The Mobile University
FREE! From the makers of Festival of the Mind

Friday 22nd – Sunday 24th September 2017

All aboard! The Mobile University takes to the streets again this September, for a weekend of exploration and entertainment. On the top deck of a vintage city bus, our brightest and best will engage you with 20 minute talks and demos on a huge range of groundbreaking research, from amazing advances in healthcare to mind-blowing new technology and fresh thinking about the issues that affect us all.

Tickets are free
Seats are limited and it’s first come first served, but each talk is streamed live to a video screen in a gazebo next to the bus.

Where to find us
We will be parked on The Moor (Friday 22nd & Saturday 23rd) and in Barker’s Pool (Sunday 24th).

www.sheffield.ac.uk/mobileuni
@UniShefEngage #MobileUni

The University of Sheffield
sheffield.ac.uk/mobileuni

Friday 22 September
The Moor
11am–4.30pm
Chris Blackmore
Demonstration
The Wall of Gratitude
11am–11.20am
Shaun Earl
Gnomes on the Railways
11.30am–11.50am
Stuart Walker
How Similar is Similar?
12pm–12.20pm
Fuschia Sirois
The Benefits of Gratitude for Health and Wellbeing
12.30pm–12.50pm
Laura Towers
Life After Death. Experiences of Sibling Bereavement
1.30pm–1.50pm
Joanne Thompson
Making a Difference: How Community Organisations Benefit from Medical Student Placements
2.00pm–2.20pm
Priya Patel
How Can Magnets Help Treat Tumours?
3.00pm–3.20pm
Anuezin Kenneth
“This is cancer: research 5. Stay on target.”
3.30pm–3.50pm
Just Migenda
Hyper-Samisonudle: A Big Detector for Big Questions
4.00pm–4.20pm
Méloïse Stevance
How Do Supernovae Explode?

Saturday 23 September
The Moor
11am–4.30pm
Emily Collins
Demonstration
Biomechanics: Robot Animals for Healthcare
11am–11.20am
Valerie Derbyshire
Words and Pictures: The Visual in the Literary/The Literary in the Visual
11.30am–11.50am
Laura Milburn
Star Quality: How a Big Name Transformed a Broadway Show
12pm–12.20pm
Rachel Walker
A Grumpy No-Man’s Land: Stoke-on-Trent’s Theatre in the 1960s
12.30pm–12.50pm
James Thackery
The Translation of Science to Policy
1.30pm–1.50pm
Winona Shaw
Devoted, Deadbeat or Disneyland Dads: Moving Away from Stereotypes of Non-resident Fatherhood
2pm–2.20pm
Andrew Bryoe
The Impact of Weekend Working on Wellbeing
2.30pm–2.50pm
Marina Sarda
Spending Time with Robots: Can it Change our Attitudes?
3pm–3.20pm
Laia Pasquina Lemonche
Touching Life Under a Microscope
3.30pm–3.50pm
Chiara Niespolo
Meet the Tribbles
4pm–4.20pm
Laura Martinez Campesino
Obesity and Disease: A New Understanding

Sunday 24 September
Barker’s Pool
11am–5pm
Grantham Centre for Sustainable Futures
Food Footprints
11am–11.20am
Katey Twyford
How Well Can People with Dementia Live in Extra Care Housing?
11.30am–11.50am
Lauren White
Talking Toilets: Everyday Life with Irritable Bowel Syndrome (IBS)
12pm–12.20pm
Brenda Narie
Could New Technology Prevent Premature Birth?
12.30pm–12.50pm
Aimee Paskins
Star Trek Style Healing for Chronic Wounds
12.30pm–12.50pm
Rachel Evans
No Self Control No Problem: Five Healthy Eating Hacks
2.30pm–2.50pm
Eran Elhaik
The Story of English DNA
3pm–3.20pm
Karen Finney
Bioenergy: A Graphic Introduction
4pm–4.20pm
Christian Reynolds
Is Your Yorkshire Pudding Sustainable?

How to find us:
Key:

The Moor
Barker’s Pool
**Friday 22 September**

**The Moor**

**The Wall of Gratitude**

Christine Hindmarsh

Demonstrations

9am–4.30pm

A thank you can make your day. But did you know it was good for your health? Research shows it even helps us sleep better. Our interactive Wall of Gratitude is a place where you can say a public thank you for anything, from the personal to the universal.

**Gnomes on the Railways**

Shaun Earl

9am–11.20am

Strange indentations are appearing on our railways. They look like they’re made by extremely heavy gnomes sitting down on the tracks. And they cause chaos. Materials engineer Shaun Earl gets to the bottom of it.

**How Similar is Similar?**

Stuart Walker

11.30am–12.10am

In an era of automated factories, rarely one aircraft wing is the same as another. Not quite. Engineer Stuart Walker uncovers some surprising differences that could affect performance.

