



The  
University  
Of  
Sheffield.



# FESTIVAL OF THE MIND

**15–25 September 2016**

### **Professor Shearer West, Deputy Vice-Chancellor**

Festival of the Mind is a unique collaboration between our academic colleagues' expertise and the creative and cultural talent of our city. It is about welcoming the public and our students from all over the world – as we celebrate our University and our city, with themes that are both local and global.

The second Festival of the Mind, held in 2014, attracted an audience of 27,000 as well as national and international media coverage.

This year, we were delighted to secure Arts Council England and Royal Society funding for the festival, an increase of 50% on the previous festival's external funding.

Our groundbreaking research will be showcased in venues across the city, including; the Spiegeltent on Barker's Pool, Bank Street Arts, Millennium Gallery, Sheffield Cathedral, Food Hall and many more.

The Millennium Gallery will see 15 virtual reality projects in Futurecade, a utopian vision of future realities in the digital sphere curated through partnership with Sheffield Doc/Fest. All events are open to the public, free of charge.

The collaborative projects will involve 40 academic-city partnerships from across the University and will include projects focusing on our international world-class research covering issues of migration, social cohesion, food production and future technologies.

The programme also sees music, art, lectures, heritage, local history, international stories, performance and dance.

As with all our festivals, none of this would be possible without the commitment of the festival team and a host of volunteers – University staff, students and the public.

I look forward to seeing you at Festival of the Mind.

### **Professor Vanessa Toulmin, Festival Director for Festival of the Mind**

As Director of City and Culture at the University of Sheffield and Chair of Sheffield's Cultural Consortium, I am delighted to be Festival Director for the third year for Festival of the Mind. It is a great pleasure to see collaborative work, this year there are 40 innovative projects with new partners taking place in venues across the city.

This year's festival will be bigger than ever. There will be something for everyone from family events to entertainment after dark in the Student Union run Spiegeltent in Barker's Pool. There will be music, performance and installations throughout the city. The University's most exciting research will be shared in unexpected and inspiring ways themed around making, journeys, virtual, local, global, activism, utopia and placemaking.

So come along and enjoy the spectacular, the intriguing and the beautiful during the Year of Making. Festival of the Mind promises to capture the spirit of invention and collaboration, the love of ideas and make Sheffield such a wonderful place.

Festival of the Mind is part of Year of Making 2016 which is supported by Arts Council England.

[www.sheffieldcityofmakers.co.uk](http://www.sheffieldcityofmakers.co.uk)

Festival of the Mind's global themes reflect the values of our **#WeAreInternational** campaign. We launched this to show our support for international students and to ensure that their contribution to our economy and culture is recognised.

[www.sheffield.ac.uk/we-are-international](http://www.sheffield.ac.uk/we-are-international)

Events are subject to change - for an up to date programme of events please go to [www.sheffield.ac.uk/fotm](http://www.sheffield.ac.uk/fotm)

[@FestivalMind](https://twitter.com/FestivalMind)

[facebook.com/festivalofthemind](https://facebook.com/festivalofthemind)



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## Summary of events

### Colour Key to Venues

- Citywide
- Sheffield Cathedral
- Winter Garden
- Bank Street Arts
- The Spiegeltent
- Sheffield Institute of Arts Gallery

### Foodhall

- Ait Seen Eye
- Alfred Denny Museum
- The Moor Market
- Firth Court
- Portland Works
- Millennium Gallery
- Showroom Cinema

### After Dark at the Denny Museum

Forget what you think you know about evolution. Like a kind of zoological X Files, the Alfred Denny museum illustrates the real diversity of life on earth. Now the Denny is opening its doors for two special late-night tours. The weird and wonderful specimens include birds eggs, insects and invertebrates. There are fun talks and activities. And our experts will be on hand to answer your questions. (see page 24 & 32)

### Aquaponics

How can we grow more food in more places, without relying on fertilisers and without wasting water? Aquaponics could be the answer. Growing vegetables and fish in the same place creates its own natural fertiliser and keeps the water clean. Computer scientist Hamish Cunningham's exhibition (Alfred Denny Building, Western Bank) explains how we can use open source technology and how aquaponics could work locally. (see page 22-43)

On **Saturday 17 September** in the Winter Garden there will be performances from an aerialist at the following times:

- 12:30-1pm
- 2-2:30pm
- 3-3:30pm

For further events see the website.

### Datadrones

Live and interactive exhibition using drone technology to visualise data from around the world – and from around the room. As our drones rise and fall in response to changing information, they lift coloured material to create a large-scale landscape of data. (see pages 22-43)

### Earn Your Stripes: Artful Zebrafish

This citywide exhibition of street art celebrates the tropical fish that taught scientists so much about life. There are workshops and activities for adults and children, as well as installations and specially commissioned artwork at the Art House. Look out for the stencil trail! For the full list of events, see our website. (see page 22-43)

### Urban Turbines

Chella Quint brings you a series of innovative events and activities to discuss sustainable energy and wind turbines, throughout the festival, including a crafternoon, installations and projections. Don't miss Chella's installation, at Dina on Cambridge Street, which re-imagines wind turbines as inspiring the next fashion and home decor trend in a department store window display. (see page 22-43)



Gaiamycota

## Summary of events

### Festival of the Mind at the Moor Market

Fun activities for kids and grown ups, including: storytelling, potion making, robot sumo wrestling, and Scalextric racing with a difference. University staff will be on hand to talk about the research behind the entertainment. Other events showcase our groundbreaking work in neuroscience and fertility. (see page 26–28 & 40)

### Saturday 17 and Saturday 24 September, 11am–4pm.

For details, see our website.

### Football Stories

This exhibition, and the accompanying book of photo essays, profiles some of Sheffield football's characters, from grassroots teams to coaches and obsessive fans. They are the passionate and (sometimes) eccentric people who keep football alive. (see page 22–43)

### Futurecade and Festival of the Mind Projections

A selection of films from Futurecade and other Festival of the Mind events, projected at various locations across the city. Supported using public funding by Arts Council England. (see page 22–33 & 36)

### Hope in the City

This project aims to support the people of Sheffield to share hope together. Over the 10 days of the Festival of the Mind the project will capture a spectrum of the people of Sheffield's hopes for their city. Objects, thoughts, sound recordings, drawings will be collected at a mobile Hope Bank.

A workshop at the Art House in Sheffield will take place on the **17 September 1.30pm–4.30pm** to collect hopes and dreams for the City of Sheffield. The Hope Bank will make its first collection on the **15 September** and throughout the Festival of the Mind. (see page 26)

### Little City of Makers

What kind of city are we leaving to our children? How will they make their living? Will their priorities be the same as ours? With help from the University's School of Architecture, children from Arbourthorne Community Primary School will construct a model of the future Sheffield they'd like to see. (see page 23–26 & 30–40)

### Metabolon: Visual Journey through Chlorophyll biosynthesis

If scientific data was presented as art, what would it look like? Quite possibly something like this. Dr Nate Adams has teamed up with artists Seiko Kinoshita and Darren Richardson to bring the scientific data to vivid life as public art. (see page 22–43)

### Sounds of the Birds

In this mesmerising meditation on music, nature and landscape, pianist Noah Kang performs composer Olivier Messiaen's epic work, *The Catalogue d'Oiseaux*. Featuring breathtaking and bold new visuals by Human, leading bird expert Professor Tim Birkhead interweaves Messiaen's music with a sequence of talks on birds and their interactions with the landscapes vividly reproduced in Messiaen's music.

An extraordinary performance of an extraordinary work: a fusion of science, music, and imagination.

An optional pre-concert talk is at **6:10pm**, with the main performance starting at **7.30pm**. (see page 35)

To book tickets please go to [www.sheffield.ac.uk/fotm](http://www.sheffield.ac.uk/fotm)

### The Sebastian Conran Lecture Form Follows Fabrication: Made in Sheffield

Are we looking at technology from the wrong end of the telescope? Instead of forcing new technology on the world just because we can, maybe we should be thinking: 'Do we actually need this?' Designer Sebastian Conran brings his unique insight to bear on this controversial subject, in a talk that challenges our assumptions. (see page 33)

To book tickets please go to [www.sheffield.ac.uk/fotm](http://www.sheffield.ac.uk/fotm)

### Shaun Bloodworth - A Selection of Maker's Films

A film series about steel making in Sheffield and its global reach, from small scale hand made tools to large scale forging. The screening will build upon the previous success of films like 'The Putter' and 'Barry Can't Arf Weld'. This event is ticketed please go to [www.showroomworkstation.org.uk](http://www.showroomworkstation.org.uk) (see page 33)

## Bank Street Arts

### Thursday 15–Sunday 25 September

Events will be held in the Bank Street Arts between **11am–4pm**, with late opening on **Wednesday 21 September 11am–9pm** Admission is **FREE**.

