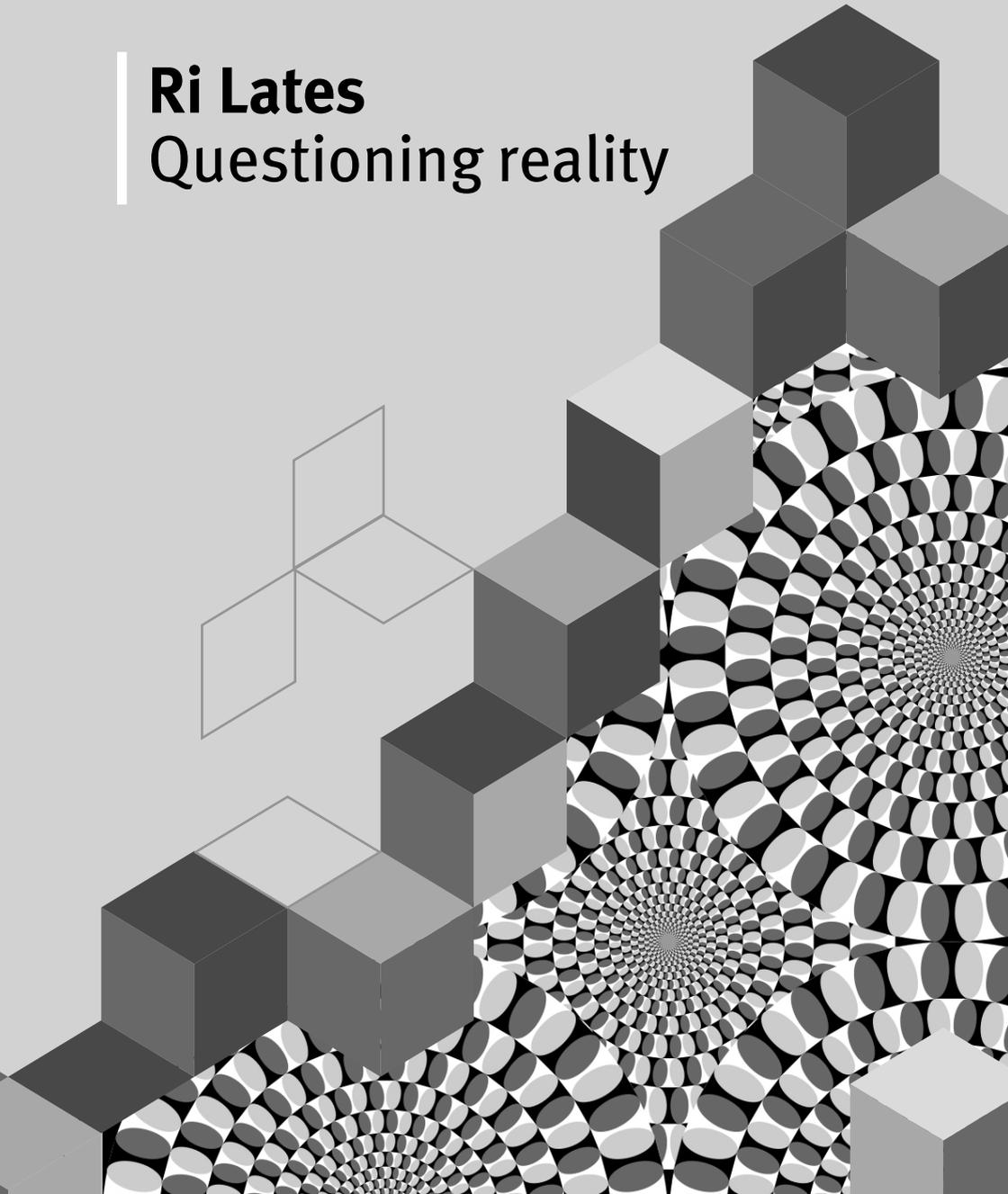




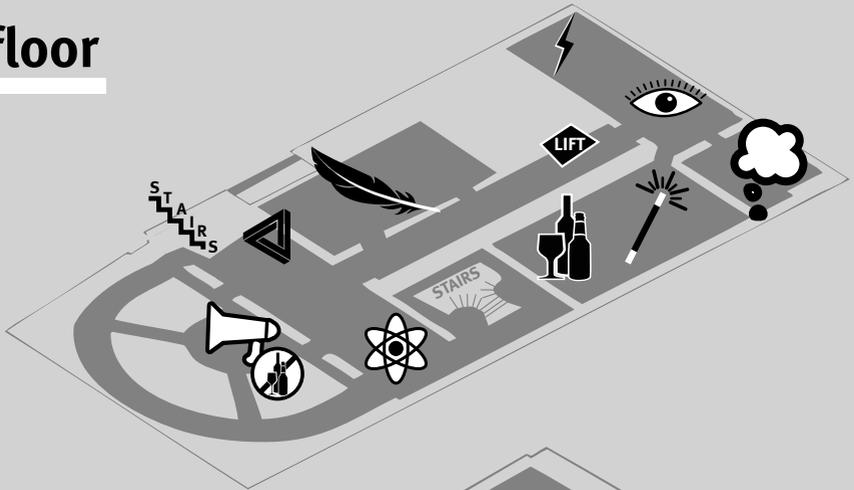
The Royal Institution
Science Lives Here

