

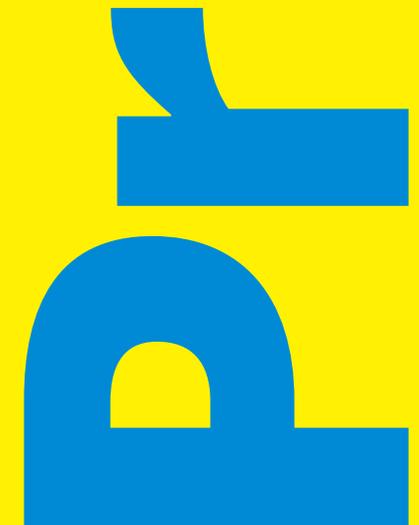
Friday
5pm–9pm
Admission:
Free
Location:
Trinity's
Front Square



30.09.16

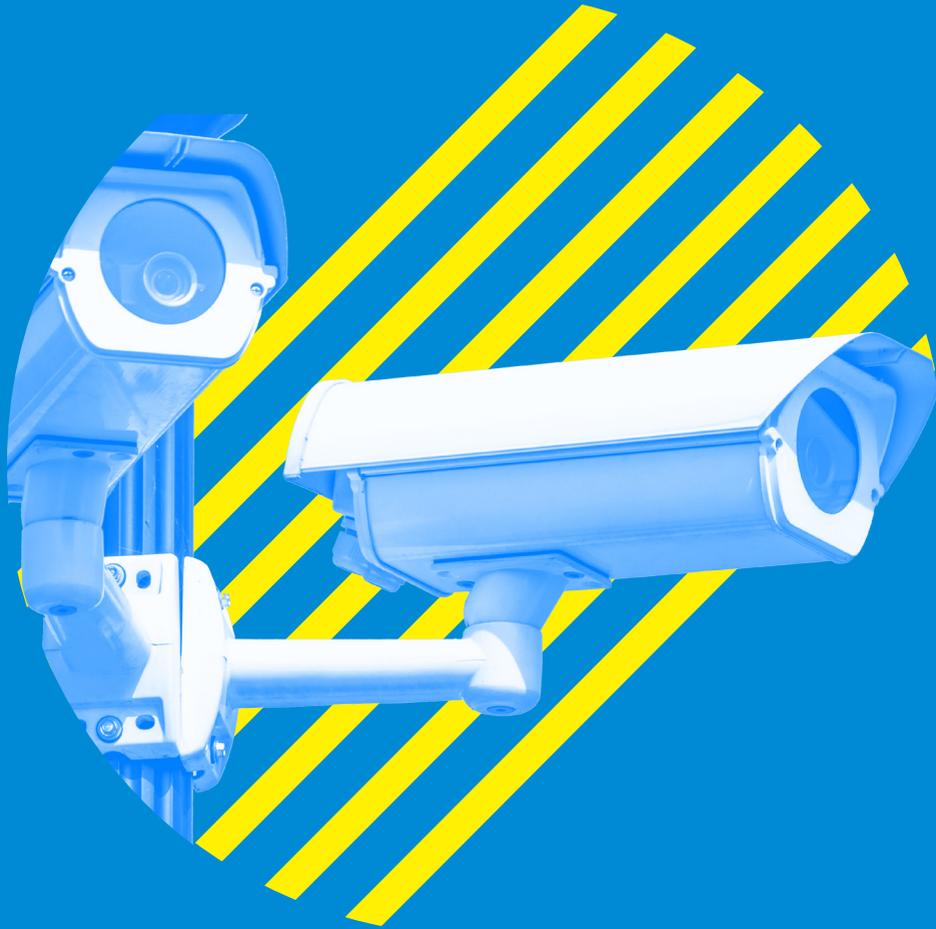


**Research
uncovered
at Trinity
College
Dublin**



THIS EUROPEAN RESEARCHERS'
NIGHT PROJECT IS FUNDED BY THE
EUROPEAN COMMISSION UNDER THE
MARIE SKŁODOWSKA-CURIE ACTIONS.