### ADJOIN: Understanding Arthritis

Artist and educator Trish O'Shea worked with Professor Mark Wilkinson and filmmaker/photographer Jackie Jones to bring you this exhibition and talk exploring her own personal experience of arthritis and surgery using photography, text, drawing and 3D work. She aims to increase awareness and understanding of the physical, emotional and psychological effects of the condition to help clinicians and patients develop better treatments. (see pages 22–43)

### Grantham Centre: Food Footprints

Artists and makers from the Art House respond to new ideas that could transform the way we produce food and energy. What does the future look like, and how should we feel about new technologies such as farmer-drones, insects as food, and underwater farming? (see pages 22–43)

### Hyperbolic Forest

This installation brings together pieces of knitting and crochet from all over the world. The Hyperbolic Forest is a tactile, atmospheric display that visualises the geometry of hyperbolic surfaces, a mathematical theory that changed the way we think about space. (see pages 22–43)



## Bank Street Arts (continued)

### In a Dark Wood: Words and Images of Mental Distress Across a Century

This exhibition draws on archive photography to chart changing attitudes towards mental illness. The anonymised pictures, from the records of the Middlewood Hospital, were archived in the early 20th century. They're presented alongside audio recordings by people living with mental health problems today. (see pages 22–43)

### The Journey of Reproductive Life

Artist Kate Sully, fertility expert Professor Allan Pacey and PhD student Sofia Granados Avarice invite you to look at human reproduction from a new perspective. This rich, complex artwork is about how life begins. (see pages 22–43)

## Foodhall

Every meal at Foodhall is a special occasion. Drop in during the festival for good food, music and stimulating conversation about the social importance of eating together and the architecture of dining spaces.

### Thursday 15 September, 7pm

Architect and writer **Jeremy Till**, head of Central Saint Martin's University and Pro Vice-Chancellor of University of the Arts London, talks about his new book *The Design of Scarcity*. (see page 22)

### Saturday 17 September, 6pm

Calling all musicians! Bring your own instruments, come along and jam at the **Foodhall Jamboree**. Everyone welcome. (see page 26)

### Wednesday 21 September, 7pm

Architect, educator and designer Julia Udall talks about the successful project to save Portland Works at our special **Knives and Forks Dinner** event. (see page 34)

### Thursday 22 September, 7pm

See website.

### Saturday 24 September, 6pm

Screening of Daniel Vallin's documentary **Full Bins, Empty Bellies, Lonely Lives: The Story of Food Poverty and Social Isolation in a Land of Plenty**. The film features a lot of Sheffield locations, plus interviews with **Natalie Bennett** and author on waste, **Tristram Stuart**. (see page 40)

### Night on the Tiles Community Art Project

Drop in to Foodhall (Eyre Street) during the festival and contribute a tile or two to our community mural. You don't have to be an artist to give it a go. Meals available on a pay-as-you-feel basis. (see page 22–43)



Foodhall, Eyre Street, Open throughout the festival

Step into the

# FUTURECADE

An exhibition of virtual reality and more

**Futurecade at Festival of the Mind**  
**Saturday 17–Sunday 25 September**  
 Events will be held in the Millennium Gallery between **10am–5pm**, with late opening on **Wednesday 21 September, 10am–9pm** Admission is **FREE**.

**No Greater Fear Than The Unseen: The Virtual Reality Experience**  
 Escherichia coli bacteria is deadly. It can induce a sense of fear. It can cause illness and death. It may also be medicine's brightest hope. Our immersive virtual reality experience brings you face to face with this amazing, terrifying bug. (see pages 26–43)

**Memories in the Digital Age: Project, Protect and Preserve**  
 Our DVDs and hard drives won't last forever. Or even for as long as a reel of celluloid film. As we live through a period of rapid technological change, how can we make sure our memories are preserved for future generations? (see pages 26–43)

This thought provoking installation showcases rare pieces from the University's special collections archive, alongside work by some of Sheffield's first film pioneers. The idea is to start an important conversation about the preservation of digital records. (see pages 26–43)

**#happysheffield**  
 You'd be forgiven for thinking that happiness can't be measured. But what if there was a digital display in the city centre, that told you how happy Sheffield was at any given time? That's right, we've made one. (see pages 26–43)

**An Artistic Journey Into the Physics of Light**  
 Artists Samantha Bryan, Gareth Jones and Sharon Mossbeck worked with academics to develop artistic interpretations of scientific discoveries on four themes: Generating Light, Harnessing Light, Computing with Light, and Beyond Light. (see pages 26–43)

**Structural Colour: Iridescence**  
 Artist Paul Evans presents an ambitious exhibition of work in various media, including 2D paintings created in a virtual reality environment. The title piece is a real-world installation made from 3D, human-scale versions of the 2D works. (see pages 26–43)

**Theatres of the Mind: Dissecting Brain Function**  
 Our Victorian-style horror theatre looks at how brains were studied in the past, complete with gruesome trepanning and gory dissections! There are lectures, demos, games and dancing. And you can find out about 21st-century brain surgery too. (see pages 26–43)

**Stars in the Brain**  
 This immersive digital installation takes you inside the human brain to follow the day-to-day workings of astrocytes, the star-like cells that we literally can't live without. Astrocytes do the brain's tidying up, clearing a space around the neurons so they can do their work: helping us to move, think and feel. (see pages 26–43)

**The Hidden Life of Light**  
 These entertaining animations reveal how scientists could use light to help build quantum computers – machines so fast, so efficient they will make today's technology seem crude. The latest animation of the series about the use of ultrathin single-atom-thick materials in quantum science will be premiered and will be only available at Festival of the Mind. (see pages 26–43)

**Dancing with Robots**  
 Sheffield Robotics study the way humans work in order to make better robots. This breathtaking performance, featuring robots alongside human dancers, offers an entertaining glimpse of the future. (see pages 26–43)

**From Vinaigrette to Plastic Electronics**  
 This immersive, interactive exhibition takes you inside the microscale world of plastic electronics to demonstrate the science that makes curved TV and other technologies possible. The process is called phase separation. The same thing happens when oil and water separate – as in a salad dressing. (see pages 26–43)

**Voices Along the Road: Messages From Our Future Selves**  
 If your future self could travel back in time to talk to you, what would she/he say? Would this insight help you make better choices? Poets Rob Hindle and Linda Lee Welch, and composer Michael Harding explore the concept of future selves in an immerse poetry and sound installation. (see pages 26–43)

**Gaiamycota**  
 Professor Duncan Cameron's address to the World Climate Change Conference in Paris (2015) carried a stark warning: our planet is becoming infertile. But his message is optimistic. Gaiamycota uses sculpture, photography, film and performance to explain how fungus could be used to re-engineer the planet's soil and save humanity. (see pages 26–43)

**The Virtual Hole in the Road**  
 Now you can relive part of Sheffield's history. Using 3D modelling and virtual reality technology, we've recreated the legendary Hole in the Road, an underground shopping precinct that was at the heart of the city centre from 1967 to 1994. Just put on the headset, and you're there. (see pages 26–43)

**Moving Wallpaper**  
 Not the unwanted side effect of a night out, but an idea that's set to transform interior design. Think William Morris with a futuristic twist. Artist and designer Sarah Jane Palmer has combined lenticular printing technology with more traditional methods to create wallpaper patterns that appear to move. (see pages 26–43)

## Futurecade (continued)

### RIOT

Director Karen Palmer, Producer at Crossover Labs, and Professor Hongying Meng from the Department of Electronic and Computer Engineering at Brunel University present RIOT.

RIOT takes you on a personalised journey through a protest march, which escalates into a dangerous riot. It is an immersive, live-action adventure, which uses facial recognition and eye-tracking technology to allow you to navigate through a branching narrative based on your emotional responses. The audience will feel fully immersed in a volatile world of looting, gangs of activists and intimidating police officers. Your ability to make it through safely depends on your emotional reactions to the characters and situations. Your emotions are the remote control and the experience will reflect the moral consequences of your reactions. Do you know yourself well enough to survive a RIOT? (see pages 26–43)

### The Regret-o-tron

Director Rachel Genn from Studio Rckt presents The Regret-o-Tron. Could you be addicted to regret? The “boffins” at the National Facility For Regulation of Regret have developed hundreds of diagnostic tests to recognise, measure, and quantify regret. Normally they charge hundreds of pounds to administer this test, but they’re kindly loaning it to the Futurecade exhibition - the first time this test has been performed on the public outside of the Facility.

