A visit to the Science Gallery is enough to give one hope about our future. Scientists are reaching out to designers, artists, and writers not to perform empty vanity exercises, but rather to create solid, interdisciplinary teams that can cover all the scales and facets of nature. Together they engage in responsible tinkering, the equivalent of safe sex in the academic realm. And they prove that science not only has a heart, but also a sense of humour. 

03: BACKGROUND
OUR MISSION & VISION

MISSION & VISION

Science Gallery's mission is to ignite creativity and curiosity where science and art collide. The Science Gallery vision is to be the world's leading enterprise for involving, inspiring and transforming curious minds through science.

We will achieve this by encouraging our audience to discover, express and pursue their passion for science through a changing programme of exhibitions, festivals and experiences. All vividly brought to life at the dynamic intersections where science and art collide.

BACKGROUND

Science Gallery opened its doors in February 2008 on the ground and first floor of the Naughton Institute in Trinity College Dublin. Science Gallery's vision to transform curious minds through science has been developed, and tested during the first two years of operation. The Gallery has drawn on the experience and expertise of scientists, artists, designers, creative thinkers, entrepreneurs, students and researchers to develop an ever changing space where the dialogue between the culture of science, and the discoveries of art can meet in creative clashes.

PROGRAMMING

Science Gallery aims to engage 15 to 25 years old with science and innovation. This age group does not tend to engage with traditional science centres or museums, so Science Gallery is focussed on providing programmes and events that allow visitors to participate, facilitate social connections while always providing an element of surprise. Science Gallery is about transforming attitudes, giving new perspectives on the world innovation and science. In 2009 Science Gallery held four exhibitions (INFECTIOUS, LIGHTWAVE, BUBBLE and WHAT IF...) and three Microshows (Sport, Sweat and Science, Metropolis and Nanoweek). INFECTIOUS and LIGHTWAVE were produced following an open call process where artists, scientists, engineers and designers are invited to submit proposals for the exhibition. WHAT IF... and BUBBLE were curated and produced by the Science Gallery in collaboration with leading external support including Anthony Dunne and Fiona Raby (Royal College of Art, London) for WHAT IF... and leading scientists Professor Denis Weaire and Dr Stefan Hutzler for BUBBLE. With all major exhibition there is a dedicated events and education programme to allow the Science Gallery community to delve deeper into the subjects explored.

[...] For a science teacher, Science Gallery is a wonderful resource bringing the applications of science to life and demonstrating how important creativity and imagination are to scientific research. My second year mathematics students thoroughly enjoyed their visit to Science Gallery and the visit has spurred many of the students to consider science, maths or engineering in 3rd level. Some of the students have returned to the gallery with their families and I am inundated with requests from the students to return. Science Gallery is certainly a venue where ideas and opinions collide, but it is also a fantastic educational resource [...]
SCIENCE GALLERY WAS FIRMLY ESTABLISHED AS IRELAND’S MOST INNOVATIVE CULTURAL SPACE IN 2009, WITH EXHIBITIONS RANGING FROM INFECTIOUS – WHICH LAUNCHED JUST AS A WORLDWIDE PANDEMIC EMERGED – THROUGH TO THE FAMILY FRIENDLY SHOW BUBBLE – WHICH BROKE SCIENCE GALLERY VISITOR RECORDS. THE YEAR SAW A CONTINUED GROWTH IN ITS AUDIENCE AND PROGRAMME.

Exhibitions including: LIGHTWAVE (3 months), INFECTIOUS (1 month), BUBBLE (2 months) and WHAT IF… (2.5 months) all bringing a creative clash of science, technology and art into play.

Three shorter microshows: – SPORT, SWEAT AND SCIENCE, METROPOLIS and NANO WEEK.

Established a strong presence on Twitter and further developed social media connection with the audience, including a re-design of www.sciencegallery.com

Winner of an ICT Excellence Award for best use of technology in education and training and visit by the judging committee from European Museum of the Year Awards, leading to a nomination for European Museum of the Year 2010.

Major support from our founding partners Ulster Bank and Wellcome Trust, the members of our Science Circle: Dell, Google, Icon, Paccar and Wyeth, our media partner the Irish Times and our Government partners Department of Enterprise Trade and Employment, Department of Arts, Sport and Tourism and Science Foundation Ireland, our programme sponsors Discover Science and Engineering and CRANN.

04: 2009 IN REVIEW

HIGHLIGHTS

Brian Fallon founded Daft.ie as a Transition Year Project. It is now Ireland’s leading property website. He is a Science Gallery Leonardo and in 2009 he brought the Playhouse Project to the Ulster Bank Dublin Theatre Festival.

248,200 visitors and 1,000 new members of Science Gallery

New collaborations with Leviathan – bringing two Science Leviathans to Science Gallery, with topics including “Is religion infectious?” and “it’s the smart economy, stupid!”

Successful participation in Electric Picnic, and hosting Ireland’s first TEDx and IGNITE events.

Collaboration with Dublin’s FRINGE Festival and the Ulster Bank Theatre Festival, through the of Playhouse project – a project which turned Liberty hall into an interactive beacon of light.

Extensive national and international media coverage, including features in Science Magazine, Nature Immunology, all Irish national newspapers and strongly featured on RTE and other broadcasters.

 […] A series of conversations in Science Gallery sparked the Playhouse project. It started with a single chat about how cool it would be if someone did a ‘Blinkenlights’ style installation in Liberty Hall. Before I knew what was happening, I was introduced to like-minded interactive artists, lighting designers, event producers, software programmers and LED specialists—all of whom were somehow connected to Science Gallery. Within one week of that first conversation it became clear that we had the makings of a team that could pull off such a project. Without the catalytic presence of Science Gallery, I have no idea how the unique set of skills required for such a project could ever have been brought together […]

Mercury awarded Best of show at the Irish Designers of the Year Project. It is now Ireland’s leading property website. As a Science Gallery Leonardo and in 2009 he brought the Playhouse project to the Ulster Bank Dublin Theatre Festival.
LIGHTWAVE:
DEFY THE DARKNESS
A festival on innovation with light LIGHTWAVE 2009 featured everything from a cube shaped universe to conversations with electric fish and a new kind of fuel cell to provide off-grid light in Africa. The LIGHTWAVE festival and exhibition at Science Gallery had a full range of delights in store for the 16,000 visitors who defied the darkness to explore our relationship with light. ——Curated by Denis Weaire, Richard Kirk, Michael John Gorman and Marie Redmond.

METROPOLIS:
CROWD CONTROL
METROPOLIS invited the public to view and contribute to an exciting research project, which aims to build a virtual Dublin on a scale and level of realism never seen before. Focusing on its inhabitants Metropolis is a novel project which brings together computer graphics, engineering and cognitive neuroscience research. Metropolis was created by Professor Carol O’Sullivan, Professor Fiona Newell and Professor Henry Rice, Trinity College Dublin.