WHAT IS THIS ALL ABOUT?

Welcome to Probe,
an evening where together,
by participating and
connecting to cutting-edge
research at Trinity College
Dublin, we can delve
into society's big issues.

This event is part of EU
Researchers' Night and an
opportunity for everyone to
participate in conversations
about how we can make
things better — locally and
globally. We hope you enjoy!

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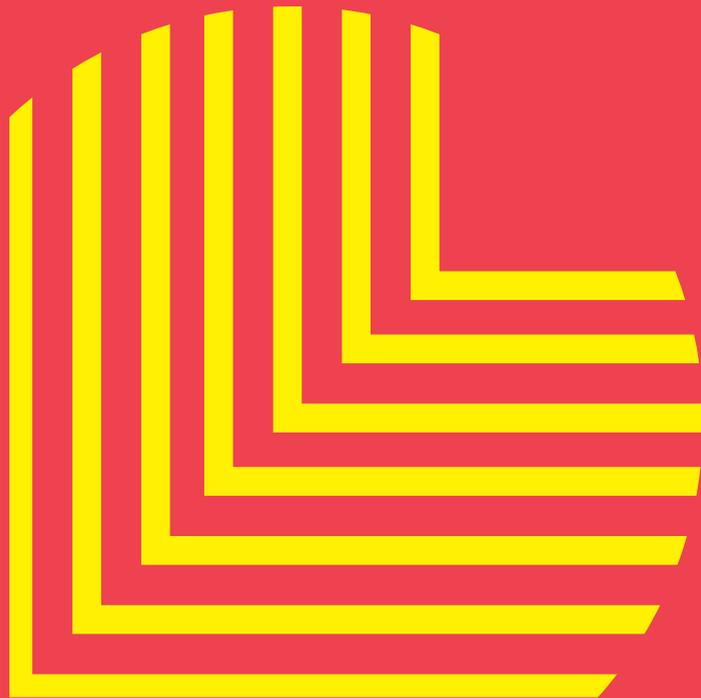
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MAP

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Trinity Campus





Get Personal

TIMES

5pm–7pm

Message Banking

Tell us the pet names, in-jokes, and personal phrases that make up your own unique vocabulary, and find out how Caroline Jagoe is saving them for people who are losing their ability to speak.

5pm–8pm

Brain

Researchers from Trinity College Institute of Neuroscience will offer you the opportunity to hook up to an EEG machine and examine your brainwaves.

5pm–8pm

Pupils

Are the eyes the window to the brain? Neuroscientists will demonstrate pupil dilation and the neural mechanisms this relates to.

5pm–8pm

Sign Language

Find out how Lorraine Leeson's analysis of Dara Ó Briain and Chris Hadfield's hand movements can give us a better understanding of sign language and how we interpret it.

5pm–8pm

Lungs

Find out how Seonadh O'Leary is using the body's own immune system to fight tuberculosis, and look at lung samples that reveal how smoking impacts the disease.

5pm–8pm

Learning

Take part in research on learning a second language, and discover how the brain learns new information.

5pm–8pm

EU Corner

Find out about the Marie Skłodowska Curie Actions, and how they fund vitally important research across the EU, with the Irish Universities Association.

5pm–8pm

HEADS

The HEADS project (Head protection: a European network for Advanced Designs in Safety), aims to reach a new level of understanding of sport-related head injury and how it can be prevented. Try on some different types of helmets, learn how accident reconstruction helps researchers understand the factors influencing head injuries, and see how helmets are tested.

7.30pm–8pm

Women Are Boring

WAB is a blog dedicated to featuring fascinating research by interesting women. Co-founded in May 2016 by Catherine Connolly and Grace McDermott, who wanted to hear more from women in all areas of academia. WAB will be doing short vox pops with women in research during Probe to ask them why their research matters, what inspires them, and what's the one thing people should know about life as a researcher.