Answer as many questions about your behavioural tendencies as you can, and take away your results. You may be eligible for the NFRR weekend treatment package! (see pages 26–43)

### Polyfauna

Studio: The Universal Everything, Music Radiohead. Polyfauna is an exploratory audiovisual app, born out of Radiohead’s The King of Limbs sessions and the sketchbooks of Stanley Donwood. The mysterious, immersive app is brought to life through touch and offers a unique and different set of experiences and encounters each time it’s used. A pioneering new collision between digital art and the world of apps, the collaboration sees the creation of abstracted, expanded and exploded versions of audio and visual work by the band. (see pages 26–43)



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## Off the Shelf 2016

### Off the Shelf at Festival of the Mind

Working with our partner Off the Shelf Festival of Words to celebrate its 25th anniversary in the city, we are proud to present seven taster events to get you in the mood. Events will be held in the Spiegeltent between **12 and 1pm**. Admission is **FREE**.

### Thursday 15 September

#### Foraged in Sheffield with Patrick Harding

Where to find edible mushrooms and wild plants in the city. (see page 23)

### Friday 16 September

#### Remembering Amy Johnson with Ann Beedham

Illustrated talk about the pioneering aviator and her Sheffield links. (see page 25)

### Monday 19 September

#### Edward Carpenter with Suzanne Bingham

A talk about the Victorian socialist who fought for Sheffield workers’ rights and inspired Gandhi. (see page 31)

### Tuesday 20 September

#### The Empathy Problem with Gavin Extence

The award-winning author talks about his latest novel and how Sheffield has shaped his writing. (see page 33)

### Wednesday 21 September

#### Out of the Ordinary with Sally Goldsmith

Sally sings songs and reads poems inspired by the words of Sheffield people. (see page 35)

### Thursday 22 September

#### Sheffield’s Brewing Heritage with John Dowd

Charting the dramatic history of Sheffield’s brewing industry from 1750 onwards. (see page 37)

### Friday 23 September

#### The Heart of it with Seni Seneviratne

Poetry and song to change hearts and minds. (see page 39)

With thanks to Off the Shelf.

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## Portland Works

### Portland Works Inside Out

#### Friday 23–Saturday 24 September

In 1914, the Portland Works produced the world's first stainless steel cutlery. Today it is a hub for gifted craftspeople. We'll tell the story of the Works through lectures and films. And we're having a street party, with food and music! (see pages 39 & 41)

#### Friday 23 September

Digital installations, incorporating both the inside and outside will explore the past and present usage of the works.

#### Saturday 24 September

Street party with live music, stalls and drinks. The Bare Project will bring the place to life through a series of performances.

For more info and booking go to  
[www.portlandworks.co.uk](http://www.portlandworks.co.uk)



### Year of Making presents: Made in Sheffield

Join us in the Spiegelent for a series of fascinating conversations with some of Sheffield's most inspirational makers. Throughout the festival, jewellery makers, silversmiths, toymakers, knife makers, milliners and theatre producers will be talking about their influences, their processes, and their products.

#### Friday 16 September

1.30–2.30pm

#### Sarah Sharp

Theatre Delicatessen producer.  
(see page 25)

#### Monday 19 September

2–3pm

#### Giles Glover and Sophie Cooke

The team behind hat makers  
Imogen's Imagination. (see page 31)

#### Tuesday 20 September

1.30–2.30pm

#### Chris Boland and Keith Tyssen

Jewellery and metalwork.  
(see page 33)

#### Wednesday 21 September

1.30–2.30pm

**Steve Anwar** specialises in  
sculptural furniture using  
industrial materials.

**Wentworth Pewter's** handcrafts  
are sold all over the world.  
(see page 35)

#### Thursday 22 September

1.30–2.30pm

#### Portland Works

One of the new breed of Little  
Mester cutlers. (see page 37)

#### Friday 23 September

1.30–2.30pm

#### Brett Payne and

#### Charlotte Tollyfield

Leading contemporary silversmiths.  
(see page 39)

Year of Making in partnership with  
Museums Sheffield and Sheffield  
Culture Consortium. With thanks to  
Tamar Millen and Louisa Briggs.



## The Spiegeltent

Thursday 15–Sunday 25 September  
Barker's Pool, open from 11am

### THE SPIEGELTENT CAFE BAR

Open until 6pm daily for fresh, locally sourced food and drinks, including sandwiches, soups, artisan pies and Birdhouse teas. Fairtrade coffee supplied by the Union's own Coffee Revolution. The bar has soft drinks, wines, craft ales and artisan gins.

### THE SPIEGELTENT AT NIGHT

During the evenings, the Spiegeltent hosts an eclectic series of entertainment curated by the Sheffield Students' Union. There's opera (*La Boheme*) and Steve Lamacq premieres his new one-man show.

Other highlights include a Festival of the Mind special from The Tuesday Club, a guest set from the Leadmill Comedy Club, and St Etienne's Bob Stanley, spinning French chanson, 60s beat and Yeah Yeah pop. (see page 22–29 and 33–41)

For a full list of events and dates, pick up a Spiegeltent brochure or see the Union website. [sheffield.su.com](http://sheffield.su.com)

### Co-producing Utopia:

#### Hope in the City

What kind of city do the people of Sheffield want? What's the future we'd like to see? We asked people from all over the city to record their hopes and dreams and save them in our Hope Bank. Come and join in our public debate with artists, academics and faith leaders and share your ideas. (see page 22)

### 13 Teeth

Mike Futcher and Mark Gwynne Jones's short film is a gothic thriller about a man who thinks the voices in his head are coming from his teeth. His quest to extract them (EEK!) leads to a terrifying revelation. This event may not be suitable for young children (see page 24)

### Urban Turbines

With the help of turbine expert Ava Shahrokhi, Department of Mechanical Engineering, we'll discuss the pros and cons of wind turbine technology. There will be live demonstrations and a Q&A. (see page 25)

### Is There Anyone Out There?

Imagine an astrophysics lecture delivered by a stand-up comedian and you'll still have no idea what to expect from *600 People*, a performance piece that asks the question: are there extra-terrestrials in our galaxy?

After the show, writer/performer Alexander Kelly and astrophysicist Simon Goodwin talk about their collaboration and answer your questions. (see page 26)

### Elephants in Entertainment

To celebrate the Sheffield Herd project, Professor Vanessa Toulmin looks at the history of the circus elephant and the reasons behind its decline in popularity. The true stories of incredible animals such as Maharajah, the elephant who walked from Edinburgh to Manchester, and Sheffield's own Lizzie Ward, are fascinating and moving. (see page 27)

Spiegeltent, Barker's Pool, Open throughout the festival  
(see website for events)

## The Spiegeltent (continued)

treatments. (see page 30)

### Why Read Harlequin Mills & Boon Romances?

Mills & Boon novels have an audience of 50 million worldwide. Their popularity has endured. So why should you be ashamed of reading them? PhD student Val Derbyshire argues that the books have genuine literary value. (see page 27 & 37)

### Food for Thought: The Great Food Sustainability Quiz

Do you know which vegetables have the biggest carbon footprint? Or how much fertiliser we use every year? This quiz, led by researchers from the University's Grantham Centre for Sustainable Futures, is a fun way to find out how much you know – and to learn more. (see page 28)

### Lost Voices

This highly charged performance fuses slam poetry, powerful and moving acrobatics and contemporary dance to tell the stories of young people and families living with Attention Deficit Hyperactivity Disorder (ADHD). Suitable for all ages. (see page 29 & 30)

### ADJOIN: Understanding Arthritis

Artist and educator Trish O'Shea's worked with Professor Mark Wilkinson and filmmaker/photographer Jackie Jones to bring you this exhibition and talk exploring her own personal experience of arthritis and surgery using photography, text, drawing and 3D work. She aims to increase awareness and understanding of the physical, emotional and psychological effects of the condition to help clinicians and patients develop better

### Fear of the Unseen: Engineering Good Bacteria (An Art-Science Encounter)

Work by the painter, muralist and screenprinter Florence Blanchard explores the hidden world of bacteria cells to raise awareness of how nature can be engineered to produce chemicals that make industry cleaner and mitigate the effects of climate change. You can also meet the scientists behind the research. (see page 30)