SPORTS, SWEAT AND SCIENCE
Putting the performance of elite athletes and members of the public under scientific scrutiny, this microshow demonstrated how the Human Performance Laboratory in Trinity College Dublin tests and improves the performance of top athletes. Made possible with the help of Trinity College Sports Centre and Ulster Bank.

Ze Frank — Comedian, Digital Guru, Viral Genius, Ze Frank came to Science Gallery during DEFY THE DARKNESS and talked about his experience of making things “Go Viral” and also created some street poetry in a Flashmob experience.
Just as a world pandemic emerged, over 47,000 people ignored the warning to “Stay Away” and came to explore the INFECTIOUS exhibition which investigated mechanisms of contagion and strategies of containment. Those brave enough to enter the containment zone on Pearse Street were advised to wear protective clothing. INFECTIOUS explored contagion through science and art including the world’s first live epidemic simulation and an opportunity to have your DNA analysed and to get up close and intimate with a Petri dish in our Kiss Culture experiment. Curated by Professor Luke O’Neill, Professor Cliona O’Farrelly and Michael John Gorman.

INFECTIOUS events included viral media super stars Ze Frank and Jonah Peretti, writer Lawrence Weschler and US bio-weapons expert Arthur Friedlander. —— In response to the outbreak of a world pandemic Science Gallery hosted Ireland’s first public briefing session on H1N1 bringing together some of the world’s leading immunologists to inform the public and media alike.

Foams, froths and physics formed BUBBLE at Science Gallery. This riotous exhibition of changing shapes and colours, fantastical bubble structures and experiments with soap films was developed in collaboration with leading Trinity College physicists Denis Weaire (who’s Weaire-Phelan structure inspired the Water Cube at the 2008 Beijing Olympics) and Matthias Matthijs and was visited by over 60,000 people. —— BUBBLE allowed visitors get their hands wet, step inside a giant bubble and learn about the physics of foams. This ever-changing exhibit put the visitor at the centre of creativity, and with a range of workshops and experiments the LATHER LAB gave visitors a chance to delve deep into bubbles. Events included a Barista Foam Smack Down – exploring the perfect cappuccino froth – to the bubbles in champagne. Steve Allman set a Guinness World Record by creating the world’s longest bubble chain (18 bubbles). BUBBLE culminated with a Foam Party as part of Dublin’s Culture Night on September 25th. […] I know from long experience how difficult it is to engage in outreach in an effective manner, that is, making contact with a large community of interest “out there”. The Bubble exhibition proved to be extraordinarily successful in exciting the general public, and the experience of dealing with over 60,000 visitors was inspiring to all concerned. Moreover, the nature of the Gallery’s mission frees us from the sometimes over-earnest approach to communicating science, encouraging a more creative and playful attitude that brings it down to ground level, without condescension […]
A week of exploring the economic potential of nanoscience research in Ireland, Nanoweek also offered the public opportunities to try some nano ice cream, tour the labs in CRANN and enjoy the talks and debates about the revolutionary implications of nanoscience.

WHAT IF... Future Form, Future Function?
WHAT IF... we could farm medical products on our bodies? WHAT IF... clouds were modified to snow ice cream? WHAT IF... we lived in a society where our every thought was public?
These were just some of the questions explored during the WHAT IF... exhibition at Science Gallery. Curated by leading London-based design duo Anthony Dunne (Head of the Department of Design Interactions, Royal College of Art, London) and Fiona Raby with Michael John Gorman, it featured a range of works by designers who have explored everything from using animals as life support machines, through to what happens in a society where machines can read your every emotion. WHAT IF... included an inspiring talk by Paola Antonelli, Head of Design at Museum of Modern Art, New York and a number of workshops, including a hover house workshop led by Nelly Ben Hayoun.

Anthony Dunne, of leading design partnership Dunne and Raby and Professor of Design Interactions at the Royal College of Art, London.

[...] We worked with Science Gallery to put on the WHAT IF... exhibition. It was an excellent experience on all levels. The professionalism of the team is unbeatable, the effort they put into engaging the public is extremely impressive and maximised the value and impact of the show for the designers, overall, it was one of the best collaborations we’ve had — creatively, intellectually, and practically [...]
lectures at Trinity College Dublin. Recently discovered three uniquely human genes, she

Dr Aoife McLysaght—leading geneticist who recently discovered three uniquely human genes, she

The legend starts in darker times, a time when there was a club, but without a home. It was cold, it was lonely, it had a constant fear of rusting. Bruised, battered and shaken it found salvation in a odd composition based on the Evolvaphone. Created by composer George Whif – inhalable chocolate!

Darwin 200

2009 was a year of Darwin celebrations – on February 12 Science Gallery hosted a 200th birthday party which included a Darwin looks-like competition, Evolutionary Theater and Survival of the Fittest Musical Chairs. November saw the 150th anniversary of the publication of ON THE ORIGIN OF SPECIES and the world premiere of the Evolphone. Created by composer George Higgins, with geneticist Dr Aiste Mlynagyt, this is the world’s first musical booth creating unique compositions based on the laws of natural selection.

TEDxDublin

What started with a throw-away comment on Twitter became a fully formed event in Science Gallery three weeks later with an awesome speaker line-up and a hugely enthusiastic following. TEDx events are independently organised TED events (TED.com) Tickets for the first TEDxDublin were sold out in 12 minutes – a Science Gallery record. Speakers at the two TEDxDublin events in 2009 included Blaise Aguera y Arcas (developer of Photosynth), Mark Billinghurst, (Director of Hiltab New Zealand), Kate Coleman (eye surgeon and founder of Right to Sight), Tom Hadfield (presenting “What – inhalable chocolate”) and Mark Leslie who introduced a new world religion at TEDxDublin 2.0.

IgniteDublin

Ignite events originated in Seattle by the O’Reilly Media Group (Make Magazine) and are fast-paced, fascinating talks where the speaker have five minutes (sharp) to talk about something they are passionate about. To add to the adrenaline buzz their slides rotate automatically every 20 seconds. Curated by Conor Houghton, School of Mathematics TCD, Ignite speakers have included: Ferdinand von Priessnitz (President of DCU), Barbara Dawson (Director of Hugh Lane), David McKown (Irish Robotics Club) and many, many more.

Science Gallery also hosted events to...

2. Science Week Lectures.
3. First Tuesday.
4. Rathph Dubin.
5. Design 21c.
8. XCake (App developers).
10. Alchemist Café and many, many more.

SEED dating

Science Gallery is all about making connections and at SEED dating – hosted by TV presenter and science teacher – Aoibhinn Ni Shuilleabhain – creative minds from science, engineering, arts, design and business come together in another fast paced event designed to generate ideas and spark off creative collaborations.