5pm–8pm

Unique Immune Systems

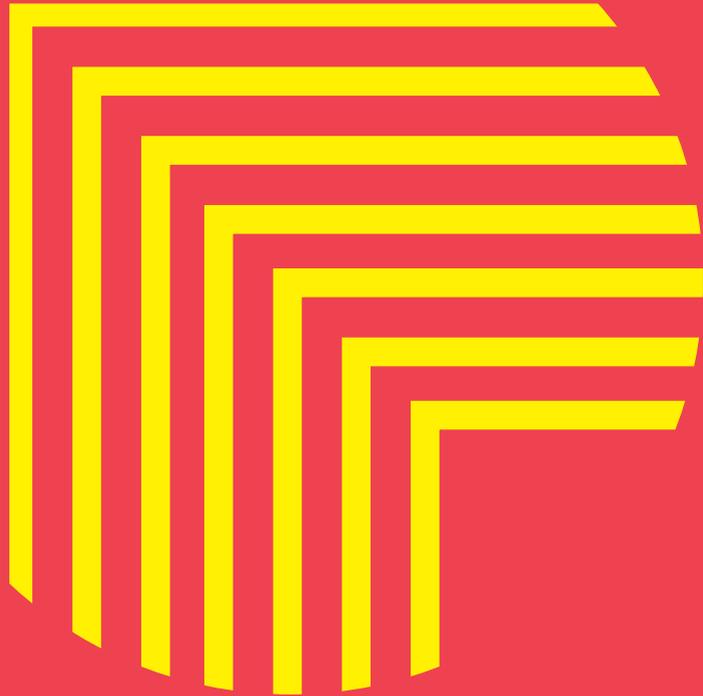
Cliona O'Farrelly and her team from TBSI are hoping to locate around 370 women who were infected with Hep C between 1977-79 and never developed any signs of infection. The team believes there may be something unique about their immune systems that allowed them to resist infection — investigating this may help treat future cases of Hep-C, and other viruses too.

5pm–7pm

Connect

Chat with Giovanni Frazzetto about the psychology and neuroscience of intimacy and human connection.

Maker Space



TIMES

5pm–7pm

MAKESHOP

Created by Science Gallery, the aim of MAKESHOP is to provide people with the tools, materials and guidance they need to get making, where creativity is encouraged and everyone is welcome. MAKESHOP will run some of their signature workshops.

5pm–7pm

Be a Badger

Test your badger knowledge — where you think their stripes go? You'll also have the chance to see how badgers are tracked, work out where they go, and see maps of badger movement. Lead by Rachel Byrne with Aoibheann Gaughran and Georgia O'Sullivan.

5pm–7pm

Parasites Alive!

Which animals are infected with parasites? Find out about the parasites that cause tropical diseases, track the life-cycle of parasites, and see a tape worm explode out of its cyst live! Led by Celia Holland, Gwen Deslyper, Peter Stuart, Maureen Williams and Paula Tierney.

5pm–8pm

BigFoot

Analyse your digital footprint with BigFoot, and see a live view of how much personal information you're leaking through social media.

5pm–8pm

Med3DP

Check out affordable 3D-printed medical devices, how they are used and developed by TCD's Bioengineering Masters project.

5pm–8pm

The Pip

Take the opportunity to try out The Pip, a thumb-sized device that measures and manages your stress levels using biofeedback.

5pm–8pm

Magical Materials

Magical Materials is a mini-exhibition that explores the peculiar properties of the world's most futuristic and spectacular materials. See, touch and experience magical materials from CRANN and AMBER.

5pm–8pm

RoboSlam

Get hands-on with robots. The RoboSlam team will help you learn how to build a bot!

5pm–8pm

Bridge Building Challenge

Can you build a bridge in your kitchen? Try out some different ideas and figure out which bridge design can carry the greatest weight, using only spaghetti and sticky tape! DIT engineers will be on hand to provide you with some helpful hints.

5pm–8pm

Augmented Reality Sandbox

Trinity Geology present an opportunity to talk about geology through an interactive AR sandbox with projection mapping that changes topography as you move the sand.