### Sheffield's Peregrine Project

Academic David Wood, Chair of the Sheffield Bird Study Group, tells the extraordinary story of the peregrines of St George's, the region's only successful urban breeding pair of peregrine falcons. (see page 31)

### The Songs of Joseph Mather

Ray Hearne performs songs by the 18th century file cutter and balladeer. Joseph Mather's songs have survived in print, but many of them haven't been heard in 200 years. This project brings them back to life and gives us a unique new perspective on a fascinating period in Sheffield's history. (see page 31)

### The Yorkshire Health Study

Animated film documenting Yorkshire's healthy and not-so-healthy lifestyle habits, based on over five years of intensive research by the University's School of Health and Related Research. (see page 31)

### Rainworks

In partnership with Off the Shelf we've collaborated with Peregrine Church from America on a project called Rainworks. Peregrine has created water-activated art in Seattle with poems that are only visible when it rains. In what will be a UK premiere, you can get to experience this here in Sheffield. Sites in the city and some out of town will reveal Yorkshire sayings and Sheffield song lyrics, as if by magic, but only when it rains! Don't miss the talk with artists, scientists and the festival director Professor Vanessa Toulmin to discuss the science behind this incredible art. (see page 33)

### Aftermath: Local poets read from Derek Collins' posthumous collection

Like many poets, Derek Collins came to poetry relatively late in life, and left a lasting impression. The poems in Derek's posthumous collection were chosen by poets he inspired, like Peter Sansom, who praised Derek for his "intelligence, craft and warmth" and "his way of looking at the world, so likeable, so astute and open." (see page 34)

### Melting, Bending and Breaking the Rules

Artist Alex Chinneck and structural engineer Simon Smith talk about the challenge of creating a major piece of public art in Tinsley, an area that was once famous for heavy industry, now noted for its biodiversity. What might the future hold for this extraordinary place, and how can art capture its essence? (see page 36)

### Sheffield DNA

Does being born and bred in Sheffield give you certain traits? If so, what are they? Writer, performer and Sheffield lad in exile Christopher Green looks at what Sheffield people have to offer the world in this ingenious, entertaining, one-off lecture. Christopher Green is a multi-award-winning writer and performer, creator of two unforgettable showbiz characters, Tina C and Ida Barr. He performs on Radio 4 and tours internationally. (see page 41)

### Space for Sharing

Sheffield theatre company Dead Earnest present a performance based on the real experiences of women living with breast cancer who use the web to share information and experiences about their illness. Followed by an open discussion, led by the researchers who collected these moving stories. (see page 41)

### A Life of Activism: The Legend of James Montgomery

James Montgomery was a political activist, labelled a traitor and imprisoned twice for voicing his beliefs. When he died, Sheffield went into mourning for one of its most beloved citizens. This performance uses archive material to tell his moving story. (see page 42)

## The Spiegeltent (continued)

### MODE:DEFAULT

Dance based on the University's research into Alzheimer's disease. The default mode network is an area of the brain affected in the early stages of the disease. The performance dramatises the process and our efforts to stop it. (see page 43)

### Meet the Maker: Karen Palmer

Karen Palmer creates interactive experiences in which the audience is an integral part of the storytelling experience. She is an award winning film director and digital artist. Her work fuses immersive storytelling technologies such as neurogaming and AR with the powerful medium of film. She will be talking about her new Futurecade commission RIOT: a browser-based, live action, branching narrative with 3D audio that uses the player's emotions to dictate whether or not they can navigate through a dangerous riot unscathed. (see page 23)

### Futurecade – Art of the Future

What will art look like in 2025?  
What is the future for galleries?  
Will technology change everything?  
We've invited a panel of artists and curators to answer your questions, and to talk about some of the groundbreaking work that's already being done. (see page 28)

### Telling the Bees

Children and young people present a fun, interactive family-friendly performance, specially produced by Growtheatre and members of its youth theatre with Sheffield Beekeepers' Association. The work contains stories about bees and beekeeping inspired by research undertaken in conjunction with the University's Department of Archaeology. (see pag 41)

### #happysheffield – talk

Mark Stevenson and Chris Blackmore present data on happiness levels that were measured during the FOTM period in Sheffield. (see page 36)

### Researchers Night

**Following Festival of the Mind**  
For one night only, hundreds of universities across Europe open their doors to the public.

Sheffield is one of a handful of UK universities taking part. There will be interactive experiments, weird and wonderful artefacts, debates, quizzes and talks. For a full list of activities, see our website.

**30 September** on University of Sheffield Campus



Fear of the Unseen

## Thursday 15 September

**ADJOIN: Understanding Arthritis**  
– exhibition

9

11am–4pm  
**Bank Street Arts**

**Aquaponics**

3

8am–8pm  
**Winter Garden**

**Co-producing Utopia: Hope in the City**

1

4.30pm–6pm  
**Spiegelent**

**Datadrones**

15

11am–4pm  
**Sheffield Institute  
of Arts Gallery**

**Earn Your Stripes: Artful Zebrafish**

8

**Weston Park**

**Festival of the Mind and  
Futurecade projections**

Various times  
**Various locations**

**Foodhall – Jeremy Till**

10

7pm  
**Foodhall**

**Football Stories**

3

8am–8pm  
**Winter Garden**

**Grantham Centre: Food Footprints**

9

11am–4pm  
**Bank Street Arts**

**Hyperbolic Forest**

9

11am–4pm  
**Bank Street Arts**

**In a Dark Wood: Words and Images  
of Mental Distress Across a Century**

9

11am–4pm  
**Bank Street Arts**

**Little City of Makers**

12

10am–6pm  
**Alt Seen Eye**

**Meet the Maker: Karen Palmer**

1

1.30pm–2.30pm  
**Spiegelent**

**Metabolon: Visual Journey through  
Chlorophyll biosynthesis**

2

8am–6.30pm  
**Sheffield Cathedral**

**Night on the Tiles Community Art Project**

10

See website  
**Foodhall**

**Off the Shelf at Festival of the Mind –  
Foraged in Sheffield with Patrick Harding**

1

12pm–1pm  
**Spiegelent**

**The Journey of Reproductive Life – artwork**

9

11am–4pm  
**Bank Street Arts**

**The Spiegelent at Night – Jam Jar**

1

9pm–1am  
**Spiegelent**

**The Spiegelent Cafe Bar**

1

11am–6pm  
**Spiegelent**

**Urban Turbines: Installation**

14

24hrs  
**DINA**

**Urban Turbines: Projections of a  
Sustainable Future**

Various times  
**Various locations**

**Visions of the Future: Rocket1 street art**

See website



## Friday 16 September

<b>13 Teeth</b>	 See website <b>Spiegelent</b>
<b>ADJOIN: Understanding Arthritis – exhibition</b>	 11am–4pm <b>Bank Street Arts</b>
<b>Aquaponics</b>	 8am–8pm <b>Winter Garden</b>
<b>After Dark at the Denny Museum</b>	 See website <b>Alfred Denny Museum</b>
<b>Datadrones</b>	 11am–4pm <b>Sheffield Institute of Arts Gallery</b>
<b>Earn Your Stripes: Artful Zebrafish</b>	 <b>Weston Park</b>
<b>Festival of the Mind and Futurecade projections</b>	Various times Various locations
<b>Football Stories</b>	 8am–8pm <b>Winter Garden</b>
<b>Grantham Centre: Food Footprints</b>	 11am–4pm <b>Bank Street Arts</b>
<b>Hyperbolic Forest</b>	 11am–4pm <b>Bank Street Arts</b>
<b>In a Dark Wood: Words and Images of Mental Distress Across a Century</b>	 11am–4pm <b>Bank Street Arts</b>
<b>Little City of Makers</b>	 10am–6pm <b>Alt Seen Eye</b>

<b>Metabolon: Visual Journey through Chlorophyll biosynthesis</b>	 8am–6.30pm <b>Sheffield Cathedral</b>
<b>Night on the Tiles Community Art Project</b>	 See website <b>Foodhall</b>
<b>Off the Shelf at Festival of the Mind – Remembering Amy Johnson with Ann Beedham</b>	 12pm–1pm <b>Spiegelent</b>
<b>The Journey of Reproductive Life – artwork</b>	 11am–4pm <b>Bank Street Arts</b>
<b>The Spiegelent at Night – The Tuesday Club presents...</b>	 9pm–2am <b>Spiegelent</b>
<b>The Spiegelent Cafe Bar</b>	 11am–6pm <b>Spiegelent</b>
<b>Urban Turbines: A Really Big Fan!</b>	 4.30pm–5.30pm <b>Spiegelent</b>
<b>Urban Turbines: Installation</b>	 24hrs <b>DINA</b>
<b>Urban Turbines: Projections of a Sustainable Future</b>	Various times Various locations
<b>Visions of the Future: Rocket1 street art</b>	See website
<b>Year of Making presents: Made in Sheffield Sarah Sharp</b>	 1.30pm–2.30pm <b>Spiegelent</b>