GREEN Drinks

Holding discussions about sustainability and environmental awareness over a glass of wine. Science Gallery became the venue of choice for the monthly Green Drinks.

PRISM BookClub

Led by Trinity College Dublin geneticist Dr Aoife McLysaght, the PRISM bookclub meets monthly to discuss a broad range of science related books. In 2009 PRISM also invited the author – often via Skype – to join the conversation. Books discussed included “The Slightest Man” by Graham Farmello (Winner of the 2009 Costa Award for best biography), “Thick or Treatment” by Edzard Ernst and Simon Singh and Darwin’s Island by Professor Oliver Jones.

Science Levathan

Collaborating with LEVTHAN – the political cabaret - Science Gallery added science to the party and discussed whether religion was infectious and during Nanoweek proclaimed that “It’s the smart economy, stupid!” Speakers included: Constantin Gurevich, John Bilard, William Reville, David McConnell, with entertainment provided by Alie Phibin Bowman, and the debate led by journalists William Crawley and Mark Little.

PRISM BookClub

Led by Trinity College Dublin geneticist Dr Aoife McLysaght, the PRISM bookclub meets monthly to discuss a broad range of science related books. In 2009 PRISM also invited the author – often via Skype – to join the conversation. Books discussed included “The Slightest Man” by Graham Farmello (Winner of the 2009 Costa Award for best biography), “Thick or Treatment” by Edzard Ernst and Simon Singh and Darwin’s Island by Professor Oliver Jones.

Science Levathan

Collaborating with LEVTHAN – the political cabaret - Science Gallery added science to the party and discussed whether religion was infectious and during Nanoweek proclaimed that “It’s the smart economy, stupid!” Speakers included: Constantin Gurevich, John Bilard, William Reville, David McConnell, with entertainment provided by Alie Phibin Bowman, and the debate led by journalists William Crawley and Mark Little.

Science Levathan – to join the conversation. Books discussed included “The Slightest Man” by Graham Farmello (Winner of the 2009 Costa Award for best biography), “Thick or Treatment” by Edzard Ernst and Simon Singh and Darwin’s Island by Professor Oliver Jones.

Science Levathan

Collaborating with LEVTHAN – the political cabaret - Science Gallery added science to the party and discussed whether religion was infectious and during Nanoweek proclaimed that “It’s the smart economy, stupid!” Speakers included: Constantin Gurevich, John Bilard, William Reville, David McConnell, with entertainment provided by Alie Phibin Bowman, and the debate led by journalists William Crawley and Mark Little.

Science Levathan – to join the conversation. Books discussed included “The Slightest Man” by Graham Farmello (Winner of the 2009 Costa Award for best biography), “Thick or Treatment” by Edzard Ernst and Simon Singh and Darwin’s Island by Professor Oliver Jones.

Science Levathan

Collaborating with LEVTHAN – the political cabaret - Science Gallery added science to the party and discussed whether religion was infectious and during Nanoweek proclaimed that “It’s the smart economy, stupid!” Speakers included: Constantin Gurevich, John Bilard, William Reville, David McConnell, with entertainment provided by Alie Phibin Bowman, and the debate led by journalists William Crawley and Mark Little.

Science Levathan – to join the conversation. Books discussed included “The Slightest Man” by Graham Farmello (Winner of the 2009 Costa Award for best biography), “Thick or Treatment” by Edzard Ernst and Simon Singh and Darwin’s Island by Professor Oliver Jones.

Science Levathan

Collaborating with LEVTHAN – the political cabaret - Science Gallery added science to the party and discussed whether religion was infectious and during Nanoweek proclaimed that “It’s the smart economy, stupid!” Speakers included: Constantin Gurevich, John Bilard, William Reville, David McConnell, with entertainment provided by Alie Phibin Bowman, and the debate led by journalists William Crawley and Mark Little.

Science Levathan – to join the conversation. Books discussed included “The Slightest Man” by Graham Farmello (Winner of the 2009 Costa Award for best biography), “Thick or Treatment” by Edzard Ernst and Simon Singh and Darwin’s Island by Professor Oliver Jones.

Science Levathan

Collaborating with LEVTHAN – the political cabaret - Science Gallery added science to the party and discussed whether religion was infectious and during Nanoweek proclaimed that “It’s the smart economy, stupid!” Speakers included: Constantin Gurevich, John Bilard, William Reville, David McConnell, with entertainment provided by Alie Phibin Bowman, and the debate led by journalists William Crawley and Mark Little.

Science Levathan – to join the conversation. Books discussed included “The Slightest Man” by Graham Farmello (Winner of the 2009 Costa Award for best biography), “Thick or Treatment” by Edzard Ernst and Simon Singh and Darwin’s Island by Professor Oliver Jones.
And many, many more….

During the Dublin Fringe Festival Science Gallery hosted weekly science clubs on the science of taste and aroma — including an edible bubble workshop.

At Electric Picnic 2009 Science Gallery brought its bubble show and collaborated with Blackbrick Observatory and Leo Enright to create a space show for festival goers, including a simulated rocket launch where the volume went up to 11.

Science Gallery also met the many participants at the annual BT Young Scientist of the Year show with its crack team of science mediators.

Science Gallery brought activities to staff at Google, Citi Bank, Wyeth and Dell.

SCIENCE GALLERY AS A VENUE FOR EVENTS:

Science Gallery provides the ideal space for events — from small meetings through to conferences, product launches or PR events. Here is a small selection of the many events and collaborations in Science Gallery in 2009:

- Former President Mary Robinson spoke at the inaugural IHMA Twitty Lecture
- Graham Farrelbo book launch “Paul Drac: The Strangest Man”
- British Medical Association Conference
- Sustainable Energy Ireland — Secondary School Photo Competition
- Professor Richard Molly Inaugural Lecture
- Professor Mark Dyer Inaugural Lecture
- The Irish Times Living Dublin Awards
- The Irish Times Student Magazine Awards
- Microsoft’s IMAGINE Cup Final
- The Brunel Lecture, Engineers Ireland
- Naughton Scholarships, presented by Minister for Finance Brian Lenihan TD
- Philanthropy Ireland Conference
- Launch of Art Smoking Campaign
- FutureprooF Social Media conference
- The Irish Times/Pfizer Healthcare Debates
- Neuroscience Association Annual Conference
- The Science of Taste and Aroma — David Jackson
- Inspire Launch
- Astro Expo
- Launch of C-Sets.
- And many, many more….

