## Great Exhibition Road Festival

**4–5 July 2020**

Explore the extraordinary at this free celebration of science and the arts in South Kensington. Returning for a second year, join us as Exhibition Road and beyond is transformed for an unmissable weekend of hands-on activities, creative workshops, talks, performances and much more.

'It was super festive and fun. I really enjoyed myself. It just had a great carnival atmosphere.'

**Latest events direct to your inbox!**

The Imperial Lates series offers just a glimpse into the exciting programme of events that Imperial hosts throughout the year. Fancy joining us for another lecture, concert or exhibition?

Sign up for our newsletter and you'll never miss out again!

**imperial.ac.uk/whats-on/ events-signup**

**imperial.ac.uk/Festival/Lates**

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🐦 **#ImperialLates**

**Imperial College London**

# IMPERIAL LATES

**Thursday 12 March 2020**
**18.00–21.00**

# BEAUTIFUL DATA

**Data, data everywhere but perhaps we should stop and think?**

**#ImperialLates**

# IMPERIAL LATES

## #ImperialLates

**From earwigging AI assistants and cybercrime mysteries, to the security of NHS patient records, dive into our world of data.**

**1** *Talk*

### Patient data and privacy in the NHS

Yves-Alexandre de Montjoye, Imperial; Stephen Docherty, Microsoft; David Evans, NHSX; Ceire Costelloe, Imperial

*18.30–19.30*  Pre-registration required

*Find out if we can leverage the awesome power of data to revolutionise healthcare and medicine without putting the information we consider most private at risk.*

**2** *Exhibit*

### Gamifying our understanding of eating behaviour

Dasha Nicholls and Victoria Burmester, Department of Brain Sciences

*Play computer games to win tasty snacks as you explore unique data collection approaches employed to investigate thoughts and behaviours around food.*

**3** *Exhibit*

### The wearable neurologist

Balasundaram Kadirvelu, Department of Computing

*Watch an intelligent, movement tracking bodysuit collect data on how we move to help doctors spot signs of muscular dystrophy.*

**4** *Exhibit*

### Digital Lego hospital

Estera Boncea and Kate Honeyford, School of Public Health

*Move Lego people around a tiny Lego hospital to discover how digitally tracking patient records can help us prevent the spread of hospital infections and catch sepsis early.*

**5** *Exhibit*

### Digital Energy in Wattown

Energy Futures Lab

*Enter our imagined model town of the near future where an intelligent energy grid utilises data to optimise green energy supplies even on cloudy, windless days.*

**6** *Exhibit*

### My environment, my health – what maps tell us

Daniela Fecht, School of Public Health

*Explore how your local area might impact on your health using interactive maps of potential pollution hot spots.*

**7** *Exhibit*

### Digital detectives

Erisa Karafili, Department of Computing

*Discover your inner Sherlock Holmes and hunt for criminal hackers on the run with a cyber-defending computer scientist.*

**8** *Exhibit*

### Computer vision and image recognition

Roy Miles, Department of Electronics and Electrical Engineering

*Upload your favourite pics to our evolving digital collage and explore the latest developments in deep learning and computer vision.*

**9** *Exhibit*

### Could AI help us spot Fake News?

Julio Amador Diaz Lopez, Business School

*Judge your ability to spot disinformation and news hoaxes over social media, and discover how Twitter-trained AI might stop them spreading in the future.*

**10** *Exhibit*

### Emotional privacy without a tin foil hat

Ranya Aloufi and David Boyle, Dyson School of Design Engineering

*Hear how AI can remove your emotion from the conversations you have with your smart devices.*

**11** *Exhibit*

### What does your smart speaker say about you behind your back?

Roman Kolcun and Anna Maria Mandalari, Dyson School of Design Engineering

*Put smart devices under the microscope and discover what personal data they are sharing with the outside world.*

**12** *Workshop*

### Measurement and uncertainty

Artist in residence Geraldine Cox and Thomas Wall, Department of Physics

*Explore the concept of confidence in the data we collect with our giant pendulum experiment.*

**13** *Exhibit*

### Mental health data: hopes, fears and willingness to share

Institute of Global Health Innovations

*Crisis lines collect information about people's experiences of mental distress. Share your thoughts on how we might use this data for social good.*

**14** *Talk*

### Gender and AI: Storytelling sessions

Anita Chandran

***Talks will start at: 18.30, 19.10 and 19.50***
*In celebration of International Women's Day consider the influence that gender has over AI with a creative writer and physicist.*

**15** *Workshop*

### Making meaning from data noise

StatML CDT

*Create art inspired by machine learning with Imperial statistics students and collaborators at the Royal Society of Sculptors.*

**16** *Exhibit*

### Cards against... social media

Impact Games Studio, Dyson School of Design Engineering

*Play a tabletop game designed to get people talking about the dangers of social media and online data security.*

**17** *Talk*

### A data-filled day in the life of...

*Imperial academics take to the stage to tell stories of their career. Talks start at:*