## Saturday 17 September

**ADJOIN: Understanding Arthritis**  
– exhibition

 11am–4pm  
**Bank Street Arts**

**Futurecade – An Artistic Journey Into the Physics of Light**

 10am–5pm  
**Millennium Gallery**

**Aquaponics**

 8am–8pm  
**Winter Garden**

**Futurecade – Dancing with Robots**

 10am–5pm  
**Millennium Gallery**

**Datadrones**

 11am–4pm  
**Sheffield Institute of Arts Gallery**

**Earn Your Stripes: Artful Zebrafish**

  10am–3pm  
**Art House**

**Festival of the Mind and Futurecade projections**

Various times  
**Various locations**

**Festival of the Mind at Moor Market**

 9am–5pm  
**The Moor Market**

**Foodhall – Foodhall Jamboree**

 6pm  
**Foodhall**

**Football Stories**

 8am–8pm  
**Winter Garden**

**Futurecade – From Vinaigrette to Plastic Electronics**

 10am–5pm  
**Millennium Gallery**

**Futurecade – Galamycota – exhibit**

 10am–5pm  
**Millennium Gallery**


**Grantham Centre: Food Footprints**

 11am–4pm  
**Bank Street Arts**

**Futurecade – #happysheffield**

 10am–5pm  
**Millennium Gallery**

**Hope Bank**

 1.30pm–4.30pm  
**Art House**

**Hyperbolic Forest**

 11am–4pm  
**Bank Street Arts**


**In a Dark Wood: Words and Images of Mental Distress Across a Century**

 11am–4pm  
**Bank Street Arts**

**Is There Anyone Out There?**

 3pm–5pm  
**Spiegel tent**

**Little City of Makers**

 10am–6pm  
**Ait Seen Eye**

**Futurecade – Memories in the Digital Age: Project, Protect and Preserve**

 10am–5pm  
**Millennium Gallery**

**Metabolon: Visual Journey through Chlorophyll biosynthesis**

 8am–6.30pm  
**Sheffield Cathedral**

**Futurecade – Moving Wallpaper**

 10am–5pm  
**Millennium Gallery**

**Night on the Tiles Community Art Project**

 See website  
**Foodhall**

**Futurecade – No Greater Fear Than The Unseen: The Virtual Reality Experience**

 10am–5pm  
**Millennium Gallery**

**Futurecade– Stars in the Brain**

 10am–5pm  
**Millennium Gallery**

**Elephants in Entertainment**

 5pm–6pm  
**Spiegel tent**

**Futurecade – Structural Colour: Iridescence**

 10am–5pm  
**Millennium Gallery**

**Futurecade – The Hidden Life of Light**

 10am–5pm  
**Millennium Gallery**

**The Journey of Reproductive Life – artwork**

 11am–4pm  
**Bank Street Arts**

**The Spiegel tent at Night – Tu Veux Ou Tu Veux Pas?**

 9pm–1am  
**Spiegel tent**

**The Spiegel tent Cafe Bar**

 11am–6pm  
**Spiegel tent**

**Futurecade – The Virtual Hole in the Road**

 10am–5pm  
**Millennium Gallery**

**Futurecade – Theatres of the Mind: Dissecting Brain Function**

 10am–5pm  
**Millennium Gallery**

**Urban Turbines: Installation**

 24hrs  
**DINA**

**Urban Turbines: Motorised Motifs Crafternoon**

 11am–4pm  
**DINA**

**Urban Turbines: Projections of a Sustainable Future**

Various times  
**Various locations**

**Visions of the Future: Rocket1 street art**

See website

**Futurecade – Voices Along the Road: Messages From Our Future Selves**

 10am–5pm  
**Millennium Gallery**

**Why Read Harlequin Mills & Boon Romances?**

 2pm–2.30pm  
**Spiegel tent**

## Sunday 18 September

<b>ADJOIN: Understanding Arthritis – exhibition</b>		11am–4pm <b>Bank Street Arts</b>
<b>Futurecade – An Artistic Journey Into the Physics of Light</b>		10am–5pm <b>Millennium Gallery</b>
<b>Aquaponics</b>		8am–6pm <b>Winter Garden</b>
<b>Futurecade – Dancing with Robots</b>		10am–5pm <b>Millennium Gallery</b>
<b>Datadrones</b>		11am–4pm <b>Sheffield Institute of Arts Gallery</b>
<b>Earn Your Stripes: Artful Zebrafish</b>		<b>Weston Park</b>
<b>Earn Your Stripes: Artful Zebrafish Zebrafish art workshop</b>		12pm–4pm <b>Firth Court</b>
<b>Festival of the Mind and Futurecade projections</b>		Various times <b>Various locations</b>
<b>Festival of the Mind at Moor Market</b>		9am–5pm <b>The Moor Market</b>
<b>Food for Thought: The Great Food Sustainability Quiz</b>		4pm–6pm <b>Spiegelent</b>
<b>Football Stories</b>		8am–8pm <b>Winter Garden</b>
<b>Futurecade – From Vinaigrette to Plastic Electronics</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade: Art in the Future</b>		1pm–2.30pm <b>Spiegelent</b>
<b>Futurecade – Galamycota – exhibit</b>		10am–5pm <b>Millennium Gallery</b>
<b>Grantham Centre: Food Footprints</b>		11am–4pm <b>Bank Street Arts</b>
<b>Futurecade – #happysheffield</b>		10am–5pm <b>Millennium Gallery</b>
<b>Hyperbolic Forest</b>		11am–4pm <b>Bank Street Arts</b>
<b>In a Dark Wood: Words and Images of Mental Distress Across a Century</b>		11am–4pm <b>Bank Street Arts</b>

<b>Lost Voices</b>		3pm–3.30pm <b>Spiegelent</b>
<b>Futurecade – Memories in the Digital Age: Project, Protect and Preserve</b>		10am–5pm <b>Millennium Gallery</b>
<b>Metabolon: Visual Journey through Chlorophyll biosynthesis</b>		8am–6.30pm <b>Sheffield Cathedral</b>
<b>Futurecade – Moving Wallpaper</b>		10am–5pm <b>Millennium Gallery</b>
<b>Night on the Tiles Community Art Project</b>		See website <b>Foodhall</b>
<b>Futurecade – No Greater Fear Than The Unseen: The Virtual Reality Experience</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade– Stars in the Brain</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – Structural Colour: Iridescence</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – The Hidden Life of Light</b>		10am–5pm <b>Millennium Gallery</b>
<b>The Journey of Reproductive Life – artwork</b>		11am–4pm <b>Bank Street Arts</b>
<b>The Spiegelent at Night – The Leadmill Comedy Club presents Robin Ince and Pappy's</b>		7.30pm–11pm <b>Spiegelent</b>
<b>The Spiegelent Cafe Bar</b>		11am–6pm <b>Spiegelent</b>
<b>Futurecade – The Virtual Hole in the Road</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – Theatres of the Mind: Dissecting Brain Function</b>		10am–5pm <b>Millennium Gallery</b>
<b>Urban Turbines: Installation</b>		24hrs <b>DINA</b>
<b>Urban Turbines: Projections of a Sustainable Future</b>		Various times <b>Various locations</b>
<b>Visions of the Future: Rocket! street art</b>		See website
<b>Futurecade – Voices Along the Road: Messages From Our Future Selves</b>		10am–5pm <b>Millennium Gallery</b>

