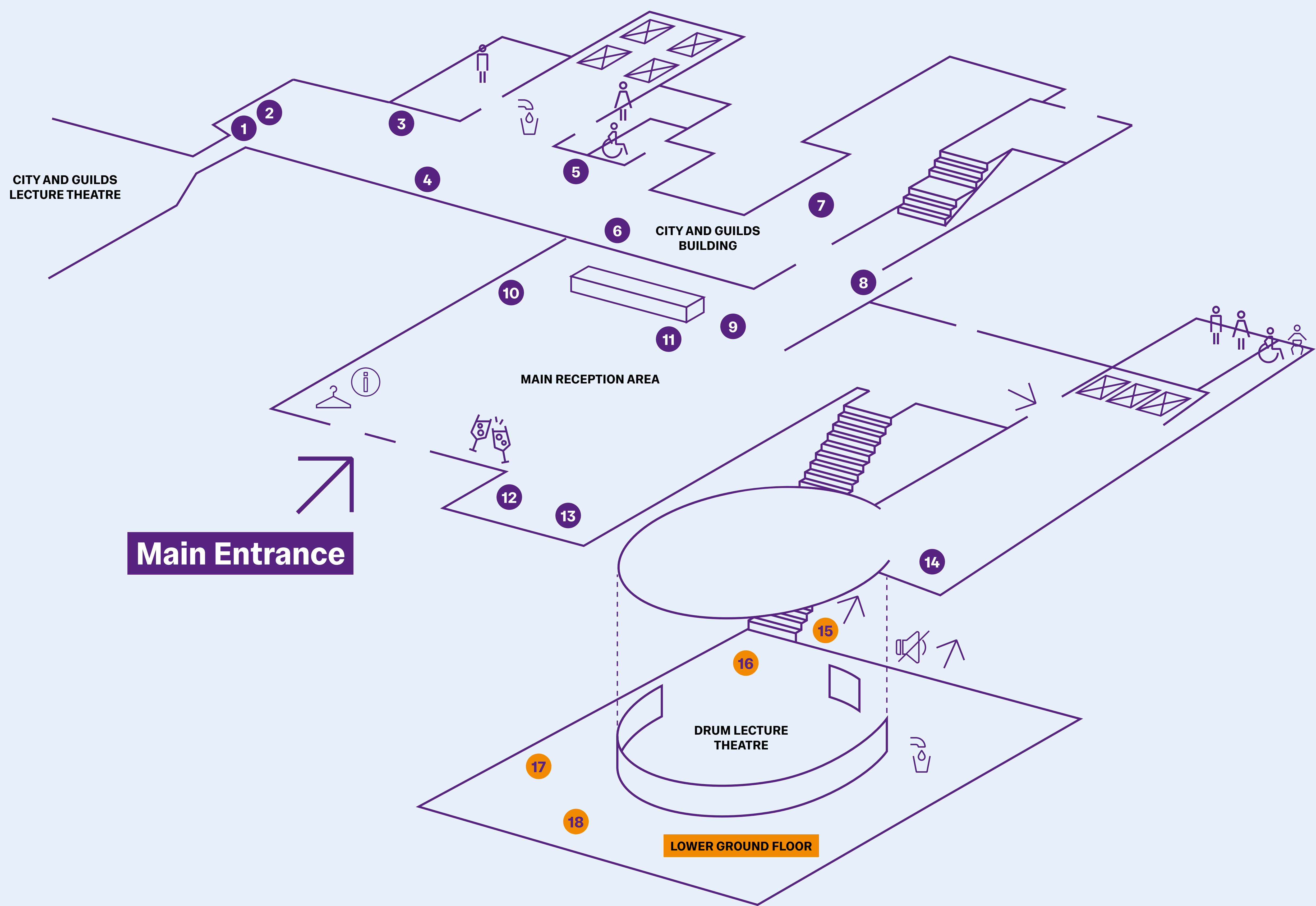


Imperial Lates Robots

X @ImperialSpark
#ImperialLates



Key

Baby changing facility

Bar

Calm space

Coat rail

Event listing

Information point

Lift

Toilets

Water fountain

Talks

- 1

Robot Talk: Love, sex and robot companions
18.40–19.25
- 2

What my robot taught me about being human
20.00–20.40
- 14

Rapid-fire robot talks

18.45–19.05: Why are we making a robotic sea turtle? (Luke Muscutt)

19.30–19.50: An unexpected journey: becoming a nanorobotics engineer (Julia Camacho Wejbrandt)