***18.40*** *... an eating disorder psychiatrist (Dasha Nicholls)*

***19.20*** *... a London traffic pollution theorist (Sankalp Chaturvedi)*
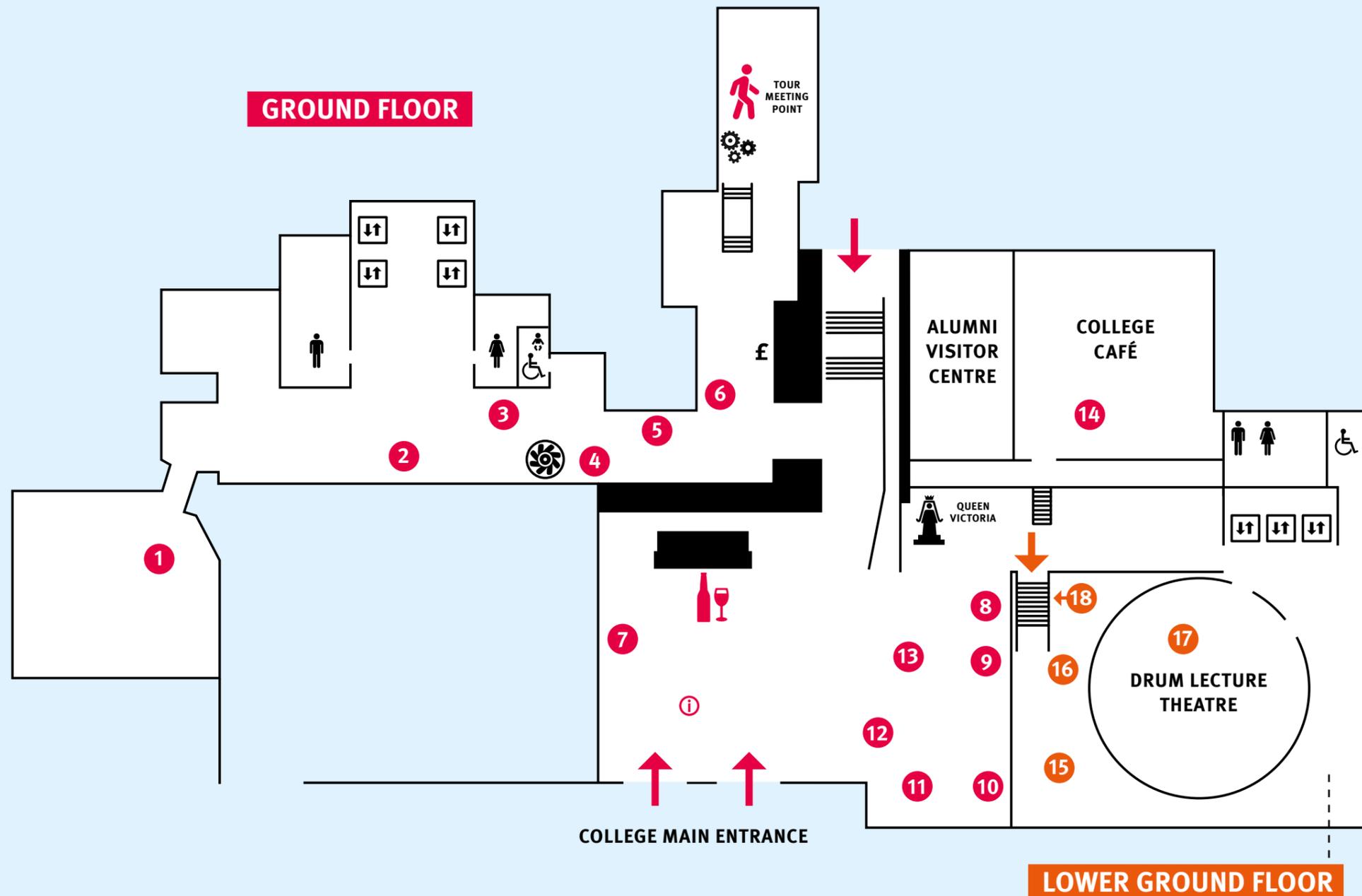
***20.00*** *... a cyber defender (Erisa Karafili)*

**18** *Talk*

### Smart devices in the home

Ranya Aloufi and Anna Maria Mandalari

***Talk will take place from 19.40–20.20***
*They make our lives easier today, and in our future domestic smart devices could keep us safe and healthy. But at what price to our privacy and security?*

# IMPERIAL LATES

# BEAUTIFUL DATA

## GROUND FLOOR

**GROUND FLOOR**

TOUR MEETING POINT

ALUMNI VISITOR CENTRE

COLLEGE CAFÉ

QUEEN VICTORIA

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DRUM LECTURE THEATRE

**COLLEGE MAIN ENTRANCE**

**LOWER GROUND FLOOR**

15

### GROUND FLOOR

1. **Patient data and privacy in the NHS** 🕐 🎞 *18.30–19.30*
2. **Gamifying our understanding of eating behaviour**
3. **The wearable neurologist**
4. **Digital Lego hospital**
5. **Digital Energy in Wattown**
6. **My environment, my health – what maps tell us**
7. **Digital detectives**
8. **Computer vision and image recognition**
9. **Could AI help us spot Fake News?**
10. **Emotional privacy without a tin foil hat**
11. **What does your smart speaker say about you behind your back?**
12. **Measurement and uncertainty**
13. **Mental health data: hopes, fears and willingness to share**
14. **Gender and AI: Storytelling sessions** 🕐 *18.30, 19.10 and 19.50*
15. **Making meaning from data noise**
16. **Cards against... social media**
17. **A data-filled day in the life of...** 🕐
   *18.40... an eating disorder psychiatrist (Dasha Nicholls)*
   *19.20... a London traffic pollution theorist (Sankalp Chaturvedi)*
   *20.00... a cyber defender (Erisa Karafili)*
18. **Smart devices in the home** 🕐 *19.40–20.20*

### Key:
- 1 Lates listing
- ⓘ Information desk
- 🍷 Bar
- 🚶 Tours meeting point
- 🎞 Pre-registration required
- 🕐 Time-specific event
- 🪜 Stairs
- ↕ Lift
- £ Cash machine
- 🚻 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/BeautifulDataEval**

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