

# Sligo Science Festival 2017

12th - 19th November

#BelieveInScience

Science Fact Versus Science Fiction

**SCIENCE  
WEEK**

Supported by Science Foundation Ireland

12-19 NOVEMBER 2017

**Sligo**  
An Institiúid Teicneolaíochta, Sligeach

# At A Glance

SLIGO SCIENCE FESTIVAL 2017 12TH – 19TH NOVEMBER PART OF NATIONAL SCIENCE WEEK

## Friday 10th November

### FESTIVAL LAUNCH DAY

Venue: The Factory, Lower Quay St, Rathquarter, Sligo, Midday – 6pm  
Featuring Dr Ken Farquhar – Circus Science  
Midday, 2pm, 4pm  
Public Event (All Ages)

## Sunday 12th November

### SLIGO SCIENCE FAIR AT IT SLIGO 12PM–5PM

Family event explaining science in a fun way  
Public Event (All Ages)

## Monday 13th November

### GAA SCIENCE – SCHOOLS

Sports injuries GAA15 with Dr Edwenia O'Malley  
1pm – 3pm, GAA Centre of Excellence  
Schools invitation only event

### GAA SCIENCE – PUBLIC

Sports injuries GAA15 with Dr Edwenia O'Malley  
To Catch a Cheat with Dr Cathy McHugh  
7pm, IT Sligo Aurivo Auditorium  
Public Event (All Ages)

### IT SLIGO LECTURERS ROADSHOW

#### – DR MARY HENEGHAN

School only event

### NEMO LE MAGICIAN

4pm – 6pm, Quayside shopping Centre, Sligo  
Public Event (All Ages)

### SCIENCE HUB – DR SARAH HEHIR IN CONVERSATION WITH DR YVONNE LANG – QUIRKY SCIENCE TALES

8pm, McGarrigles Pub, 11 O'Connell St,  
Abbeyquarter North, Sligo  
Public Event (Age 18+)

## Tuesday 14th November

### PROFESSOR RICHARD WISEMAN'S QUIRKOLOGY VIDEO SCREEN

All day, The Model  
Public Event (All Ages)

### LET'S TALK ABOUT SEX?!?!UAL CONSENT??!

Presented by The Donegal Sexual Assault  
Treatment Unit and NI Women's Aid Federation  
10.15am, Aurivo Auditorium, IT Sligo  
Public Event

### CONSTRUCTING OUR FUTURE WITH BUILDING INFORMATION MODELLING (BIM)

3pm, IT Sligo A0004

### SCIENCE ROADSHOW – JUGGLING SCIENTIST – JAMES SOPER

Kiltyclogher Community Centre

### CAR OF THE FUTURE: HYDROGEN CHALLENGE WITH ARCOLA ENERGY

Dromore West  
Schools invitation only event

### NEMO LE MAGICIAN

4pm – 6pm, Quayside Shopping Centre, Sligo  
Public Event (All Ages)

### A BIONIC BIOGRAPHY – SEONAI O'MURCHADHA

6pm, IT Sligo Hume Hall

### SCIENCE HUB – DR SARAH HEHIR IN CONVERSATION WITH...

8pm, McGarrigles Pub, 11 O'Connell St,  
Abbeyquarter North, Sligo  
Public Event (Age 18+)

## Wednesday 15th November

### CARROWKEEL ARCHAEOLOGY WALK WITH SAM MOORE

Bus departs IT Sligo at 9.30am  
Public Event (13+) – wear sturdy boots and  
outdoor clothing

### **ZOMBIE SCIENCE: WORST CASE SCENARIO**

2pm, Ballymote  
Schools invitation only event (Age 13+)

### **ZOMBIE SCIENCE: WORST CASE SCENARIO**

7pm, King House, Boyle  
Public Event (Age 13+)

### **WOMEN IN TECHNOLOGY & SCIENCE EVENT**

7pm, IT Sligo Aurivo Auditorium  
Public Event (All Ages)

### **SCIENCE HUB – DR SARAH HEHIR IN CONVERSATION WITH...**

8pm, McGarrigles Pub, 11 O'Connell St,  
Abbeyquarter North, Sligo  
Public Event (Age 18+)