20.25–20.45: Flexible fibre bots for safer surgery (Louis Van der Elst)
- 15

Plant-powered robots
19.05–19.30 and 19.55–20.20

Workshops

- 7

Lego robot city
- 13

Make a body bot
- 18

Your AI hopes and fears lab

Exhibits

- 3

RoboDoc: robots and radiation in healthcare
- 4

Building intelligence into the body
- 5

Robots in space
- 6

DIGIBAT – the lab that learns
- 9

Underwater robots
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RoboFootball
- 11

Robotic cell painting
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Flexible fibre bots
- 16

The continuous popcorn making machine
- 17

Talk to me, robot

Tours

- 8

Rough sea robotics

Spaces

- Calm space**

Talks

1

Robot Talk: Love, sex and robot companions
Robot Talk podcast and various speakers

Talk will run 18.40–19.25

How will robots and AI shape our future relationships? Join Robot Talk host Claire Asher and guests to explore the social and ethical implications of social robots – from platonic companions to intimate partners – and what they could mean for the future of relationships and our society.

2

What my robot taught me about being human
Morph Lab, Dyson School of Design Engineering

Talk will run 20.00–20.40

Explore how robotics is challenging our ideas about the body, intelligence and where the individual ends and the wider world begins.

14

Rapid-fire robot talks
Dip your toes in the future of robotics with these short talks

18.45–19.05: Why are we making a robotic sea turtle? (Luke Muscutt)

19.30–19.50: An unexpected journey: becoming a nanorobotics engineer (Julia Camacho Wejbrandt)

20.25–20.45: Flexible fibre bots for safer surgery (Louis Van der Elst)

15

Plant-powered robots
Isabella Fiorello, Department of Life Sciences

Talks will run 19.05–19.30 and 19.55–20.20

Watch a tiny plant-inspired robot move without motors or batteries and discover how nature is shaping the future of robotics.

Workshops

7

Lego robot city
Using Lego, build a robot and contribute to a growing city over the evening as more visitors join in.

13

Make a body bot
Woo Jin Joo, Textile Artist and the Department of Metabolism, Digestion and Reproduction
Make a unique soft body bot with textiles, then create a simple pulley to bend, move and bring your robot to life.

18

Your AI hopes and fears lab
The Kavli Centre for Ethics, Science, and the Public

Join a pop-up conversational experiment where you and Imperial scientists talk through your hopes and fears around the use of artificial intelligence in anything from creativity to health research.

Exhibits

3

RoboDoc: robots and radiation in healthcare
Imperial College London’s Department of Chemistry, Biomedical Engineering and Imaging Sciences Department, King’s College London

How would you feel about a robot doing surgery on you? Put your skills to the test by controlling a robot to play a version of the classic game Operation.

4

Building intelligence into the body
Morph Lab, Dyson School of Design Engineering

Try hands-on demonstrations that reveal how robot bodies, not just robot brains, help machines move, learn and adapt.

5

Robots in space
Imperial Planetary Robotics Team

Meet the Imperial students building a Mars Rover. Try out the robot arm and learn all about the complexities of building robots.

6

DIGIBAT – the lab that learns
Department of Chemical Engineering

What if a lab could run its own experiments and learn from the results? Mix a colour and watch as AI and robotics work together to recreate it, learning from each attempt.

9

Underwater robots
Imperial College London’s Hydrodynamics Laboratory

Meet FLIP, the world’s first scientifically accurate plesiosaur robot and hear all about how Imperial are building autonomous robots that can swim in extreme seas.

10

RoboFootball
First Order Robotics

What happens when robots play football – entirely on their own? Watch robots play football live where every pass, tackle and shot is decided in real time by AI.

11

Robotic cell painting
Drug Discovery Hub & Tate group, Department of Chemistry

Come along and try your hand at being a scientist. Conduct your own Cell Painting experiment, challenge yourself to analyse the results, and see if you can compete with the robot!

12

Flexible fibre bots
Department of Metabolism, Digestion, and Reproduction

Discover how tiny, flexible robotic fibres can help surgeons perform complex operations with greater precision and control, using smaller instruments and less invasive techniques.

16

The continuous popcorn making machine
TurboPOP, Department of Chemical Engineering

Enjoy your favourite cinema snack made by TurboPOP, the autonomous popcorn machine powered by artificial intelligence.

17

Talk to me, robot
Pair Lab, I-X Imperial

Team up with friends or other visitors to play a word-guessing game where the game master is a robot!

Tours

8

Rough sea robotics
Imperial College London’s Hydrodynamics Laboratory

Go behind-the-scenes on a guided tour of the Laboratory to witness extreme three-dimensional waves and cutting-edge marine robotics.

Tours last around 30 minutes and do not have step-free access. Spaces are limited and assigned first-come first-served. Sign up at stand 9.

Spaces



Calm space

Need to decompress? Take a break in our calm space whenever you’d like to rest or recharge, including colouring sheets, eye masks and ear defenders.