## Monday 19 September

**ADJOIN: Understanding Arthritis**  
– exhibition

 11am–4pm  
**Bank Street Arts**

**ADJOIN: Understanding Arthritis**  
– talk

 4pm–5pm  
**Spiegeltent**

**Futurecade – An Artistic Journey Into**  
**the Physics of Light**

 10am–5pm  
**Millennium Gallery**

**Aquaponics**

 8am–8pm  
**Winter Garden**

**Futurecade – Dancing with Robots**

 10am–5pm  
**Millennium Gallery**

**Datadrones**

 11am–4pm  
**Sheffield Institute**  
**of Arts Gallery**

**Earn Your Stripes: Artful Zebrafish**

  **Weston Park &**  
**10am–4pm Art House**

**Fear of the Unseen:**  
**Engineering Good Bacteria**

 5pm–5.45pm  
**Spiegeltent**

**Festival of the Mind and**  
**Futurecade projections**

Various times  
**Various locations**

**Football Stories**

 8am–8pm  
**Winter Garden**

**Futurecade – From Vinaigrette to**  
**Plastic Electronics**

 10am–5pm  
**Millennium Gallery**

**Futurecade – Galamycota – exhibit**

 10am–5pm  
**Millennium Gallery**

**Grantham Centre: Food Footprints**

 11am–4pm  
**Bank Street Arts**

**Futurecade – #happysheffield**

 10am–5pm  
**Millennium Gallery**

**Hyperbolic Forest**

 11am–4pm  
**Bank Street Arts**

**In a Dark Wood: Words and Images**  
**of Mental Distress Across a Century**

 11am–4pm  
**Bank Street Arts**

**Little City of Makers**

 10am–6pm  
**Alt Seen Eye**

**Lost Voices**

 3pm–4pm  
**Spiegeltent**

**Futurecade – Memories in the Digital Age:**  
**Project, Protect and Preserve**

 10am–5pm  
**Millennium Gallery**

**Metabolon: Visual Journey through**  
**Chlorophyll biosynthesis**

 8am–6.30pm  
**Sheffield Cathedral**

**Futurecade – Moving Wallpaper**

 10am–5pm  
**Millennium Gallery**

**Night on the Tiles Community Art Project**

 See website  
**Foodhall**

**Futurecade – No Greater Fear Than**  
**The Unseen: The Virtual Reality Experience**

 10am–5pm  
**Millennium Gallery**

**Off the Shelf at Festival of the Mind**  
**Edward Carpenter with Suzanne Bingham**

 12pm–1pm  
**Spiegeltent**

**Sheffield's Peregrine Project**

 8pm–9pm  
**Spiegeltent**

**Futurecade– Stars in the Brain**

 10am–5pm  
**Millennium Gallery**


**Futurecade – Structural Colour: Iridescence**

 10am–5pm  
**Millennium Gallery**

**Futurecade – The Hidden Life of Light**

 10am–5pm  
**Millennium Gallery**


**The Journey of Reproductive Life – artwork**

 11am–4pm  
**Bank Street Arts**

**The Songs of Joseph Mather**

 6pm–7.30pm  
**Spiegeltent**

**The Spiegeltent Cafe Bar**

 11am–6pm  
**Spiegeltent**

**Futurecade – The Virtual Hole in the Road**

 10am–5pm  
**Millennium Gallery**

**The Yorkshire Health Study**

 1pm–1.45pm  
**Spiegeltent**

**Futurecade – Theatres of the Mind:**  
**Dissecting Brain Function**

 10am–5pm  
**Millennium Gallery**

**Urban Turbines: Installation**

 24hrs  
**DINA**

**Urban Turbines: Projections of a Sustainable**  
**Future**

Various times  
**Various locations**

**Visions of the Future: Rocket1 street art**

See website

**Futurecade – Voices Along the Road:**  
**Messages From Our Future Selves**

 10am–5pm  
**Millennium Gallery**

**Year of Making presents: Made in Sheffield**  
**Giles Glover and Sophie Cooke**

 2pm–3pm  
**Spiegeltent**



## Tuesday 20 September

<b>ADJOIN: Understanding Arthritis – exhibition</b>	 9	11am–4pm <b>Bank Street Arts</b>
<b>After Dark at the Denny Museum</b>	 7	See website <b>Alfred Denny Museum</b>
<b>Futurecade – An Artistic Journey Into the Physics of Light</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Aquaponics</b>	 3	8am–8pm <b>Winter Garden</b>
<b>Futurecade – Dancing with Robots</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Datadrones</b>	 15	11am–4pm <b>Sheffield Institute of Arts Gallery</b>
<b>Earn Your Stripes: Artful Zebrafish</b>	 8  16	<b>Weston Park &amp; Art House</b> 10am–4pm
<b>Earn your Stripes – talk</b>	 1	5pm–6pm <b>Spiegeltent</b>
<b>Festival of the Mind and Futurecade projections</b>		Various times <b>Various locations</b>
<b>Football Stories</b>	 3	8am–8pm <b>Winter Garden</b>
<b>Futurecade – From Vinaigrette to Plastic Electronics</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – Galamycota – exhibit</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Grantham Centre: Food Footprints</b>	 9	11am–4pm <b>Bank Street Arts</b>
<b>Futurecade – #happysheffield</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Hyperbolic Forest</b>	 9	11am–4pm <b>Bank Street Arts</b>
<b>In a Dark Wood: Words and Images of Mental Distress Across a Century</b>	 9	11am–4pm <b>Bank Street Arts</b>
<b>Little City of Makers</b>	 12	10am–6pm <b>Alt Seen Eye</b>
<b>Futurecade – Memories in the Digital Age: Project, Protect and Preserve</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Metabolon: Visual Journey through Chlorophyll biosynthesis</b>	 2	8am–6.30pm <b>Sheffield Cathedral</b>

<b>Futurecade – Moving Wallpaper</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Night on the Tiles Community Art Project</b>	 10	See website <b>Foodhall</b>
<b>Futurecade – No Greater Fear Than The Unseen: The Virtual Reality Experience</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Off the Shelf at Festival of the Mind The Empathy Problem with Gavin Extence</b>	 1	12pm–1pm <b>Spiegeltent</b>
<b>Rainworks – talk</b>	 1	3pm–4pm <b>Spiegeltent</b>
<b>Sebastian Conran Lecture: Form Follows Fabrication: Made in Sheffield</b>	 2	7pm–8pm <b>Sheffield Cathedral</b>
<b>Futurecade– Stars in the Brain</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Steel Stories - A selection of makers films</b>	 11	8pm <b>Showroom Cinema</b>
<b>Futurecade – Structural Colour: Iridescence</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – The Hidden Life of Light</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>The Journey of Reproductive Life – artwork</b>	 9	11am–4pm <b>Bank Street Arts</b>
<b>The Spiegeltent at Night – Opera On Location presents: La Bohème</b>	 1	8pm–11pm <b>Spiegeltent</b>
<b>The Spiegeltent Cafe Bar</b>	 1	11am–6pm <b>Spiegeltent</b>
<b>Futurecade – The Virtual Hole in the Road</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – Theatres of the Mind: Dissecting Brain Function</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Urban Turbines: Installation</b>	 14	24hrs <b>DINA</b>
<b>Urban Turbines: Projections of a Sustainable Future</b>		Various times <b>Various locations</b>
<b>Visions of the Future: Rocket1 street art</b>		See website
<b>Futurecade – Voices Along the Road: Messages From Our Future Selves</b>	 4	10am–5pm <b>Millennium Gallery</b>
<b>Year of Making presents: Made in Sheffield Chris Boland and Keith Tyssen</b>	 1	1.30pm–2.30pm <b>Spiegeltent</b>