5pm–8pm

Irish Amphibians

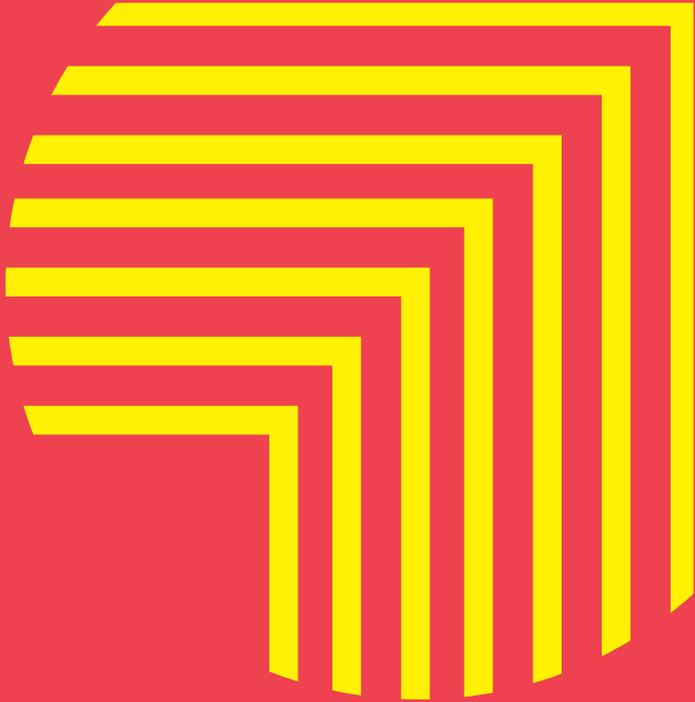
Get up close and personal with Trinity's research on rare Pennsylvanian amphibians from Kilkenny.

5pm–8pm

Ore to the Core

Researchers from iCRAG show the relationship between ores, rocks, minerals and their crucial role in everyday life.

Food Tent



TIMES

5pm–6pm

Surplus Food Meal

With the assistance at FoodCloud and ShareCity (from the Department of Geography), Fiona Hallinan and the DU Food & Drink Society will create a meal from leftover, extra, and soon-to-be-dumped food.

5pm–7pm

Cloud Picker

Roasting and cupping demos from Cloud Picker, Dublin City's first micro coffee roastery.

5pm–8pm

Endophytes Demo

Isolate the symbiotic microorganisms that live in and protect plants, and discover how they might lead to cleaner, more sustainable agricultural practices.

5pm–8pm

Pollinated Cosmetics

A demonstration of high-end cosmetic products that wouldn't exist without insect pollinators.

5pm–8pm

ShareCity

Browse the ShareCity database, where people can explore the global network of food-sharers. Come speak with researchers about the potential impact of this work and the challenges of creating an infrastructure and legislation for sharing, and add your own thoughts and suggestions to the debate.

5pm–8pm

Science Gallery Café Stand

Soup, stewp and hot drinks available all night.

5pm–8pm

Microbiome

Explore the gut biome and its connection to overall health with Ruairi Robertson.