Ri Lates

Questioning reality



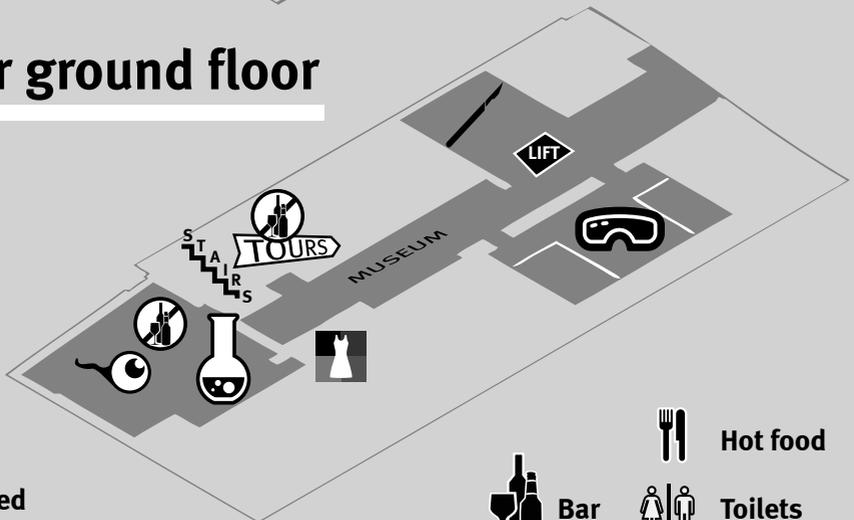
First floor



Ground floor



Lower ground floor



No food or drink



Unmanned cloakroom



Bar



Hot food



Toilets

First floor



Quantum weirdness

Get hands-on with Ben Still and his diffraction demo.



Shocking perspective

See how perception of reality can be affected by state of mind in this experiment.



The softness factor

Explore the perception of softness in this workshop.



Illusionary play

Fool your taste buds, trick your eyes and wreak havoc with your hearing.



Touching thoughts

Can you understand thoughts and emotions through touch?



Penrose triangle

Take a look at our impossible triangle.



Deceive your eyes

See your fingers stretch, fool your bodily perceptions and build your own Ames room.



Talks

Drugs on the mind

Anthony Dickenson, UCL

That dress and the illusion of reality

Bruce Hood, University of Bristol

The quantum bizarre

Ben Still, QMUL

See back for times.

Ground floor



Aversion toilet

Do you dare drink from our loo?



Animal senses

Meet AnimalMan and see how different live animals perceive the world (20-minute show).



Molecule builder

Create model hallucinogenic drugs in our bar area.



Animals and us

Get your hands on strange skulls, brains and cells.



Defying gravity

Play with a gyroscope and make your own to take away.



Nitrogen ice cream

Buy some ice cream made before your eyes with liquid nitrogen.

Lower ground floor



Dissect an eye

The root of our visual reality.



Chemistry lab

Turn liquids into solids and other reality-bending tricks.



Colour confusion

What colour is that dress? Does magenta exist?



Ri Tours

Dig into the archives and discover the Ri's history.



Oculus Rift

Test your nerve in the virtual world with Go8Bit.



Teaching your eyes to feel

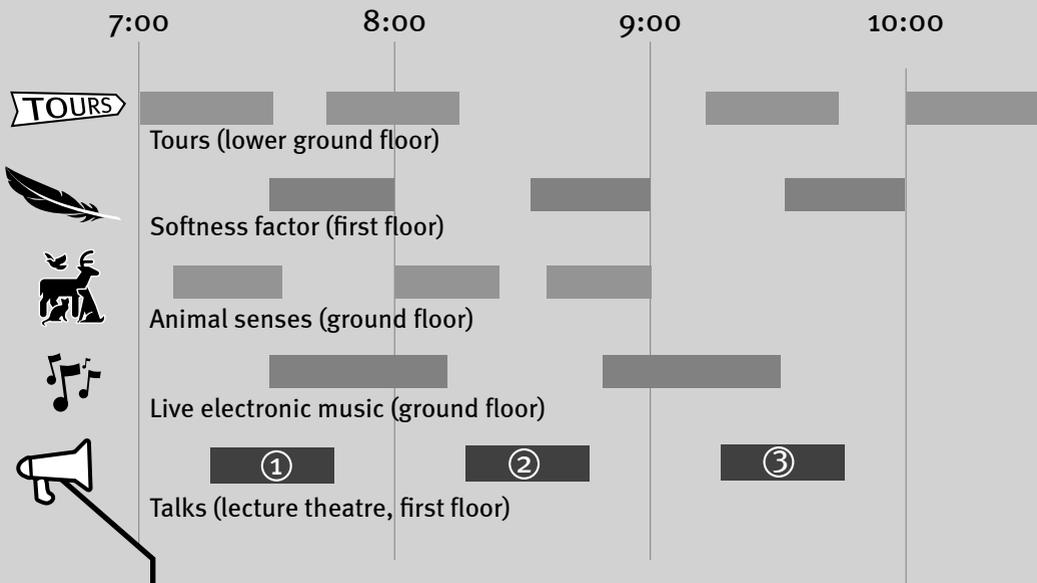
Try haptic technologies to learn surgery techniques.



For timed activities, please go to their room to sign up on arrival.



Don't miss...



① Drugs on the mind

How do we perceive pain and what does it do to our nervous system? Join Anthony Dickenson to explore these questions and delve into the reward pathways in our brain. [UCL](#)

② That dress and the illusion of reality

Bruce Hood demonstrates some classic illusions to show that you don't see with your eyes, but with your brain and the brain is constantly making up stories. [Bristol University](#)

③ The quantum bizarre

How can light be a wave and a particle at the same time? Question reality in the quantum world with Ben Still. [QMUL](#)

Thanks to the British Psychological Society for their support for this Lates.