**The Benefits of Gratitude for Health and Wellbeing**

Laura Towers

12.30pm–12.50pm

Drawing on interviewees with bereaved siblings, social scientist Laura Towers will share people’s stories to explore what life can be like following the death of a brother or sister.

**Making a Difference: How Community Organisations Benefit From Medical Student Placements**

Joanne Thompson

1.30pm–2.20pm

Working with community organisations gives our medical students valuable experience. But what do the organisations get out of it? Joanne Thompson evaluates this important relationship, the work our students do and the difference it makes.

**Sperm in All Shapes and Sizes**

Sarah Calvert

2.30pm–3.20pm

In the race to the egg, not every sperm gets there. Dr Sarah Calvert’s research reveals those most likely to succeed.

**How Can Magnets Help Treat Tumours?**

Pippa Patul

3.30pm–4.20pm

Dr Patul explains how magnetic can be used to make tumour treatment more accurate and more effective.

**“This is cancer researcher 5. Stay on target.”**

Aneurin Kennerley

3.30pm–4.20pm

Using viruses to kill tumours is one way to attack cancer. But hitting the target can be a challenge. Magnetic resonance targeting can increase accuracy by 800 per cent. Dr Aneurin Kennerley explains how it works.

**Hyper-Ramaniscope: A Big Detector for Big Questions**

Jo Migenda

4.30pm–5.20pm

What happens when stars explode? What is dark matter? Hypatia just Migenda shows us how a giant detector (Hyper-Ramaniscope) buried deep underground is helping to explain the origins of the universe.

**How Do Supernovas Explode?**

Helicos Stevance

4.00pm–4.20pm

We are all made of stardust. Sounds whimsical? It’s science! Every time a star explodes, it generates this mysterious substance that forms the basis of all things— including us. Find out how and why this happens with astrophysicist Helicos Stevance.

**Saturday 23 September**

**The Moor**

**Biomimetics: Robot Animals for Healthcare**

Emily Collins

Demonstration

2.30pm–3.30pm

Don’t miss this rare chance to see and interact with the robot animals that could transform healthcare in the near future. With Dr Emily Collins of Sheffield Robotics.

**Words and Pictures: The Visual in the Literary/The Literary in the Visual**

Valerie Deshayes

2.30pm–4.30pm

Focusing on the romance novels of Charlotte Smith (1749-1806), this talk explores how literature is inspired by, and vice-versa. Valerie Deshayes reveals the hidden histories and blurring of boundaries between words and pictures.

**Star Quality: How a Big Name Transformed a Broadway Show**

Laura Millsorn

11.30am–12.10am

Laura Millsorn reveals the story behind Noel Coward’s 1946 hit Sad Away. Which Coward overshadowed completely to accommodate its star, Eliza Thatch.

**A Grinning No-Man’s Land: Stoke-on-Trent’s Theatres in the 1920s**

Rachel Walker

11.30am–12.10am

Rachel Walker on the groundbreaking work of Peter Cheeseman, who made Stoke-on-Trent a major centre for theatre and launched the careers of Alan Ayckbourn, Alan Plater and Peter Terson.

**The Translation of Science to Policy**

Laura Towers

12.30pm–12.50pm

At least a million fathers in the UK don’t live with their children, but who are these dads and how do they live? Winona Shaw thinks it’s time we research to help us move away from stereotypes of non-resident fathers.

**The Impact of Weekend Working on Wellbeing**

Andrew Bryce

2.30pm–3.20pm

How data shows that working at the weekend could be bad for your health. Econometrics PhD Andrew Bryce tells us through it.

**Spending Time with Robots: Can It Change Our Attitudes?**

Marina Saada

2.30pm–3.20pm

The rapid development of robotics show no signs of slowing. It’s important that we all come to terms with what it could mean for our day-to-day lives. Research suggests that our fears may be unfounded. But if we don’t spend time with robots, how do we see what to think about them? Marina Saada may be able to help.

**Meet the Tribbles**

Chana Naczpolski

3.30pm–4.30pm

They might sound like an uncommon bunch, but the TRIB family of proteins (aka Tribbles) play a huge role in controlling metabolism, immunity and cancer. Find out how academics from our Faculty of Medicine, Dentistry and Health are unlocking their secrets.

**Obesity and Disease: A New Understanding**

Laura Martinez Campesino

3pm–4pm

Laura Martinez Campesino on a project to understand the links between obesity, immunity and disorders such as type 2 diabetes and cardiovascular disease.

**Meet Your Yorkshire Pudding Sustainable?**

Christian Reynolds

4.30pm–5.30pm

Is our passion for great beef and Yorkshire puddings for the planet? Agri-food expert Christian Reynolds examines a British classic, its journey from field to plate and its impact on the environment.