5pm–9pm

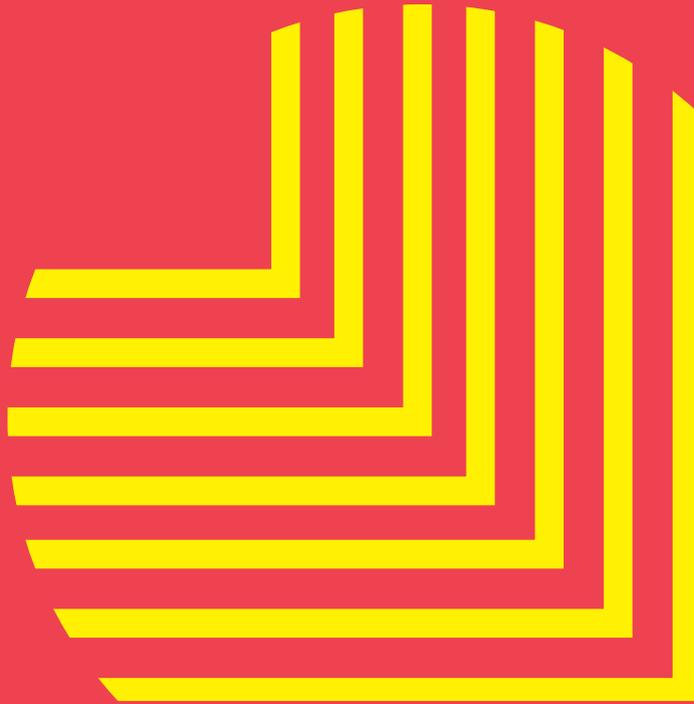
Sharing Station

WeShare Dublin provide a space where people can leave something they don't need, take something they do need, or reduce their carbon footprint for a more sustainable and caring world.

6pm–6.30pm

Pollinator Food Demo

A cooking demonstration and Q&A with chef Clare Anne O'Keefe and botanist Jane Stout, who have developed a recipe entirely from animal-pollinated food.



Main Stage

TIMES

6pm–7pm

Short Talks

Curated and hosted by the Irish Research Council, this event features seven five-minute long talks by seven early-career researchers, each addressing a different grand societal challenge. Curated and hosted by the Irish Research Council.

7.15pm–7.45pm

Music from Carol Anne McGowan

Experience Carol Anne's timeless, haunting folk-noir, with a captivating burnished style of vocal that has been compared to Beth Gibbons, Hope Sandoval, Karen Dalton and Nancy Sinatra.

8.15pm–9pm

Music from Stomptown Brass

Get down with the New Orleans style vibes of this urban brass band based in Dublin, playing original music written and composed by James O'Leary.

5.20pm–5.40pm

Liam O'Connor & Seán McKeon

Traditional music on fiddle and uilleann pipes from two of Ireland's most exciting performers.



Campanile

TIMES

All Night

Sun at Night

Students from the School of Physics will project 48 hours of recent footage of the sun vertically into the Campanile to create an immersive experience that engages visitors in the concepts of solar physics. This event is kindly supported by the HEA — Dublin Graduate Physics Programme.

All night

Radio data soundscape

A soundscape that will play in the Campanile to accompany the sun projection, using sonified radio data from the sun. This event is kindly supported by the HEA — Dublin Graduate Physics Programme.

5pm–7pm

Birdsong

(Next to Campanile)

Want to try being a birdsong researcher? Can you trap birds and analyse birdsong? Researchers use differences between birds' songs to determine what species they are. Throw toy birds in a net, play birdsongs and match pictures of birds to their songs. Lead by Darren O'Connell, Andrew Mooney and Annabel Smith.



Vaults

TIMES

5pm–8pm

Spatial Music

Experience a 360° music performance in virtual reality, by composer and researcher Enda Bates.

5pm–8pm

AR Sandbox

iCRAG present an opportunity to talk about geology through an interactive augmented reality sandbox with projection mapping that changes topography as you move the sand.

5pm–8pm

Deep Flow

See the water beneath your feet using an interactive groundwater model that lets you pump from deep.

5pm–8pm

Ice Core Isotopes

Researchers from IsoNose demonstrate how ice cores can be used to interpret isotope patterns to understand past climate change.