[...] After I finished my degree in genetics I decided to go travelling. I’d loved doing my science degree but during my three year break the spark had somewhat dulled. After only a few weeks back in Ireland I got a job in the Galway as a mediator. This job gave me access to the world of science that I’d been so without for three years. It challenged me to embark upon new ways of thinking on a wide range of issues both scientific and artistic. Working in the Science Gallery brought me to the edge of the cliff and hamed me the parachute, all that remained for me to do was take the leap. I became so engrossed again in the world of science that I decided to get back in to it full time. I applied for, and obtained, a position to study for my PhD with Professor Kingston Mills. I am very happily in the middle of these studies and from here who knows what’s around the next corner. For those young or old, experienced or novice, I believe the Science Gallery gives the gift of accessibility to a world where so many would otherwise feel alienated, and it lights a spark in people that can last a lifetime. [...]
Ireland definitely changed my life, but going to Science Gallery helped me have direction and REALLY made it clear to me that Psychology or Neuroscience is what I want to do. My trip to Ireland in 2008 when she attended the Science Circle. —— Picnic to supporting innovation events in companies in the area around Pearse Street. We have had a very positive relationship with the Science Gallery over the years since it opened. The outreach team have been very proactive in including our school in a variety of activities (tours and activities of the various exhibitions: germs, light, love and robots!). There have been lectures to make maths interesting and activities to make science fun. Most importantly, when our school lost a Biology teacher due to education cutbacks the Science Gallery was very helpful in helping us find eager and committed volunteers to help make up for our loss.

—John Davis, CBS Westland Row, Guidance Counsellor.

…Our local school is a DEIS (designated disadvantaged) school and serves the area around Pearse Street. We have had a very positive relationship with the Science Gallery over the years since it opened. The outreach team have been very proactive in including our school in a variety of activities (tours and activities of the various exhibitions: germs, light, love and robots!). There have been lectures to make maths interesting and activities to make science fun. Most importantly, when our school lost a Biology teacher due to education cutbacks the Science Gallery was very helpful in helping us find eager and committed volunteers to help make up for our loss. […]
Science Gallery asks its visitors to comment and contribute to its exhibitions and events. Here are some sample comments left in the visitor’s book:

[...] This was our second trip to the light show this year. We just want to record how pleasant we found the people at each exhibit, their enthusiasm and knowledge was critical to the experience [...] 

[...] You are amazingly infectious, thank you for all you do and keep on doing it! [...] 

[...] Fantastic, great to meet the people behind the research [...] 

VISITOR PROFILE
Science Gallery engaged market research company Behaviour and Attitudes to gauge the visitor’s experience and gain an insight into the visitor profile. 42% of visitors are repeat visitors to Science Gallery — this compares to a repeat visit rate of roughly 15-30% for other Irish museums. The research into the visitors to WHAT IF… showed that the repeat visitors had been to the Science Gallery an average of 10 times demonstrating a committed core of repeat visitors.
Science Gallery also connects with its audiences using social media tools — and in 2009 set up Science Gallery Twitter. Through conversations on Twitter Science Gallery came to host Ireland’s first TEDx event, and Twitter continues to be a key link to the core, active Science Gallery fans. — Science Gallery re-designed its website in 2009 to allow for more social connections with its users creating a platform to connect and share creative ideas. — Science Gallery’s media partnership with the Irish Times continued, and allowed Irish Times readers to win tickets to sold out shows and events. DART/Irish Rail also carried significant advertising for the Science Gallery.

Media Gallery continued to achieve a high media profile, both internationally and nationally. Each exhibition was featured on national television and in major broadcasts. Highlights included articles in Science and Nature magazine covering the infectious exhibition. Publicity for new Scientific for the What If... exhibition and substantial coverage for the Bubble exhibition.

<table>
<thead>
<tr>
<th>Media Coverage — TNS Media Intelligence PR Value*</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>€1,869,611</strong></td>
<td></td>
</tr>
<tr>
<td><strong>NUMBER OF ARTICLES</strong></td>
<td><strong>493</strong></td>
</tr>
<tr>
<td><strong>COVEREUR</strong></td>
<td><strong>208,958 CM²</strong></td>
</tr>
<tr>
<td><strong>NUMBER OF BROADCASTS (TV &amp; RADIO)</strong></td>
<td><strong>43</strong></td>
</tr>
<tr>
<td><strong>BROADCAST MINUTES</strong></td>
<td><strong>276</strong></td>
</tr>
</tbody>
</table>

* Advertising Value Equivalent multiplied by three

[... ] Many of the exhibits are heavily dystopian, and address questions on scientific or medical ethics that must be asked in our bio-technological age. Both the installation that posits using pigs and other animals as life support machines and Future Farms — where people use their own bodies to grow stem cells for medical procedures — evoke the kind of discomfort you feel when you watch a news story about an impoverished parent resorting to selling their own kidney just to put their child through school [...]

Kat Austen, 7 December 2009, New Scientist CultureLab “Alternate Realities”
05: INTERNATIONAL CONTEXT

Geographic Spread of Participants, Exhibitors and Collaborators: Numbers indicate participants from each country.

05: ONLINE ACTIVITY

Website Traffic: 187,123 visits from 168 countries/territories.

Top 10 Countries/territories:
1. Ireland 115,413
2. United States 22,286
3. United Kingdom 14,154
4. Canada 2,755
5. Philippines 2,557
6. India 2,482
7. Germany 2,480
8. Australia 2,346
9. Italy 1,648
10. France 1,480

Traffic Sources:
- Direct Traffic: 36,648
- Referring Sites: 65,201
- Search Engines: 55,274

Social Media:
Twitter, Facebook and blogs are a growing way for our community to share ideas and connect with Science Gallery. From our first TEDx event, organised through a conversation on Twitter, through to our YouTube channel hosting over 184 videos, a busy Flickr page where our visitors add their take on the Gallery, social media is now central part in Science Gallery's mission to be a place to be discovered.
I want to congratulate you on the Science Gallery. It’s fantastic to have such an innovative model of public engagement with science. Every university in the world should have one […]

Professor Robert Winston, Lord Winston, Professor of Science and Society and Emeritus Professor of Fertility Studies at Imperial College, Professor Winston is committed to science education and regularly writes and hosts popular science programmes on TV.
WHAT IF…?

experiences, high-profile innovative installations, and enjoy the sounds how art and science help BIORHYTHM: MUSIC AND THE BODY

BIORHYTHM: MUSIC AND THE BODY will explore how art and science help us interpret, understand, and enjoy the sounds of the 21st century. BIORHYTHM will include special live performances, innovative installations, unique physical and mental experiences, high-profile talks, discussions and debates, and other musical and biogical events web-focused interactions, games and truly collaborative experience.

EVENTS IN 2010

In 2010 Science Gallery will continue to host TEDxDublin, IGNITE and D.A.T.A., PRISM Book Club as well as major international speakers including Professor Robert Winston and Professor Wsitokh Narayanamurti.