## **Thursday 16th November**

### **ZOMBIE SCIENCE: WORST CASE SCENARIO**

10.30am, IT Sligo Aurivo Auditorium  
Schools invitation only event (Age 13+)

### **ZOMBIE SCIENCE: WORST CASE SCENARIO**

2.30pm, IT Sligo Aurivo Auditorium  
Public Event (Age 16+)

### **IT SLIGO LECTURERS ROADSHOW – DR STEPHEN DALY**

Scoil Ursula National School & Our Lady of  
Mercy Primary School  
Schools only event

### **ISTA SENIOR SCIENCE QUIZ FOR SECOND LEVEL SCHOOLS**

The annual ISTA science quiz  
7pm, IT Sligo A0006

### **HONEYOLOGY WITH DR. JAMES BRENNAN, DR. TOM PATTON, DR. JOHN BARRETT AND CONOR DALY**

7pm, The Drafthouse, Strandhill  
Public Event

## **Friday 17th November**

### **SPINAL PATTERNS AND REPATTERNING IN A VARIETY OF DANCE STYLES WITH SEBASTIÁN GÓMEZ-LOZANO**

11.30am, IT Sligo C1004

### **IRISH SEA PALAEOLANDSAPES INVESTIGATION EXHIBITION**

Friday 17th November to Tuesday 21st  
November, IT Sligo +

### **DISCOVER PRIMARY SCIENCE**

10.30am, IT Sligo Molecular lab  
Schools invitation only event

### **IT SLIGO LECTURERS ROADSHOW – DR YVONNE LANG**

Invitation only event

### **IT SLIGO LECTURERS ROADSHOW – AODHMAR CADOGAN**

Gaelscoil Chnoc na Ré, Sligeach  
School only event

### **SOUND MAKERS – DR IAIN MCCURDY**

3pm, IT Sligo A0006

### **ART OF BIRD IDENTIFICATION: A 40 YEAR PERSPECTIVE ON BIRDING & FIELD GUIDES BY KILLIAN MULLARNEY**

8pm, IT Sligo A0005  
Public Event (All Ages)

### **MOONWALKING IN SLIGO**

8pm, Union Woods, Ballygawley  
Public Event

### **SCIENCE HUB – DR SARAH HEHIR IN CONVERSATION WITH...**

8pm, McGarrigles Pub, 11 O'Connell St,  
Abbeyquarter North, Sligo  
Public Event (Age 18+)

## **Saturday 18th November**

### **WOOD–MARTIN ARCHAEOLOGY CONFERENCE**

All Day, IT Sligo Aurivo Auditorium  
Public Event (All Ages)

## **Sunday 19th November**

### **WOOD-MARTIN ARCHAEOLOGY WALK**

# Sligo Science Fair at IT Sligo

SUNDAY 12TH NOVEMBER, 12PM – 5PM

Family event explaining science in a fun way! The Annual Science Fair at IT Sligo will include a wide range of performances, interactive displays and demonstrations for all the family to enjoy. Magic, mystery, and lots of fun guaranteed for both children and adults.

## Theatre Performances

### **MAGICAL SCIENCE WITH GRAHAM HEWSTON** E0017 – 12.10PM, 2.10PM & 4.10PM

Magic and science are closely related in this fun-filled presentation. Illusions, mysterious floating objects and things which shrink or grow just by looking at them. Audience volunteers be ready to sort out the magic from the science!

### **THE SCIENCE OF BUBBLES SHOW** WITH SUE MCGRATH

**AURIVO AUDITORIUM – 12PM, 2PM & 4PM**  
Have you ever wondered why bubbles float? Why can we see rainbows in bubbles? Why bubbles are round? Can we make bubbles in other liquids? To answer these questions we have to enter the Magical World of Bubbleology.

### **KANDOARTS RECYCLE MAGIC** WITH KELVIN MOORE

**A0005 – 12PM, 1.15PM, 3PM & 4.15PM**  
45 minute magic show that uses magic routines and puppets to promote environmental awareness. Learn about Recycling and Energy Conservation in a fun way.