5pm–8pm

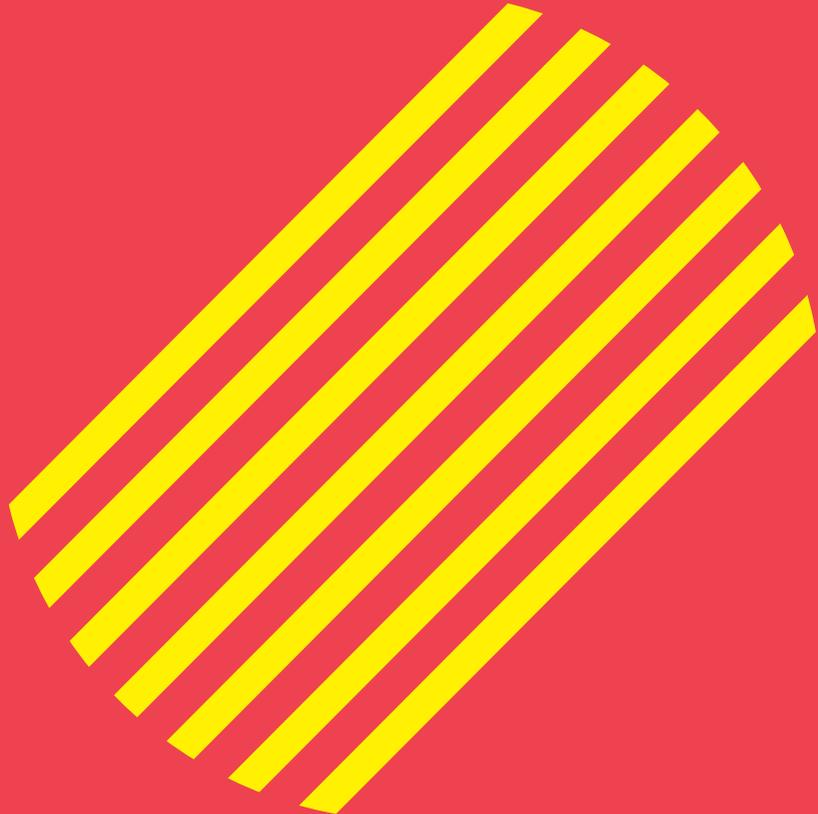
Listening Post

Listen to audio documentaries that connect with TCD research themes and researchers.

5pm–8pm

Coffee and Snacks

Coffee and snacks available in the Buttery all night.



Debating Chamber

TIMES

5pm–6pm

Ethical Dilemmas in Science and Medicine

Hosted by science writer Claire O'Connell *Silicon Republic, The Irish Times* and featuring biomedical scientists Cliona O'Farrelly and Orla Shiels, and philosophy researcher Luna Dolezal. This event will look at the recruitment of patients for health studies, the role of law in medicine, and how shame and stigma can impact patients.

6.30pm–7pm

Thesis in 3: Part One

This fast-paced event sees researchers present their theses in three minutes. Organised by CRANN / AMBER and hosted by Jessamyn Fairfield.

7pm–7.15pm

Thesis in 3: Interval Act

Join comedian Alison Spittle for this interlude and her seriously funny insight into all things research.

7.15pm–8pm

Thesis in 3: Part Two

This fast-paced event will see researchers present their theses in three minutes. Organised by CRANN and AMBER, hosted by Jessamyn Fairfield.



Conv- ersation Room

TIMES

7pm–8pm

Sustainable, Shareable Food

Hosted by artist Zack Denfeld (The Center For Genomic Gastronomy) and featuring geographer Anna Davies, botanists Jane Stout and Brian Murphy, and chef Clare Anne O’Keefe, this event will look at initiatives to distribute surplus food in urban areas, research on insect pollination and microbes that improve plant health, and the role of art and culture in food systems.

8pm–9pm

Duelling Davids

Brecht’s play will be performed in its original German form, in an English language literary translation, and — keeping Brecht’s spirit of competition alive — assorted machine-translated versions. The discussion after the reading to explore these issues will include translator/director Nicholas Johnson, expert in translation studies James Hadley, expert in ancient translation traditions David Shepherd, and expert in computational linguistics Carl Vogel.



Trinity Long Room Hub

TIMES

5.30pm–6.30pm

Changing Ireland, Changing Law

Can legal action trigger positive social change? Law professors Ivana Bacik and Mary Rogan will be joined in this debate by Máirín De Burca, David Norris, and Lydia Foy — three litigants whose cases sparked legal and social change in Ireland — as well as Rachel Power from the Public Interest Law Alliance.

