Join us for a unique opportunity to explore behind the scenes of the Royal Society. With insightful talks, innovative demonstrations and interactive activities, you will discover the cutting edge research and exciting projects we are supporting around the UK.

Talks and tours
Require booking at information desk.

Café
There will be a café serving food and drink set up in our Dining Hall on the basement level.

Map
Today’s activities take place in locations across the building, please see the map on page 8.

Drop-in Activities
Between 10am – 4pm.

Who wants to be a superhero?
10:30am – 11:30am
2.30pm – 3.30pm
Would you like super strength, x-ray vision, and lasers? This fun interactive show explores our top five superhero powers and the real life people that use them. This event is particularly suitable for children aged 7 – 11.

Seeing closer: Looking inside bacteria
12:30pm – 1:30pm
Join Dr Steven F Lee to explore the latest developments in imaging technologies, and discover how these techniques can be used to understand the complex structure of bacteria.

Kids’ zone
Visit the Little House of Science where you can learn about technology, chemistry, geology, physics and biology through playing.

*All talks require booking at information desk.
**Science through the ages**

10:30am – 3:30pm

Tours will take place on the hour and half hour and will take you on a journey throughout history to discover some of the most prestigious members of our scientific community. Meeting point is in reception and tickets can be collected from the information desk.

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**History of science show-and-tells**

**Robert Boyle to do list**
11:30am – 12pm, 3.30pm – 4pm

**Robert Hooke Micrographia**
1.30pm – 2.30pm

Delve further into our 350 year history with ‘show-and-tells’ from our library archives. Witness original pieces from some of the greatest scientists that lived and discover the stories behind the objects. Please note, Boyle ‘show-and-tells’ will take place every 5 – 10 minutes during the scheduled times. Micrographia tours will run roughly every 20 minutes.

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**Meerkat groups from the primordial soup**

How did complex life evolve? Join Ashleigh Griffin from Oxford to build your own Lego organisms, watch multicellularity evolve and discover the benefits of playing nice.

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**Lights, colours, camera, action!**

What do sweet wrappers, Pink Floyd, Star Wars and fibre optic broadband have in common? It’s light! Robert Pal from Durham University goes on a quest to understand light in all its glory.

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**Monopole quest**

In the Large Hadron Collider the hunt is on for the new physics of magnetic monopoles.

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**Royal Society Publishing photography competition**

The competition celebrates the power of photography to communicate science and the role great images play in making science more accessible to a wide audience. View the winning entries from 2015 in this stunning collection of photos.
Royal Society showcase
Come and chat to us to find out more about the innovative work we are involved with. Explore our historic journals, amazing library and digital archives and find out how our journals influence national media.

Gold rush
Catalysis is essential to our everyday lives, producing fertilisers, manufacturing plastics and cleaning the environment. Find out how gold, at the nano-scale, can accelerate a range of chemical reactions and generate exciting innovations to help sustain our world.

Super sight!
Augmented reality for everyone
Everyone can be a superhuman with new optical technology for augmented reality.

Can robots evolve?
You’ve heard of swarming bees, but what about swarming robots? Join Jon Timmis to find out how biology can help inspire robotic design.

Learning machines:
how computers got smart
Tuesday 12 April
6:30pm – 9pm
Join our panel of speakers, chaired by Marcus du Sautoy, to discuss what we mean by machine learning and discover some of the exciting current and future uses of this technology.

A life in health:
in conversation with Dame Sally Davies
Wednesday 20 April
6:30pm – 8pm
Join Professor Dame Sally Davies FRS as she talks to Vivienne Parry about her career-long commitment to improving health, healthcare and medical research.

Summer Science Exhibition 2016
Monday 4 July – Sunday 10 July
The Summer Science Exhibition is an annual showcase of exciting cutting edge science from across the UK. You can meet the scientists, try some of the hands-on activities or attend some fantastic talks and events.
History of science show and tells. Start point (library).
Information desk.
Café.
The Royal Society’s library and archives

Contains a world-renowned collection of material relating to the history and development of science from books and manuscripts to photographs and illustrations.

To find out more about our collections and how you can access them please visit: royalsociety.org/collections or call +44 207 451 2606.

Royal Society Publishing photography Competition 2016

The Royal Society Publishing photography competition celebrates the power of photography to communicate science and the role great images play in making science more accessible to a wide audience.

The competition is open to all. For more details visit: royalsociety.org/journals/photo-competition
The Royal Society
The Royal Society is a self-governing Fellowship of many of the world’s most distinguished scientists drawn from all areas of science, engineering, and medicine. The Society’s fundamental purpose, reflected in its founding Charters of the 1660s, is to recognise, promote, and support excellence in science and to encourage the development and use of science for the benefit of humanity.

The Society’s strategic priorities are:
- Promoting science and its benefits
- Recognising excellence in science
- Supporting outstanding science
- Providing scientific advice for policy
- Fostering international and global cooperation
- Education and public engagement

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Cover image:
Species of Hexastylus radiolaria, a type of plankton, magnified up to 400×, from Report on the scientific results of the voyage of H.M.S. Challenger, by Sir C. Wyville Thomson, 1880.