### **MAD PROFESSOR WITH NIALL O'DWYER** A0004 – 1PM, 2.30PM & 4PM

Fun and interactive experience for all the family. Join us in our journey through many principals of science seeing how everyday items help shape the world of science.

### **THE SPACE SHOW WITH DECLAN HOLMES** E0011 – 12.30PM, 2PM & 4PM

The Space Show will take you on a voyage across the solar system to experience the atmospheric pressure of Venus and the gravity of Jupiter. This interactive show will explore questions like what if the sun was half it's size or if the moon didn't exist.

## Demonstrations & Interactive Workshops

### **NATURE CHALLENGE WITH MICHAEL BELL** B1201 – ALL DAY

Learn all about the wonderful world of nature to be found in and around Co Sligo. Quizzes to test your nature knowledge, live mini beasts to handle and bones from the second largest animal in the world that were found in Sligo!

### **THE WONDER OF MARINE LIFE** WITH ROBIN BARRY B1080 – ALL DAY

Experience the wonderful magic of the Marine World around us and learn how to identify different sea shore species edible and non-edibles, such as shellfish, seaweed plants, fish, birds and mammals.

### **DR MCCURDY'S SONIC PLAYGROUND** B1081 – ALL DAY

Sonic Playground features a number of instruments that use electronic sensors. The instruments offer visitors something that can be played intuitively; providing scope for expressive playing and exploration beyond merely 'making them sound'. In this special installation, the software for the instruments can even be played together as an orchestra.

### **VICTORIA WALKER'S CHEMICAL CREW** BLACK BOX THEATRE – 1PM, 2.30PM & 4PM

Victoria Walker Dance "Chemistry Crew" are delighted to be returning to Sligo IT science fair. We would like you to come and believe in science with us. Which move is science fact and which is science fiction let the dance reveal....

## **FLIGHT OF FANCY WITH GREG, ANNE & THORSTEN**

### **E1007 – ALL DAY**

Interactive workshop where participants build various scientific flying toys – paper helicopters, parachutes, blimps – The children will then launch them from a kite high in the sky!

## **2D GAME PROGRAMMING WORKSHOP WITH NEIL GANNON**

### **D2039 – 1PM**

Develop a 2D game from start to finish in this game programming session that covers all the core fundamentals of games development. Tickets need to be pre-booked at main reception area. Max. 24 participants  
Minimum age 12 + years

## **ARCHAEOLOGY ROAD SHOW**

### **HUME HALL CANTEEN – ALL DAY WITH SAM MOORE AND THE ARCHAEOLOGY STUDENTS**

Visit the Medieval Fair. Unearth your past and become a certified archaeologist for the day. Dig for treasure and get a reward in the archaeology dig. Become a warrior, design your own coat of arms or your own crown. Will you be a peasant in The Stocks! or born a king? Medieval hair braiding, face painting and lots more! Come along and enjoy the fun of the fair.

## **EXPLORATION DOME WITH MARTIN CONROY**

### **HUME HALL – 12PM, 12.30PM, 1PM, 1.30PM, 2.30PM, 3PM, 3.30PM, 4PM & 4.30PM**

Max. 40 People Per Show – Tickets From Reception.  
Mobile Planetarium gives children a chance to interact with the planets and stars in our universe.

## **ALL-IRELAND POLLINATOR PLAN WITH LEIF BARRY**

### **B1082 – ALL DAY**

Leif Barry is an environmental scientist from the Burren in Co. Clare. Leif is a Bumblebee recorder for the National Biodiversity Data Centre. Learn all about our many wild pollinators and how to provide them with nectar and pollen sources so they can survive and thrive. Identification aimed at Adults, parents and children. Come along and learn how to become a citizen scientist!

## **Displays**

### **EAGLES FLYING**

#### **MAIN RECEPTION AREA – ALL DAY**

Get up close with the masters of the sky! Get a picture taken with you and an eagle or an eagle owl on your shoulder. Learn more about these magnificent birds.

### **DEFENCE FORCES**

#### **LOWER CONCOURSE**

Discover the science of Explosive Ordnance Disposal.