7pm–8pm

Migrants and Risk

How can we, as a society, support migrants who are at risk? This debate is hosted by Dil Wickremasinghe from Newstalk's Global Village, and featuring Trinity's Gillian Wylie (Irish School of Ecumenics), Daniel Faas (Sociology) and Roja Fazaeli (Near and Middle Eastern Studies).

5pm–8pm

Digital Repository and Imaging Service

Explore the work of Trinity's DRIS (Digital Resources & Imaging Services), a department dedicated to the development of digital library collections to support research, teaching and scholarship. The team from DRIS in collaboration with researchers in the ADAPT Centre will be demoing a mobile app linking the Harry Clarke Studios records in the DRIS Digital Collections database with geolocation information from the Ordinance Survey of Ireland and Google maps to help users find churches with Harry Clarke Studios stained glass windows.

5pm–8pm

Exhibition

Trinity Biomedical Sciences Institute recently celebrated its fifth birthday with a competition for the best images taken within their laboratories. See the finalists in this pop-up exhibition.



The Old Library

TIMES

5pm–7pm

The Book of Kells

The Book of Kells is Ireland's greatest cultural treasure and the world's most famous medieval manuscript. The 9th century book is a richly decorated copy of the four Gospels.

5pm–7pm (every 30 mins)

Hidden Histories: Researching the Treasures of the Library

Join library experts Susie Bioletti, Marco di Bella, Andrew Megaw, and Felicity O'Mahoney in the exhibition area and discover how they research, interpret and conserve the treasures of the Library. Get an insight into the imagery, materials and techniques that were used to produce our most precious early manuscripts, such as the Book of Kells. Take a look down a microscope at the tell-tale characteristics of parchment and leather, and handle some of the raw materials used to create, and to conserve, the early book structures. Take a closer look at the detail and learn about the meanings hidden in the decoration.

7pm–8pm

Reconstructing The Past (The Long Room)

From meteor impacts to ancient scrolls, join us for a storytelling event in Trinity's iconic Long Room that reveals the different ways researchers look to the past. Featuring geologist Ian Sanders on reconstructing our planet's ancient past, zoologist Nicola Marples on understanding the evolution of life, geneticist Dan Bradley on decoding humanity's past by looking at our DNA, and archivist Jane Maxwell on uncovering and protecting the artefacts of human culture.



Berkeley Library

TIMES

5pm–8pm (every 30 mins)

Research in the Everything Library

What does it mean to have the entire published universe of two jurisdictions, the UK and Ireland, at your fingertips? What kind of research is needed in order to help researchers navigate this universe? See how a book ends up in the catalogue, how researchers can read library materials without ever setting foot in a library building, how electronic publications are collected, and how even transient web pages are captured for posterity.



Douglas Hyde Gallery

TIMES

11am–6pm

Exhibition

See a new body of work by Irish photographer Samuel Laurence Cunnane, taken on a recent journey through the Balkans, Turkey, and Iran, and a selection of textiles from the Atlas region of Morocco.

5pm–5.30pm

Lift Film Screening

Screening of the documentary short *Lift*, the debut film by acclaimed director Marc Isaacs. Entirely shot within the elevator of a London tower block, his interactions with the inhabitants, at times amusing and poignant, form a microcosm of the multicultural city.