## Wednesday 21 September

**ADJOIN: Understanding Arthritis**  
– exhibition

9 11am–9pm  
**Bank Street Arts**

**Aftermath: Derek Collins' poetry**

1 5pm–6pm  
**Spiegeltent**

**Futurecade – An Artistic Journey Into the Physics of Light**

4 10am–9pm  
**Millennium Gallery**

**Aquaponics**

3 8am–8pm  
**Winter Garden**

**Futurecade – Dancing with Robots**

4 10am–9pm  
**Millennium Gallery**

**Datadrones**

15 11am–9pm  
**Sheffield Institute of Arts Gallery**

**Earn Your Stripes: Artful Zebrafish**

8 16 11am–4pm  
**Weston Park & Art House**

**Foodhall – Julia Udall**

10 7pm  
**Foodhall**

**Football Stories**

3 8am–8pm  
**Winter Garden**

**Futurecade – From Vinaigrette to Plastic Electronics**

4 10am–9pm  
**Millennium Gallery**

**Futurecade – Galamycota – exhibit**

4 10am–9pm  
**Millennium Gallery**

**Grantham Centre: Food Footprints**

9 11am–9pm  
**Bank Street Arts**

**Futurecade – #happysheffield**

4 10am–9pm  
**Millennium Gallery**

**Hyperbolic Forest**

9 11am–9pm  
**Bank Street Arts**

**In a Dark Wood: Words and Images of Mental Distress Across a Century**

9 11am–9pm  
**Bank Street Arts**

**Little City of Makers**

12 10am–6pm  
**Alt Seen Eye**

**Futurecade – Memories in the Digital Age: Project, Protect and Preserve**

4 10am–9pm  
**Millennium Gallery**

**Metabolon: Visual Journey through Chlorophyll biosynthesis**

2 8am–6.30pm  
**Sheffield Cathedral**

**Futurecade – Moving Wallpaper**

4 10am–9pm  
**Millennium Gallery**

**Night on the Tiles Community Art Project**

10 See website  
**Foodhall**

**Futurecade – No Greater Fear Than The Unseen: The Virtual Reality Experience**

4 10am–9pm  
**Millennium Gallery**

**Off the Shelf at Festival of the Mind Out of the Ordinary with Sally Goldsmith**

1 12pm–1pm  
**Spiegeltent**

**Sounds of the Birds**

6 7.30pm  
**Firth Hall**

**Futurecade– Stars in the Brain**

4 10am–9pm  
**Millennium Gallery**

**Futurecade – Structural Colour: Iridescence**

4 10am–9pm  
**Millennium Gallery**

**Futurecade – The Hidden Life of Light**

4 10am–9pm  
**Millennium Gallery**

**The Journey of Reproductive Life – artwork**

9 11am–9pm  
**Bank Street Arts**

**The Journey of Reproductive Life – talk**

1 4pm–5pm  
**Spiegeltent**

**The Spiegeltent at Night – Film Unit presents: Spiegelcinema**

1 8.00pm  
**Spiegeltent**

**The Spiegeltent Cafe Bar**

1 11am–6pm  
**Spiegeltent**

**Futurecade – The Virtual Hole in the Road**

4 10am–9pm  
**Millennium Gallery**

**Futurecade – Theatres of the Mind: Dissecting Brain Function**

4 10am–9pm  
**Millennium Gallery**

**Urban Turbines: Installation**

14 24hrs  
**DINA**

**Urban Turbines:**

Various times

**Projections of a Sustainable Future**

Various locations

**Visions of the Future: Rocket1 street art**

See website

**Futurecade – Voices Along the Road: Messages From Our Future Selves**

4 10am–9pm  
**Millennium Gallery**

**Year of Making presents: Made in Sheffield Steve Anwar**

1 1.30pm–2.30pm  
**Spiegeltent**

## Thursday 22 September

<b>ADJOIN: Understanding Arthritis – exhibition</b>		11am–4pm <b>Bank Street Arts</b>
<b>Futurecade – An Artistic Journey Into the Physics of Light</b>		10am–5pm <b>Millennium Gallery</b>
<b>Aquaponics</b>		8am–8pm <b>Winter Garden</b>
<b>Futurecade – Dancing with Robots</b>		10am–5pm <b>Millennium Gallery</b>
<b>Datadrones</b>		11am–4pm <b>Sheffield Institute of Arts Gallery</b>
<b>Earn Your Stripes: Artful Zebrafish</b>	 	<b>Weston Park &amp; Art House</b> 10am–4pm
<b>Festival of the Mind and Futurecade projections</b>		Various times <b>Various locations</b>
<b>Foodhall</b>		7pm <b>Foodhall</b>
<b>Football Stories</b>		8am–8pm <b>Winter Garden</b>
<b>Futurecade – From Vinaigrette to Plastic Electronics</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – Galamycota – exhibit</b>		10am–5pm <b>Millennium Gallery</b>
<b>Grantham Centre: Food Footprints</b>		11am–4pm <b>Bank Street Arts</b>
<b>#happysheffield – talk</b>		5.30pm–6pm <b>Spiegeltent</b>
<b>Futurecade – #happysheffield</b>		10am–5pm <b>Millennium Gallery</b>
<b>Hyperbolic Forest</b>		11am–4pm <b>Bank Street Arts</b>
<b>In a Dark Wood: Words and Images of Mental Distress Across a Century</b>		11am–4pm <b>Bank Street Arts</b>
<b>Lecture from Alex Chenock – Melting, bending and breaking the rules</b>		3pm–4pm <b>Spiegeltent</b>
<b>Little City of Makers</b>		10am–6pm <b>Alt Seen Eye</b>
<b>Futurecade – Memories in the Digital Age: Project, Protect and Preserve</b>		10am–5pm <b>Millennium Gallery</b>

<b>Metabolon: Visual Journey through Chlorophyll biosynthesis</b>		8am–6.30pm <b>Sheffield Cathedral</b>
<b>Futurecade – Moving Wallpaper</b>		10am–5pm <b>Millennium Gallery</b>
<b>Night on the Tiles Community Art Project</b>		See website <b>Foodhall</b>
<b>Futurecade – No Greater Fear Than The Unseen: The Virtual Reality Experience</b>		10am–5pm <b>Millennium Gallery</b>
<b>Off the Shelf at Festival of the Mind Sheffield's Brewing Heritage with John Dowd</b>		12pm–1pm <b>Spiegeltent</b>
<b>Futurecade– Stars in the Brain</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – Structural Colour: Iridescence</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – The Hidden Life of Light</b>		10am–5pm <b>Millennium Gallery</b>
<b>The Journey of Reproductive Life – artwork</b>		11am–4pm <b>Bank Street Arts</b>
<b>The Spiegeltent at Night – The Shefferendum</b>		8pm <b>Spiegeltent</b>
<b>The Spiegeltent Cafe Bar</b>		11am–6pm <b>Spiegeltent</b>
<b>Futurecade – The Virtual Hole in the Road</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – Theatres of the Mind: Dissecting Brain Function</b>		10am–5pm <b>Millennium Gallery</b>
<b>Urban Turbines: Installation</b>		24hrs <b>DINA</b>
<b>Urban Turbines: Projections of a Sustainable Future</b>		Various times <b>Various locations</b>
<b>Visions of the Future: Rocket1 street art</b>		See website
<b>Futurecade – Voices Along the Road: Messages From Our Future Selves</b>		10am–5pm <b>Millennium Gallery</b>
<b>Year of Making presents: Made in Sheffield Portland Works</b>		1.30pm–2.30pm <b>Spiegeltent</b>
<b>Why Read Harlequin Mills &amp; Boon Romances?</b>		4.45–5.15pm <b>Spiegeltent</b>