### **SLIGO BAY LIFE BOAT SERVICES**

#### **MAIN CANTEEN – ALL DAY**

Take the opportunity to meet the volunteers and members of Sligo and Leitrim emergency services, hear their stories and see the equipment they use.

### **PRIMARY SCHOOL SCIENCE**

#### **MAIN CONCOURSE – 12PM – 2.30PM**

Exciting experiments and activities demonstrated by primary school pupils from Sligo town and county.

### **ABBVIE – THE MAGIC OF SCIENCE**

#### **MAIN CONCOURSE – ALL DAY**

### **BIRD WATCH IRELAND**

#### **MAIN ENTRANCE – ALL DAY**

### **THE MOUNTAIN RESCUE TEAM**

#### **MAIN CANTEEN – ALL DAY**

The Mountain Rescue Team displays its equipment abseiling techniques.

### **SLIGO GARDA SIOCHANA**

#### **MAIN CANTEEN – ALL DAY**

Members of the local Garda Siochana talk about crime prevention.

### **CIVIL DEFENCE**

#### **B1202 – ALL DAY**

### **SLIGO FIRE DEPARTMENT**

#### **OUTSIDE HUME HALL – ALL DAY**

### **SCIENCE CINEMA**

#### **B1086 – ALL DAY**

Take a break and watch some screen science, featuring Professor Richard Wiseman's popular QUIRKOLOGY – is it a trick? Fact or Fiction?

# Science Week

SLIGO SCIENCE FESTIVAL'S LECTURES, EVENTS & DEBATES – ALL FREE EVENTS

**Launch Day - Free Event**  
**Friday 10th November**



Venue The Factory Performance space Lower Quay St, Rathquarter, Sligo, Midday – 6pm  
Roll up roll up – Come along to the Sligo Science Festival Launch Day – see Dr Ken Farquhar explore the science behind the thrills and spills of the circus. Dr Ken takes you on a voyage of discovery investigating how performers make use of many scientific principles in their tricks and stunts. Find out why jugglers love gravity, how clowns use science like a Jedi and why unicyclists need to keep moving to stay still. Can you work out if Nemo le Magician is using magic or Science – Science Fiction versus Science Fact, you decide.  
Dr Ken Farquhar – Circus Science Show:  
Midday, 2pm, 4pm  
Nemo le Magician: 2pm – 4pm  
Opening Banter and a glass of wine: 5pm  
*It's science but not as you may know it!!!*



## **IRISH SEA PALAEOLANDSCAPES INVESTIGATION EXHIBITION**

Friday 17th November to Tuesday 21st November  
IT Sligo +

Dr. James Bonsall MIAI, is Chief Scientist on board the RV Celtic Voyager and project leader for The Irish Sea Palaeolandscapes Investigation Project which will be collecting sediment cores from Liverpool Bay and Cardigan Bay between 8th-13th November. The project will look for traces of the Mesolithic-Neolithic transition between Ireland and Britain with the cores then being assessed for Ancient Sedimentary DNA. A small touring exhibition of images and notes will be produced on the projects return and can be viewed at the locations above.

## **A FEW THINGS OF INTEREST ALL SCIENCE WEEK**

**THE SCIENCE TRAIL**  
SCIENCE OBJECTS IN SHOP WINDOWS  
CAN YOU FIND THEM?

**DISCOVER THE SCIENCE OF ICE CREAM** –If you think about it, an ice cream is actually quite a complex and multi-faceted composition – it should be solid, yet soft, and should stay that way while melting slowly. The reasons for the delicate and mesmerising nature of ice cream is ultimately a matter of food chemistry! Drop into Fabio's Ice cream shop on Lower Knox Street, Sligo during the Science Festival and ask our Ice Cream Scientist a question.

**Monday 13th November**



### **GAA SCIENCE – SCHOOLS**

Sports injuries practical GAA15  
with Dr Edwenia O'Malley  
1pm – 3pm, GAA Centre of Excellence  
Schools invitation only event.