In 2009 Science Gallery organized two sessions at Europe’s leading science centre conferences, the ECSITE Annual Conference in Milan in June 2009: Adults Only. What Turns Older Audiences on to Science? (with John Duxant, Director of the MIT Museum, Heather Mayfield of Science Museum London) and ArteScience: New Paradigm or Oxymoron? (with Ken Arnold, Wellcome Collection, London and David Edwards, Founder, LeLaboratoire, Paris). Following the ECSITE conference Michael John Gorman was invited to join ECSITE’s programme committee, to contribute to planning of future conferences. —— Michael John Gorman was also invited to participate in the panel discussion on art and science to launch the Lab@Harvard, a new initiative to bridge art and science for Harvard Students. —— He also edited a book in conjunction with the major exhibition Galileo: Images of the Universe held at the Palazzo Strozzi in Florence to celebrate the International Year of Astronomy and contributed to the catalogue of the exhibition. —— Following a successful bid for Framework 7 funding, Science Gallery with Trinity College Dublin’s Women in Science and Engineering Research (WISE) group attended the initial kick-off meeting for the Towards Women in Science and Technology (TWIST) project in Copenhagen, Denmark. This is a three-year project involving science centres from all over Europe in the development of activities, which raise awareness of gender issues in science and technology. —— Science Gallery additionally contributed to the Framework 7 FUND project, which kicked off in Trieste, Italy. This project aims to further develop the DECODE model across a number of science centres and advocate groups in Europe. DECODE is a workshop, which engages public in contemporary issues in emerging science research and technology. —— Other conference presentations and talks by Science Gallery Director Michael John Gorman in 2009 include: keynote on art and science Città della Scienza, Naples, invited speaker at NOW, Barcelona participating in a panel with Adam Illiy of SEED magazine, and keynote talk at University Museums Association Conference in Manchester, now published as Experiments in the Boundary Zone: Science Gallery at Trinity College Dublin.

[…] It’s a particle accelerator… for people […] That’s how Michael John Gorman, founding Director of Dublin’s Science Gallery, described his ambition to create a public forum for innovation.” Harvard Gazette, 9.11.2009

[…] An unprecedented mind-tuning environment, the Science Gallery serves as a vortex for diverse utopian adventurers. Each collaboration has been immensely fulfilling, and has lead to vigorous encounters with pioneers in nanomagnetics, quantum chemistry and foam physics! […]
PARTNERSHIP IN ACTION
In 2009 our partners were directly involved with Science Gallery activities at all levels:

JOINT EVENTS
Science Gallery partners have collaborated in exhibitions, workshops, panels, debates and events. Some of these include Wyeth staff getting involved during the INFECTIOUS exhibition, Google running its national Doodle 4 Google exhibition and competition in the gallery and many of the partners getting involved in our Cool Jobs event in May 2009. Science Gallery also worked with Ulster Bank during TCD’s Fresher’s Week and drew on the talents of YouTube staff to create workshops aimed at spreading viral videos. Our partners have been critical in helping Science Gallery engage 15-25 year olds with science and technology.

EMPLOYEE INVOLVEMENT
Staff from partner companies are involved as Mentors (working with transition-year students to develop installations for exhibitions and with Science Gallery’s team to promote activities to schools in their local area) and as Mediators and Ambassadors (promoting Science Gallery and its activities to the broader public). Additionally companies engaged in events such as the Innovation Challenge.

BRANDING
Supporters logos are prominently displayed throughout our space, brochures and website.

USE OF SCIENCE GALLERY SPACE
Science Gallery has been used by our supporters to host such major events as leadership meetings, European conferences and major product launches in Science Gallery.

PUBLIC RELATIONS
Corporate association with Science Gallery has been widely promoted through employee involvement, Science Gallery exhibits at family days, joint public relations campaigns and activities onsite and in the Gallery.

SCIENCE GALLERY DEVELOPMENT
Supporters lunches have helped to develop meaningful collaboration with Science Gallery. Supporters are also members of the Leonardo group: thought leaders from science, technology, business, the arts, media and culture activities who help Science Gallery develop new ideas for engaging the public.
INCOME AND EXPENDITURE ACCOUNT for the year ended 31.09.09

<table>
<thead>
<tr>
<th></th>
<th>2009</th>
<th>2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Income</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Income from grants and sponsorship</td>
<td>1,751,219</td>
<td>1,132,320</td>
</tr>
<tr>
<td>Operational income</td>
<td>207,706</td>
<td>35,937</td>
</tr>
<tr>
<td>Total income</td>
<td>1,958,925</td>
<td>1,168,257</td>
</tr>
<tr>
<td>Departmental Expenditure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exhibitions</td>
<td>598,059</td>
<td>731,661</td>
</tr>
<tr>
<td>Events</td>
<td>65,964</td>
<td>23,343</td>
</tr>
<tr>
<td>Education</td>
<td>62,509</td>
<td>3,301</td>
</tr>
<tr>
<td>Cost of sales</td>
<td>106,846</td>
<td>30,981</td>
</tr>
<tr>
<td>Total departmental expenditure</td>
<td>(828,378)</td>
<td>(789,286)</td>
</tr>
<tr>
<td>Other expenses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wages and payroll costs</td>
<td>653,423</td>
<td>584,562</td>
</tr>
<tr>
<td>Other operating expenses</td>
<td>428,847</td>
<td>463,720</td>
</tr>
<tr>
<td>Total operating costs</td>
<td>(1,082,270)</td>
<td>(1,048,282)</td>
</tr>
<tr>
<td>Operating Surplus/(deficit) for the year</td>
<td>48,277</td>
<td>(669,311)</td>
</tr>
</tbody>
</table>

Approved on behalf of the Board on 30.09.09.

NOTES

Notes to the income and expenditure account for the year ended 30-09-09

01. Statement of accounting policies

The following accounting policies have been applied consistently in dealing with items which are considered material in relation to the Gallery's income and expenditure account.

01.1 Basis of preparation

This is the income and expenditure account of the Science Gallery for the year ended 30 September 2009. The operating surplus/(deficit) for the year of the Science Gallery is included in the accounts of The University of Dublin (Trinity College) for the year ended 30 September 2009 which were audited by KPMG (Chartered Accountants and Registered Auditors).

01.2 Income

Income is derived from sponsorship/grants and operational activities which include shop revenues, cafe concession income and corporate hire accounted for on an accruals basis.

01.3 Expenditure

Expenditure is charged to the income and expenditure account on an accruals basis in the year in which purchases take place.