## Friday 23 September

**ADJOIN: Understanding Arthritis – exhibition**

9

11am–4pm  
**Bank Street Arts**

**Futurecade – An Artistic Journey Into the Physics of Light**

4

10am–5pm  
**Millennium Gallery**

**Aquaponics**

3

8am–8pm  
**Winter Garden**

**Futurecade – Dancing with Robots**

4

10am–5pm  
**Millennium Gallery**

**Datadrones**

15

11am–4pm  
**Sheffield Institute of Arts Gallery**

**Earn Your Stripes: Artful Zebrafish**

8

16

**Weston Park & Art House**  
10am–3pm

**Football Stories**

3

8am–8pm  
**Winter Garden**

**Futurecade – From Vinaigrette to Plastic Electronics**

4

10am–5pm  
**Millennium Gallery**

**Futurecade – GaiaMYCOTA – exhibit**

4

10am–5pm  
**Millennium Gallery**

**GaiamyCOTA – performance**

1

3.40–4pm  
**SpiegelTent**

**Grantham Centre: Food Footprints**

9

11am–4pm  
**Bank Street Arts**

**Futurecade – #happysheffield**

4

10am–5pm  
**Millennium Gallery**

**Hyperbolic Forest**

9

11am–4pm  
**Bank Street Arts**

**In a Dark Wood: Words and Images of Mental Distress Across a Century**

9

11am–4pm  
**Bank Street Arts**

**Little City of Makers**

12

10am–6pm  
**Alt Seen Eye**

**Futurecade – Memories in the Digital Age: Project, Protect and Preserve**

4

10am–5pm  
**Millennium Gallery**

**Metabolon: Visual Journey through Chlorophyll biosynthesis**

2

8am–6.30pm  
**Sheffield Cathedral**

**Futurecade – Moving Wallpaper**

4

10am–5pm  
**Millennium Gallery**

**Night on the Tiles Community Art Project**

10

See website  
**Foodhall**

**Futurecade – No Greater Fear Than The Unseen: The Virtual Reality Experience**

4

10am–5pm  
**Millennium Gallery**

**Off the Shelf at Festival of the Mind The Heart of It with Seni Seneviratne**

1

12pm–1pm  
**SpiegelTent**

**Portland Works Inside Out**

5

See website  
**Portland Works**

**Futurecade– Stars in the Brain**

4

10am–5pm  
**Millennium Gallery**

**Futurecade – Structural Colour: Iridescence**

4

10am–5pm  
**Millennium Gallery**

**Futurecade – The Hidden Life of Light**

4

10am–5pm  
**Millennium Gallery**

**The Journey of Reproductive Life – artwork**

9

11am–4pm  
**Bank Street Arts**

**The SpiegelTent at Night – Steve Lamacq's Going Deaf For A Living plus Fuzz Club!**

1

8pm–1am  
**SpiegelTent**

**The SpiegelTent Cafe Bar**

1

11am–6pm  
**SpiegelTent**

**Futurecade – The Virtual Hole in the Road**

4

10am–5pm  
**Millennium Gallery**

**Futurecade – Theatres of the Mind: Dissecting Brain Function**

4

10am–5pm  
**Millennium Gallery**

**Urban Turbines: Installation**

14

24hrs  
**DINA**

**Urban Turbines: Projections of a Sustainable Future**

Various times  
**Various locations**

**Visions of the Future: Rocket1 street art**

See website

**Futurecade – Voices Along the Road: Messages From Our Future Selves**

4

10am–5pm  
**Millennium Gallery**

**Year of Making presents: Made in Sheffield Brett Payne and Charlotte Tollyfield**

1

1.30pm–2.30pm  
**SpiegelTent**



## Saturday 24 September

**ADJOIN: Understanding Arthritis**  
– exhibition

9 11am–4pm  
**Bank Street Arts**

**Futurecade – An Artistic Journey Into the Physics of Light**

4 10am–5pm  
**Millennium Gallery**

**Aquaponics**

3 8am–8pm  
**Winter Garden**

**Futurecade – Dancing with Robots**

4 10am–5pm  
**Millennium Gallery**

**Datadrones**

15 11am–4pm  
**Sheffield Institute of Arts Gallery**

**Earn Your Stripes: Artful Zebrafish**

8 16 10am–3pm  
**Art House**

**Festival of the Mind at Moor Market**

13 9am–5pm  
**The Moor Market**

**Foodhall – Full Bins, Empty Bellies, Lonely Lives: The Story of Food Poverty and Social Isolation in a Land of Plenty**

10 6pm  
**Foodhall**

**Football Stories**

3 8am–8pm  
**Winter Garden**

**Futurecade – From Vinaigrette to Plastic Electronics**

4 10am–5pm  
**Millennium Gallery**

**Futurecade – Galamycota – exhibit**

4 10am–5pm  
**Millennium Gallery**

**Grantham Centre: Food Footprints**

9 11am–4pm  
**Bank Street Arts**

**Futurecade – #happysheffield**

4 10am–5pm  
**Millennium Gallery**

**Hyperbolic Forest**

9 11am–4pm  
**Bank Street Arts**

**In a Dark Wood: Words and Images of Mental Distress Across a Century**

9 11am–4pm  
**Bank Street Arts**

**Little City of Makers**

12 10am–6pm  
**Alt Seen Eye**

**Futurecade – Memories in the Digital Age: Project, Protect and Preserve**

4 10am–5pm  
**Millennium Gallery**

**Metabolon: Visual Journey through Chlorophyll biosynthesis**

2 8am–6.30pm  
**Sheffield Cathedral**

**Futurecade – Moving Wallpaper**

4 10am–5pm  
**Millennium Gallery**

**Night on the Tiles Community Art Project**

10 See website  
**Foodhall**

**Futurecade – No Greater Fear Than The Unseen: The Virtual Reality Experience**

4 10am–5pm  
**Millennium Gallery**

**Portland Works Inside Out**

5 See website  
**Portland Works**

**Sheffield DNA**

1 4pm–6pm  
**Spiegeltent**

**Space for Sharing**

1 11am–1pm  
**Spiegeltent**

**Futurecade– Stars in the Brain**

4 10am–5pm  
**Millennium Gallery**

**Futurecade – Structural Colour: Iridescence**

4 10am–5pm  
**Millennium Gallery**

**Telling the Bees**

1 2pm–3.30pm  
**Spiegeltent**

**Futurecade – The Hidden Life of Light**

4 10am–5pm  
**Millennium Gallery**

**The Journey of Reproductive Life – artwork**

9 11am–4pm  
**Bank Street Arts**

**The Spiegeltent at Night – Banana Hill presents...**

1 9pm–2am  
**Spiegeltent**

**The Spiegeltent Cafe Bar**

1 11am–6pm  
**Spiegeltent**

**Futurecade – The Virtual Hole in the Road**

4 10am–5pm  
**Millennium Gallery**

**Futurecade – Theatres of the Mind: Dissecting Brain Function**

4 10am–5pm  
**Millennium Gallery**

**Urban Turbines: Installation**

14 24hrs  
**DINA**

**Urban Turbines: Projections of a Sustainable Future**

Various times  
**Various locations**

**Visions of the Future: Rocket1 street art**

See website

**Futurecade – Voices Along the Road: Messages From Our Future Selves**

4 10am–5pm  
**Millennium Gallery**

## Sunday 25 September

<b>A Life of Activism: The Legend of James Montgomery</b>		12pm–1pm & 3pm–4pm <b>Spiegeltent</b>
<b>ADJOIN: Understanding Arthritis – exhibition</b>		11am–4pm <b>Bank Street Arts</b>
<b>Futurecade – An Artistic Journey Into the Physics of Light</b>		10am–5pm <b>Millennium Gallery</b>
<b>Aquaponics</b>		8am–6pm <b>Winter Garden</b>
<b>Futurecade – Dancing with Robots</b>		10am–5pm <b>Millennium Gallery</b>
<b>Datadrones</b>		11am–4pm <b>Sheffield Institute of Arts Gallery</b>
<b>Earn Your Stripes: Artful Zebrafish</b>		<b>Weston Park</b>
<b>Football Stories</b>		8am–8pm <b>Winter Garden</b>
<b>Futurecade – From Vinaigrette to Plastic Electronics</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – Galamycota – exhibit</b>		10am–5pm <b>Millennium Gallery</b>
<b>Grantham Centre: Food Footprints</b>		11am–4pm <b>Bank Street Arts</b>
<b>Futurecade – #happysheffield</b>		10am–5pm <b>Millennium Gallery</b>
<b>Hyperbolic Forest</b>		11am–4pm <b>Bank Street Arts</b>
<b>In a Dark Wood: Words and Images of Mental Distress Across a Century</b>		11am–4pm <b>Bank Street Arts</b>
<b>Futurecade – Memories in the Digital Age: Project, Protect and Preserve</b>		10am–5pm <b>Millennium Gallery</b>

<b>Metabolon: Visual Journey through Chlorophyll biosynthesis</b>		8am–6.30pm <b>Sheffield Cathedral</b>
<b>MODE:DEFAULT</b>		11.15am, 1.15pm & 4.15pm <b>Spiegeltent</b>
<b>Futurecade – Moving Wallpaper</b>		10am–5pm <b>Millennium Gallery</b>
<b>Night on the Tiles Community Art Project</b>		See website <b>Foodhall</b>
<b>Futurecade – No Greater Fear Than The Unseen: The Virtual Reality Experience</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade– Stars in the Brain</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – Structural Colour: Iridescence</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – The Hidden Life of Light</b>		10am–5pm <b>Millennium Gallery</b>
<b>The Journey of Reproductive Life – artwork</b>		11am–4pm <b>Bank Street Arts</b>
<b>The Spiegeltent Cafe Bar</b>		11am–6pm <b>Spiegeltent</b>
<b>Futurecade – The Virtual Hole in the Road</b>		10am–5pm <b>Millennium Gallery</b>
<b>Futurecade – Theatres of the Mind: Dissecting Brain Function</b>		10am–5pm <b>Millennium Gallery</b>
<b>Urban Turbines: Installation</b>		24hrs <b>DINA</b>
<b>Urban Turbines: Projections of a Sustainable Future</b>		Various times <b>Various locations</b>
<b>Visions of the Future: Rocket1 street art</b>		See website
<b>Futurecade – Voices Along the Road: Messages From Our Future Selves</b>		10am–5pm <b>Millennium Gallery</b>

Our Spiegeltent, Millennium Galleries, Winter Garden and Sheffield Cathedral are fully accessible. For other venues please refer to the website.



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