



YORNIGHT

EUROPEAN RESEARCHERS' NIGHT

Join us for an evening of discovery
in York city centre exploring the
fascinating world of research



FRIDAY 25 SEPTEMBER

2015

5PM TO 9.15PM

Find out more at yornight.com
Follow us on Twitter @ernyork #YorNight

EUROPEAN RESEARCHERS' NIGHT

YorNight is York's contribution to a Europe-wide project called European Researchers' Night. For one night in September, researchers will take over the city, to show the value and impact that research has on our daily lives. Join us for an exciting evening of **FREE** hands-on activities, talks, exhibitions, interactive displays and experiments that will open your eyes to the wonders of this world of innovation and exploration.

This year is a special year as we celebrate the 10th anniversary of European Researchers' Night and the International Year of Light! This brochure reveals a sample of what's coming up but there is much more to see and do so check out the website at yornight.com for a full list of venues, activities and researchers.

YorNight is a **FREE** event which means you can just turn up and enjoy the activities on offer. However, there are a few events that will be ticketed in advance. To be sure of securing a place please visit our website to register for a ticket.

PECKISH?

THERE WILL BE A VARIETY OF FOOD AND DRINKS AVAILABLE TO BUY TO KEEP YOU SUSTAINED OVER THE EVENING SO LOOK OUT FOR OUR RESEARCHER CAFÉS IN KING'S MANOR REFECTORY AND YORK EXPLORE CAFÉ.

YorNight is hosted by the University of York
in partnership with York Museums Trust.

UNIVERSITY *of York*

York Museums Trust

With special thanks for contributions from:



explore



TALKS

We'll have some fascinating talks taking place over the evening so visit our website for the full schedule of times and locations. Here's a few examples of what's coming up...

6:15PM – 7:15PM • KING'S MANOR

To Infinity and Beyond **Ticketed event*

Join us to discover the challenges that will be faced by British Astronaut, Tim Peake, when he launches into space in December 2015. This fun-filled look at human space flight will include exciting experiments and a genuine space suit that you can try on after the talk.



7:30PM – 8:30PM • KING'S MANOR

Astronomy Is Looking Up!

**Ticketed event*

Find out how the modern science of astronomy works as Dr Emily Brunsdon of the University of York describes the working life of an astronomer. This talk includes a virtual tour of large research telescopes and a chance to ask your burning questions about the Universe.



7:00PM – 8:30PM • TEMPEST ANDERSON HALL, YORKSHIRE MUSEUM

Rediscovering Richard III **Ticketed event*

Presentation and panel discussion from the experts involved in this incredible story.

- Professor Caroline Wilkinson, facial reconstruction of Richard III
- Dr Turi King, genetics expert behind the search for Richard III
- Matthew Morris, archaeologist on the famous Leicester dig

7:30PM – 8:30PM • YORK EXPLORE LIBRARY

In Conversation With Bettany Hughes

**Ticketed event*

Bettany's talk, 'Making History Happen', will explore her career as a prominent historian and reveal her passion for getting academic ideas - in particular those relating to history - onto the screen, airwaves and online to the widest possible audience.

5:45PM – 6:30PM • KING'S MANOR

It Lives! Will We? The robots are already here.

Colin Williams, Softbox Limited

7:40PM – 8:00PM • KING'S MANOR

FIFA World Cup 1966: Planning for success

Dr Alex Gillett and Dr Kevin Tennent, University of York

8:10PM – 8:30PM • KING'S MANOR

The Mystery of Dreaming

Professor Tom Stoneham, University of York

5:20PM – 5:40PM • YORK MEDICAL SOCIETY

From Black Pudding to Transfusions; The weird and wonderful world of blood

Dr Ian Hitchcock, University of York

6:50PM – 7:10PM • YORK MEDICAL SOCIETY

Creating a Healing Campus: Challenging the perceptions of mental illness

Dr Nick Rowe, York St John University

6:00PM – 6:20PM • BARLEY HALL

Unearthing Industrial York

Rachel Cubitt, York Archaeological Trust

6:30PM – 6:50PM • BARLEY HALL

Apocalypse Now: Preserving a medieval master-piece

Sarah Brown, University of York

7:40PM – 8:00PM • BARLEY HALL

From Russia to the Cape of Good Hope: Jewish music bypassing the Holocaust

Dr Stephen Muir, University of Leeds

WHERE ELSE CAN YOU DO ALL

YorNight will have a huge variety of hands-on activities, interactive displays, experiments and fascinating talks to broaden your mind and entertain you...



- ▼ Try on a spacesuit
- ▼ Try on some Victorian costumes
- ▼ Climb inside a Cosmodome

- ▼ Explore a flying laboratory
- ▼ Create a heraldic shield
- ▼ Go dumpster diving in the name of science
- ▼ Be part of a virtual archaeological dig



- ▼ Join our live-link up to watch the sun set in the Canary Islands

- ▼ Learn about the Tansy beetle, its ecology, threats and conservation
- ▼ Explore your family tree
- ▼ Create a photo of your ideal partner
- ▼ Hear stories of York in the First World War
- ▼ Discover how earthworms talk to plants

THIS

AND MORE

IN ONE NIGHT?