Edwenia is a chartered physiotherapist and lecturer in Clinical Exercise. A GAA player herself, Dr O'Malley worked with the GAA Medical Welfare Committee at UCD to develop the GAA 15, a 15 minute structured warm-up which works on the development of good quality functional movements essential to the games of Gaelic Football and Hurling. Edwenia will deliver a practical schools session and an evening informative talk taking you through the evidence behind the programme and leave you with practical tips on conducting the programme with your team.



### **NEMO LE MAGICIAN**

4pm – 6pm, Quayside shopping Centre, Sligo  
Public Event (All Ages)

Our Science Magician will be out and about in Sligo during the festival – is it magic, is it science – what do you think – can you also learn a trick?



### **GAA SCIENCE – PUBLIC**

To Catch a Cheat with Professor Cathy McHugh, FRCPI, MD, MBA, DCH, Dip Med Ed.  
Sports injuries GAA15 with Dr Edwenia O'Malley  
7pm, IT Sligo Aurivo Auditorium – Public Event  
(All Ages)

Cathy worked for 3 years for WADA (World Anti-doping Agency) and IOC (International Olympic Committee) to develop the current test for detecting Growth hormone abuse in Elite sport as part of the GH2004 team in London. Now professorial role with NUIG for medical undergraduate students, Consultant Endocrinologist in Sligo University Hospital and clinical Lead for postgraduate lead education. Recently elected to the board of the Royal College of Physicians Cathy is currently doing collaborative research work with the Nutrition and Dietetics programme in IT Sligo.

### **IT SLIGO LECTURERS ROADSHOW – DR MARY HENEGHAN**

School only event

### **SCIENCE HUB – DR SARAH HEHIR IN CONVERSATION WITH DR YVONNE LANG'S — QUIRKY SCIENCE TALES**

8pm, McGarrigles Pub, 11 O'Connell St,  
Abbeyquarter North, Sligo. Public Event (Age 18+)

**Tuesday 14th November**



### **PROFESSOR RICHARD WISEMAN'S QUIRKOLOGY VIDEO SCREEN**

All day, The Model  
Public Event (All Ages)

Quirky mind stuff from psychologist, author and magician Richard Wiseman. If you are into psychology, illusions, bets you always win, magic, and the impossible.  
[WWW.YOUTUBE.COM/USER/QUIRKOLOGY](http://WWW.YOUTUBE.COM/USER/QUIRKOLOGY)

### **LET'S TALK ABOUT SEX?!?!UAL CONSENT?!!**

in association with the Health Promotion Team. Margaret McLoone, lecturer in Health Promotion at IT Sligo, hosts Brídín Bell of the Donegal Sexual Assault Treatment Unit and Jan Melia, CEO of NI Women's Aid Federation. An information session and open discussion event on relationships, consent and gender. From the front line of social support to the science behind our actions – is it biology that drives the way we interact with each other or the binary constructions of gender?

10.15am, Aurivo Auditorium, IT Sligo  
Public Event

### **CONSTRUCTING OUR FUTURE WITH BUILDING INFORMATION MODELLING (BIM)**

3pm, IT Sligo A0004



### **CAR OF THE FUTURE : HYDROGEN CHALLENGE WITH ARCOLA ENERGY**

Dromore West  
Schools invitation only event

Can Hydrogen provide a viable method of energy storage for vehicles of the future? This hands-on workshop allows participants to design and build a hydrogen powered model vehicle. Working in small groups, participants will design and construct their own model vehicle. Each group will be provided with a Hydrogen fuel cell to power their vehicle. Groups will then compete against each other to discover which design is the most efficient. Participants are encouraged to take an iterative approach, designing and building vehicles fast so they can see what works and what doesn't, working out ways to improve their distance each time they test.

### **SCIENCE ROADSHOW – JUGGLING SCIENTIST – JAMES SOPER**

Kiltyclogher Community Centre  
Schools invitation only event

James Soper is the juggling scientist. Teacher, ex-circus performer and Guinness World Record Holding juggler James performs exciting and educational shows about science for schools and festivals.