02. Operating surplus/(deficit) for the year

The Science Gallery successfully achieved a surplus of €48,277 in its financial year ending 30 September 2009. It is intended that the costs incurred of €669,311 during the set-up phase will be recovered in future years through growth in the Gallery’s operational activities.
Science Gallery is established as a unit within the Trinity College Dublin structure, with legal and financial responsibility resting ultimately with the Board of the College. The Science Gallery Governance Board has been established by the Board of the College with the following roles:

- To assist the Director of the Science Gallery in shaping the Gallery’s strategic direction and provide an overview of Gallery activities;
- To approve and influence the Science Gallery mission;
- To provide advice and support to the Science Gallery Director;
- To act as ambassadors for the Science Gallery and its activities in the broader business and research communities;
- To provide advice on fundraising opportunities and to engage in fundraising activities where appropriate;
- To assist with recruitment of researchers and students for involvement in Science Gallery programmes;
- To provide advice where appropriate on specific Science Gallery projects;
- To have responsibility for budget planning, recognising that ultimate responsibility rests with the Board of College;
- To ensure that the Science Gallery is managed in a manner consistent with best operational practice;
- To approve nominations for membership of the Governance Board emanating from the nominations sub-committee, ensuring cultural and gender diversity;
- To review the performance of the Science Gallery Director;
- To establish appropriate subcommittees reporting to the Board on key strategic areas;
- To establish and maintain a risk register for the Science Gallery;
- To have oversight for quality control and evaluation of Science Gallery programmes;
- To assess its own performance; and
- To approve an annual report for presentation to the Board of College and other stakeholders.

The Governance Board, consisting of up to twelve members (5 TCD and 7 non-TCD) is chaired by a high profile external figure. Appointed members serve for a three year term with the option to serve a second three years if appointed to do so by the College. The Board meets at least four times per year and has been chaired by Chris Horn since the opening of Science Gallery. Prior to the launch of Science Gallery, a Development Board assisted with fundraising for the project. Advice on the Science Gallery programme (including exhibitions and events) is provided by the Leonardo Group, a group consisting of up to 50 individuals chosen from the worlds of science and technology, the arts, business and the media.

**SCIENCE GALLERY DIRECTOR AND MANAGEMENT TEAM**

The programming and day-to-day running of Science Gallery is the responsibility of Science Gallery director and staff.

**THE LEONARDO GROUP**

This is a group of up to 50 Irish and international thought leaders from business, research, the arts and media who provide input into Science Gallery programme ideas. (Find out more about Leonardo group on page 44)

**QUALITY CONTROL, AND EVALUATION OF PROGRAMMES**

Science Gallery as a platform for dialogue around major themes in science, engineering and technology so it is essential that our content is accurate and of the highest quality. Major individual themed events and exhibitions require a programme-specific curatorial team, appointed by Science Gallery’s director in consultation with the research community and consisting of subject matter experts.

Consultation with the MIT Museum, the Dana Centre and the Wellcome Collection has suggested that this is the most effective approach to ensure accurate content for a programme based institution. A programme evaluation strategy has been developed in consultation with the Wellcome Collection. Curators involved in Science Gallery in the past include Professors Denis Weaire, Richard Kirk, Ken Arnold, Marie O’Mahony, Professor Marie Redmond, Douglas Riopel, Professor Ian Robertson, Professor Richard Keefe, Professor Luke O’Neill, Professor Grace O’Farrell and Anthony Dunne, Fiona Raby. Richard Reilly, Professor Luke O’Neill, Professor Cliona O’Farrell and Anthony Dunne, Fiona Raby. ——Science Gallery is a member of the international organisations ASTC (Association of Science – Technology Centers) and ECSITE (European Network of Science Centres and Museums). Participation in their annual meetings and related events is the responsibility of Science Gallery director and staff.

A dedicated fundraiser, Jim Kelly is provided by the Trinity Foundation. —— A part-time Operations Assistant is also employed to provide a security/desk presence, and a second reception person is shared with CRANN. Part-time student mediators explain exhibits to the public on the floor of exhibitions.
Ken Arnold studied Natural Sciences at Cambridge University and completed a Ph.D. for Princeton University on the history of English museums in 1992. He has himself worked in a variety of museums (national and local) on both sides of the Atlantic. Arriving at the Wellcome Trust in 1992, he is currently Head of Public Programmes at the Wellcome Trust, running a department that oversees the development of a variety of events and exhibitions (permanent and temporary) presented in a new cultural venue Wellcome Collection that opened in June 2007 – a free venue for the ‘incurably curious’, dedicated to exploring the connections between medicine, art and life.

Dr John Hegarty is the 43rd Provost of Trinity College Dublin. He completed his PhD in Physics at University College Dublin – a free venue for the ‘incurably curious’, dedicated to exploring the connections between medicine, art and life. ——He has over 25 years experience in the contract research industry in both Europe and the United States and has authored a significant number of papers and presentations, and holds an adjunct professorship at the Royal College of Surgeons of Ireland.

Dr John Hegarty: The 43rd Provost of Trinity College Dublin. He completed his PhD in Physics at University College Galway and was a research scientist at Bill Labs, New Jersey for six years. He returned to Ireland in 1986 as Professor of Laser Physics in Trinity College and became Provost in 2003, following a period as Dean of Research and Head of the Physics Department. ——The focus of Dr Hegarty’s research is the study of how it interacts with matter, how it can be used to untangle the secrets of nature and how it can be harnessed for applications.

Dr Christopher J. Horn (Chairman) Dr Christopher J. Horn is co-founder and currently vice-chairman of the board of IONA Technologies. He was the initial developer of OrbitX® and held the joint offices of IONA’s president, chief executive officer and chairman of the board from IONA’s inception until May 2000. He served as the chairman of the board of IONA from May 2000 to May 2003 when he re-assumed the CEO position, a post he held until his appointment to vice-chairman in April 2005. —— Dr Horn has been a non-executive director of a number of privately held software companies and business associations and advisor to a number of venture capital firms. He is also vice president of the chartered engineering body in Ireland, Engineers Ireland and is currently the non-executive chairman of UNICEF Ireland. He has been a chairman of Science Gallery Board since the beginning of the project.

David Lloyd
Dr David Lloyd is the Hitachi Senior Lecturer in Advanced Computing in the School of Biochemistry and Immunology, Trinity College Dublin, and is Trinity’s Dean of Research. His research group, the Molecular Design Group, is Ireland’s largest and most successful rational drug discovery group and is funded by Science Foundation Ireland, Enterprise Ireland, the Health Research Board and Cancer Research Ireland.

David Martin
David Martin is Director of EMEA Finance and Business Intelligence with Google. Prior to joining Google in 2005, David was Head of Strategic Planning for Micron. He has also worked for several years as a Management Consultant with McKinsey & Co. prior to which he was Business Development Manager for an optoelectronics start-up based in Dublin. David has also worked with the Toshiba Corporation both in USA and Japan returning to Ireland in 1997. He spent several years in the USA as an Advanced Market Development Engineer and five years working as a Laser Application Engineer based in Japan.