Trinity Campus

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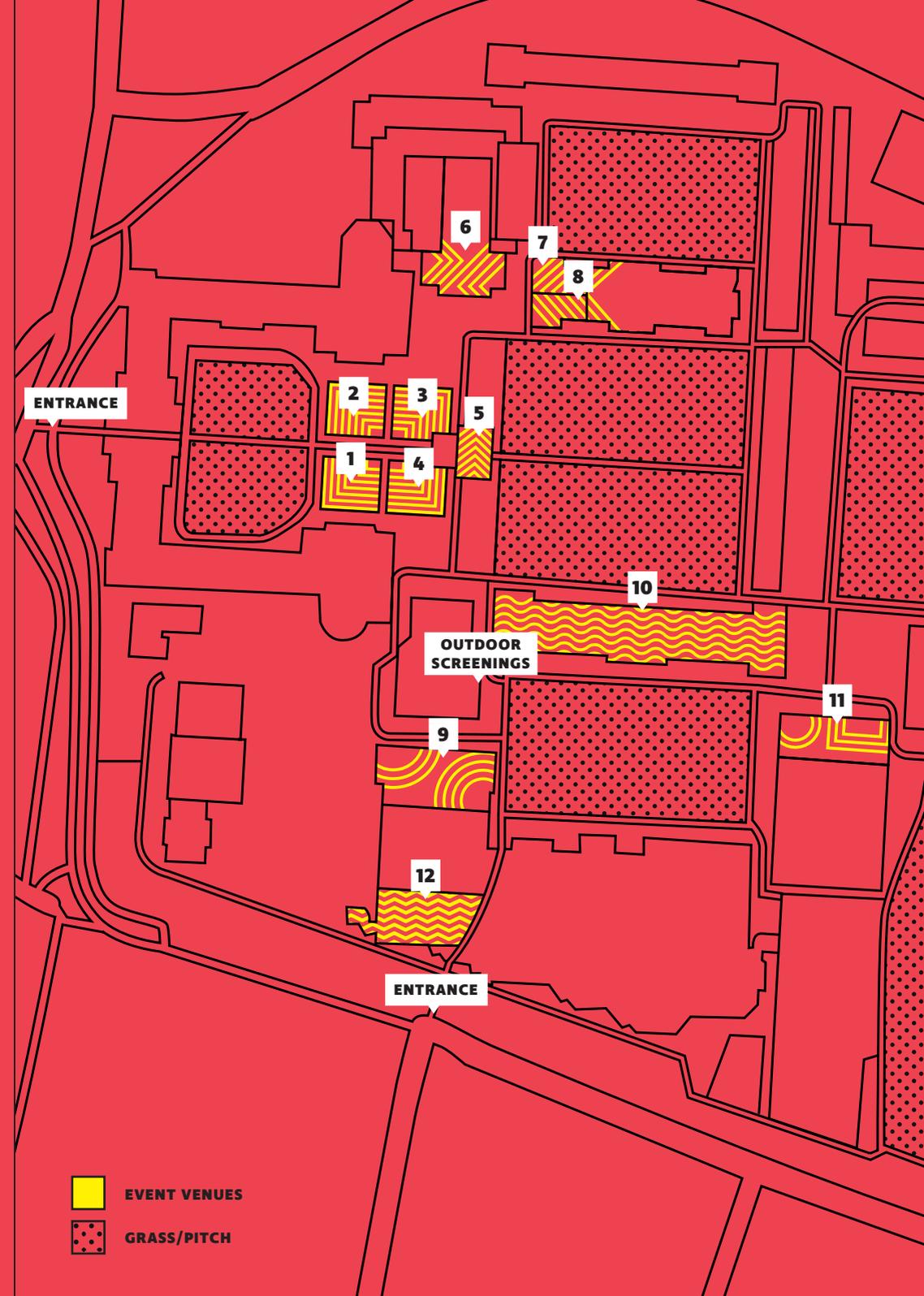
OUTDOOR SCREENINGS AT THE 1937 READING ROOM: (playing on loop from 7-9pm)

Life in the Woods — Conor Griffin
A creative documentary practice.

My Friend Nearly Killed Patti Smith — Richard O'Connor
A near fatal accident. A near romance. Phone calls. Paper houses and matchbox cars. Patti Smith. Love.

1916 Proclamation in Irish Sign Language
A collaboration between Interresource Group (Ireland), Irish Deaf Society, Centre for Deaf Studies at Trinity College Dublin and the Ireland 2016 Centenary Programme.

Hysteria — Maurice Kelliher
A dance/performance video which considers the invisibility of pain and the visible manifestations of trauma.



- EVENT VENUES**
- GRASS/PITCH**