- ▶ Test your chemistry skills and make some gels
- ▶ Find out why the chicken crossed the globe
- ▶ Experiment with prehistoric cheese making



- ▶ Try your hand at flint knapping
- ▶ Venture into the world of interactive games
- ▶ Stargaze in the York Observatory
- ▶ Delve into the history of the Flying Scotsman
- ▶ Visit York's Cold War bunker
- ▶ Test out your face recognition skills as a passport controller
- ▶ Discover how chemistry is helping us understand the past

- ▶ Play the African irrigation game and learn about sustainable farming



- ▶ Take part in our Pi and Chips science quiz
- ▶ Handle some creepy crawlies
- ▶ Discover more about life as an astronomer
- ▶ Chat to the experts about their work in our Researchers' Cafés

YEAR OF LIGHT KING'S MANOR

5pm - 8:30pm

From lasers to plasmas and telescopes to microscopes, find out more about the exciting discoveries made possible by light! Discover how we work out what stars are made of and see the cosmic rays that are passing through you all the time, see who is the coolest person in the room using an infra-red camera, produce glowing art work in the ultraviolet zone, venture inside the Sundome to see how fusion may solve the energy crisis and use microscopes to explore what your teeth and coral reefs have in common!



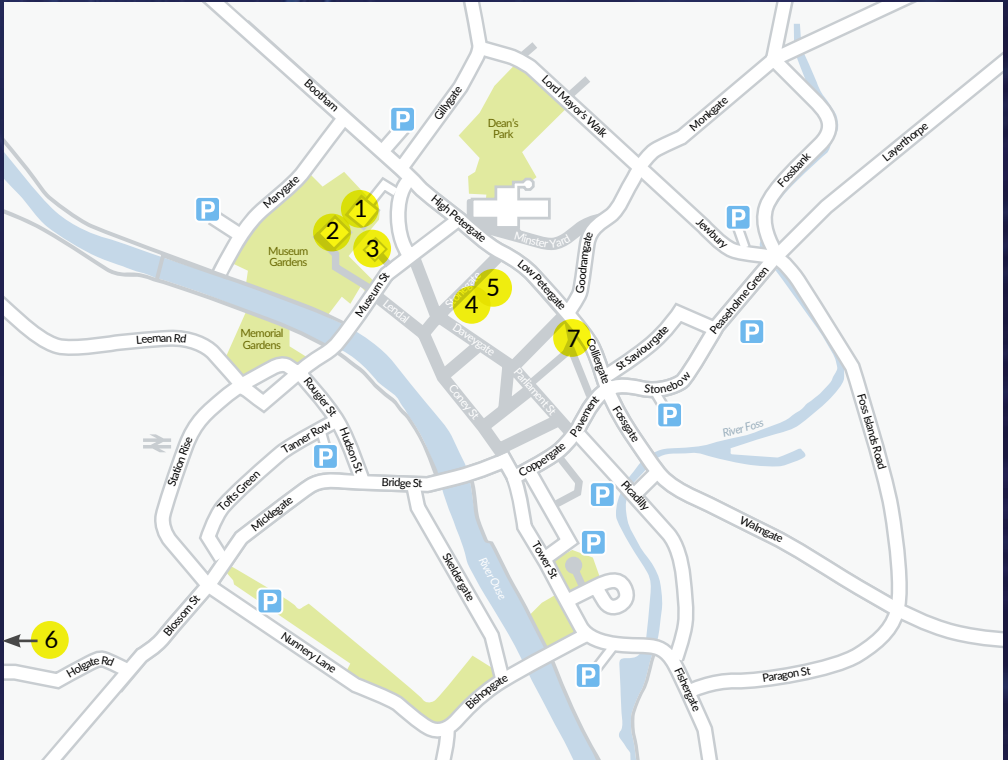
YORNIIGHT FINALE MUSEUM GARDENS

8:45pm - 9:15pm

Celebrate the International Year of Light at a special choral concert set to lights in the ruins of St Mary's Abbey in Museum Gardens. Academics from the Music, Electronics and Physics departments at the University of York have collaborated on a unique project, which uses acoustic modelling technology, to compose a piece of choral music which when performed live will sound as it would have done inside the original abbey almost 500 years ago.



YORNIIGHT VENUES



- 1 **King's Manor** • Exhibition Square, YO1 7EP
- 2 **Yorkshire Museum and Gardens** • Museum Gardens, YO1 7FR
- 3 **York Explore Library** • Museum Street, YO1 7DS
- 4 **Barley Hall** • 2 Coffee Yard, YO1 8AR
- 5 **York Medical Society** • Stonegate, YO1 8AW
- 6 **Cold War Bunker** • Monument Close, YO24 4HT
- 7 **Duke of York** • King's Square, YO1 8BH

Not all venues are fully wheelchair accessible. Please see our website for more details.

ENTER ONE OR BOTH OF OUR **FANTASTIC COMPETITIONS** BELOW TO WIN A KINDLE OR A £50 AMAZON VOUCHER.



VISIT ALL
SIX ZONES

Get a different coloured sticker at each of these six locations to enter our prize draw.

EU Corner,
King's Manor
Refectory

Year of
Light Hub,
King's
Manor

Archaeology
Zone, King's
Manor

Family
History Portal,
York Explore
Library

Researchers'
Café,
York Explore
Library

The
Cosmodome,
Yorkshire
Museum



Enter our feedback competition by answering these questions and returning your entry to us by 10 October 2015.

How would you rate your experience of YorNight?

Excellent Good Average Poor Very Poor

What have you enjoyed most about YorNight?

What is the most interesting thing you've learnt at YorNight?

Has YorNight made you think more about the importance of researchers to society?

Yes No

How do you think the work of researchers benefits society?

Phone number or email address

Please tick the appropriate boxes:

I am under 18 I am 18 or over I am male I am female

Please tear off this page and put it in one of the YorNight boxes found at each venue, or return to:

● YorNight, Communications Office, University of York, Heslington, York YO10 5DD