Fergal Naughton
Fergal Naughton is currently director of group operations at his family’s business, Glen Dimplex, with responsibility for group functions of design, manufacturing, purchasing, new technologies and also the group’s manufacturing operation in China. He holds a degree in Mechanical Engineering from the University of Limerick and an MBA from the University of Cambridge. He was appointed chairman in November 2002. —— He has over 25 years experience in the contract research industry in both Europe and the United States and has authored a significant number of papers and presentations, and holds an adjunct professorship at the Royal College of Surgeons of Ireland.

Professor Clive Williams
Clive Williams is Dean of Engineering, Science and Mathematics at Trinity College Dublin and is responsible for the provision of academic and strategic leadership within the faculty. He is a fellow of Trinity College, a member of the Royal Irish Academy and has published over 100 papers on various topics of research.


Niall O’Donnchú
Niall O Donnchú MPH, BScEcon, CDBG, is the assistant secretary-general of the Department of Arts, Sport and Tourism where he is responsible for the arts, culture and film policy dossier. He is a graduate of Queens University, Belfast and the London School of Economics. —— Prior to this, he was head of ecommerce and broadband policy at the Department of Communications, Marine and Natural Resources and head of alternative energy policy at the Department of Energy. From 1986 to 1992 he was company secretary of the State-owned seaweed processing company Arramara Teo. He is a board member of the National Concert Hall, Culture Ireland and Energy Action Ltd.

Fergal Naughton is currently director of group operations at his family’s business, Glen Dimplex, with responsibility for group functions of design, manufacturing, purchasing, new technologies and also the group’s manufacturing operation in China. He holds a degree in Mechanical Engineering from the University of Limerick and an MBA from the University of Cambridge. He was appointed chairman in November 2002. —— He has over 25 years experience in the contract research industry in both Europe and the United States and has authored a significant number of papers and presentations, and holds an adjunct professorship at the Royal College of Surgeons of Ireland.

Professor Clive Williams
Clive Williams is Dean of Engineering, Science and Mathematics at Trinity College Dublin and is responsible for the provision of academic and strategic leadership within the faculty. He is a fellow of Trinity College, a member of the Royal Irish Academy and has published over 100 papers on various topics of research.


Niall O’Donnchú
Niall O Donnchú MPH, BScEcon, CDBG, is the assistant secretary-general of the Department of Arts, Sport and Tourism where he is responsible for the arts, culture and film policy dossier. He is a graduate of Queens University, Belfast and the London School of Economics. —— Prior to this, he was head of ecommerce and broadband policy at the Department of Communications, Marine and Natural Resources and head of alternative energy policy at the Department of Energy. From 1986 to 1992 he was company secretary of the State-owned seaweed processing company Arramara Teo. He is a board member of the National Concert Hall, Culture Ireland and Energy Action Ltd.
Dick Ahlstrom is a journalism and science editor for The Irish Times. He edits a science page in the newspaper every Thursday showcasing the best of Irish scientific research.

Chris Armstrong: Ulam amcon 114 p. eu feus ait, venish eilhert landre del ero edodga conculpat amcorro leitbu et durt adipsum doloboreet.

Frank Barry is an internationally renowned stem cell researcher. His particular research interest is in the therapeutic application of adult stem cells, especially mesenchymal stem cells (MSCs) from bone marrow.

Bobbie Bergin is director of communications and corporate relations at Ulster Bank. Ulster Bank is a founding partner of Science Gallery.

Shane Bergin was the winner of Science Speak in 2007 and is currently a post doctorate researcher.

Ralph Borland is an engineer and media artist based in the Department of Electronic and Electrical Engineering in Trinity College Dublin.

Mike Cosy is the founding Scientist of Science Gallery. He is deputy director of CRANN, the Centre for Research on Adaptive Nanostructures and Nanodevices, Ireland’s first purpose-built research institute with a mission to advance the frontiers of nanoscience.

Kate Coleman is an optometrist who founded the charity flight to Sight in January 2006, after many years of looking for ways to contribute to the elimination of preventable blindness.

Steve Collins is the founder of Haide and is the course director of the new MSc in Computer Science – Interactive Entertainment Technology at Trinity College Dublin, which educates students about the core technologies driving primarily the game industry.

Patrick Collison is an engineering media artist based in the Department of Electronic and Electrical Engineering in Trinity College Dublin.

Dennet Diamond Ul amcon 114 p. eu feus ait, venish eilhert landre del ero edodga conculpat amcorro leitbu et durt adipsum doloboreet.

Petr Cvikovska is the founder, chief executive officer and Co-owner of Ammado Internet Services Ltd. Ammado is a social-networking site for charities.

Jimmy Costello is the founder of Grasp, a marketing consultancy specialising in new media.

Chris De Burgh is a musician who has played a significant role in developing Science Gallery over the last three years.

Stefan Decker is a Professor at the National University of Ireland Galway, and director of the Digital Enterprise Research Institute.

Donnacha Dennehy is a composer living in Dublin, founder of the Crash Ensemble and a lecturer in music composition at Trinity College Dublin.

Diarmuid O’Brien has been very involved in developing Science Gallery’s concept. He is the executive director of CRANN.

Cliona O’Farrell is Director of Medicine & Medical Science, Education and Research Centre, St. Vincent’s University Hospital. Her biomedical areas are infection, immunity & inflammation.

Mike Collins: Ulam amcon 114 p. eu feus ait, venish eilhert landre del ero edodga conculpat amcorro leitbu et durt adipsum doloboreet.

Linda Doyle is a lecturer in the Department of Electronic & Electrical Engineering in Trinity College Dublin. She is leader of the Emerging Networks (EN) research strand in the SFI funded Centre for Telecommunications Value-chain Research (CTVR).

Mark Dyer is the founder of Trinky Haas at Trinity College Dublin.

Alice Mc Lyngeth is a lecturer in Evolutionary Genetics at Trinity College Dublin and has established her own research group in the field of comparative genomics and the human genome.

Chris Murray: Ulam amcon 114 p. eu feus ait, venish eilhert landre del ero edodga conculpat amcorro leitbu et durt adipsum doloboreet.

Brian Fallon is the founder of gamehive, one of Ireland’s leading property websites which he developed while still at secondary school.

Donald Fitzmaurice is the director of ePlanet Ventures, providing venture capital for technology companies.

Silvia Giordani is one of four young scientists who were recently awarded President of Ireland Young Researcher Awards, supported by Science Foundation Ireland (SFI).

Iagoanne Owens is Chief Executive of Culture Ireland, the national agency founded in 2005 to promote Irish arts worldwide.

Lizbeth Goodman is director of SmartLab, developing interactive projects including events such as Duet For Eyes at Science Gallery with Kila.

Sinad Gortley is head of corporate communications at Dell Ireland. Dell is a member of the Science Gallery’s Science Circle of supporters.

Michael John Gorman is the director of Science Gallery (see blog on page 50).

Anna Kupka is a co-founder of Ammado, the social networking site for charities.

Brian Mac Craith is director of the Biomedical Diagnostics Institute CSET.

Gary McIlrory: Ulam amcon 114 p. eu feus ait, venish eilhert landre del ero edodga conculpat amcorro leitbu et durt adipsum doloboreet.

John Holland is chief executive director of Ericsson, the global communications company.

Simone Holmes has served as vice president of group marketing and market development for ION since November 2007.

Chris How is a joint owner of Science Gallery development, chairing the Science Gallery Board. He is a co-founder and currently vice-chairman of IONA Technologies, which was established in Dublin, Ireland in 1991.

Brendan Hughes is director of development at the Wythall Foundation at Grove Castle in Dublin. He is responsible for process and analytical development, technology transfer and support to manufacturing.

Stefan Hutzler is a lecturer in the School of Physics, UCD and bass player in the new Dublin Daft Stitch.

Nanodevices, Ireland’s technology correspondent with The Irish Times.

Beau Lott is a reader in neuroscience and head of labtalk at University College London.

Stuart McLaughlin is the chief executive of Business 2 Arts.

Brian Mc Carthy is director of the Biomedical Diagnostics Institute CSET.

Eoin MacNeill is the founder of iológ, a marketing and market repositioning site for charities.

Patrick Collison is one of Ireland’s leading property websites which he developed while still at secondary school.

Brendan Hughes is director of development at the Wythall Foundation at Grove Castle in Dublin. He is responsible for process and analytical development, technology transfer and support to manufacturing.

Stefan Hutzler is a lecturer in the School of Physics, UCD and bass player in the new Dublin Daft Stitch.

Nanodevices, Ireland’s technology correspondent with The Irish Times.

Beau Lott is a reader in neuroscience and head of labtalk at University College London.

Stuart McLaughlin is the chief executive of Business 2 Arts.

Brian Mc Carthy is director of the Biomedical Diagnostics Institute CSET.
13: LEONARDO GROUP

Donal O’Mahony has been a founder and chief executive officer of two technology startup companies. In July 2004, he led a team that established CTVR, a major multi-university research centre established in association with Bell Labs. He is now full-time director of the Centre.

Luke O’Neill is a leading researcher and head of the School of Biochemistry and Immunology at Trinity College Dublin.

Siobhan O’Sullivan is the director of the Irish Council for Bioethics.

Tim O’Connor works with the President of Ireland, and was previously the head of the Irish consulate in New York.

James Peto is Senior Curator of Public Programmes at The Wellcome Trust where he is responsible for the programme of temporary exhibitions and accompanying publications of the Wellcome Collection.

Marie Redmond is Adjunct Professor of Computer Science at Trinity College Dublin where she is Course Director of the MSc Multimedia Systems programme. She set up multimedia and internet company X Communications in 1994 and is its managing director.

Richard Reilly is Director of the Trinity Centre for Bioengineering, and his primary research interests are in the fields neurological and biomedical signal processing and rehabilitation engineering.

Filipe Lima works with YouTube at Google’s European Head Quarters in Dublin.

Ian Robertson is Professor of Psychology at Trinity College Dublin and was the founding Director of Trinity College Institute of Neuroscience a former science writer for the London Times; his multiply-translated popular science books are Mind Sculpture and the Mind’s Eye.

Kevin Ryan is Professor of Information Technology in the Department of Computer Science and Information Systems at the University of Limerick and is the leader of the Irish Software Engineering Research Consortium.

Fergus Shanahan is Professor and Chairman at the Department of Medicine at University College Cork (UCC).

Charlie Spillane is Head of the Genetics and Biotechnology research group in the Biochemistry Dept & Biosciences Institute, University College Cork and Science Foundation Ireland investigator.

Brian Trench is Head of School in the School of Communications at Dublin City University where his research interests include representations of science and technology.

Marie Redmond is Adjunct Professor of Computer Science at Trinity College Dublin where she is Course Director of the MSc Multimedia Systems programme. She set up multimedia and internet company X Communications in 1994 and is its managing director.

Richard Reilly is Director of the Trinity Centre for Bioengineering, and his primary research interests are in the fields neurological and biomedical signal processing and rehabilitation engineering.

Filipe Lima works with YouTube at Google’s European Head Quarters in Dublin.

Ian Robertson is Professor of Psychology at Trinity College Dublin and was the founding Director of Trinity College Institute of Neuroscience a former science writer for the London Times; his multiply-translated popular science books are Mind Sculpture and the Mind’s Eye.

Kevin Ryan is Professor of Information Technology in the Department of Computer Science and Information Systems at the University of Limerick and is the leader of the Irish Software Engineering Research Consortium.

Fergus Shanahan is Professor and Chairman at the Department of Medicine at University College Cork (UCC).

Charlie Spillane is Head of the Genetics and Biotechnology research group in the Biochemistry Dept & Biosciences Institute, University College Cork and Science Foundation Ireland investigator.

Brian Trench is Head of School in the School of Communications at Dublin City University where his research interests include representations of science and technology.

James Peto is Senior Curator of Public Programmes at The Wellcome Trust where he is responsible for the programme of temporary exhibitions and accompanying publications of the Wellcome Collection.

Marie Redmond is Adjunct Professor of Computer Science at Trinity College Dublin where she is Course Director of the MSc Multimedia Systems programme. She set up multimedia and internet company X Communications in 1994 and is its managing director.

Richard Reilly is Director of the Trinity Centre for Bioengineering, and his primary research interests are in the fields neurological and biomedical signal processing and rehabilitation engineering.

Filipe Lima works with YouTube at Google’s European Head Quarters in Dublin.

Ian Robertson is Professor of Psychology at Trinity College Dublin and was the founding Director of Trinity College Institute of Neuroscience a former science writer for the London Times; his multiply-translated popular science books are Mind Sculpture and the Mind’s Eye.

Kevin Ryan is Professor of Information Technology in the Department of Computer Science and Information Systems at the University of Limerick and is the leader of the Irish Software Engineering Research Consortium.

Fergus Shanahan is Professor and Chairman at the Department of Medicine at University College Cork (UCC).

Charlie Spillane is Head of the Genetics and Biotechnology research group in the Biochemistry Dept & Biosciences Institute, University College Cork and Science Foundation Ireland investigator.

Brian Trench is Head of School in the School of Communications at Dublin City University where his research interests include representations of science and technology.
INFECTIOUS SOCIOPATTERNS For each day of the INFECTIOUS exhibition, the clockwise bar chart shows the social activity among the visitors over time. This chart wraps the contact network in which the shortest path is highlighted. The color of a node marks the hour during which the visitor is first seen and matches the clockwise coloring in the bar chart. Created by Wouter Van den Broeck, Lorenzo Isella, Marco Quaglio, Cinzia Caletti and Alain Barrat for SocioPatterns.org, ISI Foundation, and the Science Gallery.

WWW.SCIENCEGALLERY.COM