### **NEMO LE MAGICIAN**

4pm – 6pm, Quayside Shopping Centre, Sligo  
Public Event (All Ages)

**Wednesday 15th November**



### **A BIONIC BIOGRAPHY – SEÓNÁID Ó MURCHADHA**

6pm, IT Sligo Hume Hall

Founder of Amputee Disability Federation Ireland, Seónaid Ó Murchadha has been promoting the employment of people with disabilities for over 20 years, using her unique perception and engaging methods of communication to highlight the abilities of people with disabilities. A graduate of Dublin City University and the University of Alcalá, Seónaid has many years' experience assisting Irish employers successfully steer their way towards the greater inclusion of people with disabilities in the workplace, currently working as Project Manager for the EDI service supporting Irish employers to employ, recruit and retain people with disabilities as well as helping companies drive their diversity and inclusion initiatives. Seónaid, presenter of RTE 1 TV Three60 and Outside the Box on RTE radio 1, uses bionic technology on a daily basis to overcome the obstacles that living independently in an inaccessible world bring and Sligo Science Festival is privileged to be able to have Seónaid speak in person, not only on her work in the field of highlighting ability but also on the realism of being an end user in the advanced bionic technologies.

### **SCIENCE HUB – DR SARAH HEHIR IN CONVERSATION WITH...**

8pm, McGarrigles Pub, 11 O'Connell St, Abbeyquarter North, Sligo. Public Event (Age 18+)



### **CARROWKEEL ARCHAEOLOGY WALK WITH SAM MOORE**

Bus departs IT Sligo at 9.30am  
The Carrowkeel passage tomb complex

constitutes one of the best preserved Neolithic funerary landscapes in Europe. It is situated in the Bricklieve Mountains, Co. Sligo. The complex comprises 24 passage tombs and cairns that were likely constructed during the Middle Neolithic Ages (3500–2900 cal. BC). Sam will lead a walk in which you will visit four of the 24 cairns in the complex, and explore inside two of the cairns and visit Pollnagolum Cave and the view overlooking the Maullaghfarna Plateau. It is a relatively slow paced walk with many stops to both explore and rest. Sam Moore is an archaeologist with a keen interest in Irish passage tombs specifically and prehistory in general. He has written or contributed to a considerable number of local history articles, books and guides, and has considerable archaeological excavation and survey experience. Sensible footwear and waterproofs are advised. For further information and bookings please contact [MOORE.SAM@ITSLIGO.IE](mailto:MOORE.SAM@ITSLIGO.IE) or [MELIA.OLI@ITSLIGO.IE](mailto:MELIA.OLI@ITSLIGO.IE)

### **SCIENCE HUB – DR SARAH HEHIR IN CONVERSATION WITH...**

8pm, McGarrigles Pub, 11 O'Connell St, Abbeyquarter North, Sligo. Public Event (Age 18+)

**Thursday 16th November**

**ZOMBIE SCIENCE: WORST CASE SCENARIO**

2pm, Ballymote

Schools invitation only event (Age 13+)

Zombie Science: Worst Case Scenario is a spoof tutorial on the real science behind a Zombie epidemic. The tutorial puts the audience at the heart of a hypothetical Zombieism outbreak and teaches them what to do when the inevitable Zombie pandemic occurs. The tutorial features a multi-media presentation, practical demonstrations and audience participation. This project is supported by the Wellcome Trust and University of Glasgow.

[WWW.ZOMBIESCIENCE.CO.UK](http://WWW.ZOMBIESCIENCE.CO.UK)



**ZOMBIE SCIENCE: WORST CASE SCENARIO**

7pm, King House, Boyle

Public Event (Age 13+)

**ZOMBIE SCIENCE: WORST CASE SCENARIO**

10.30am, IT Sligo Aurivo Auditorium

Schools invitation only event (Age 13+)

**ZOMBIE SCIENCE: WORST CASE SCENARIO**

2.30pm, IT Sligo Aurivo Auditorium

Public Event (Age 16+)



**WOMEN IN TECHNOLOGY & SCIENCE EVENT WITH OONAGH MONAHAN**

7pm, IT Sligo Aurivo Auditorium

Public Event (All Ages)

Oonagh Monahan BSc., M.Eng.Sc. hosts an informative and celebratory event focusing on Women in Technology and Science. Graduate of NUI Galway, DIT, UCD and QUB, Oonagh set up Alpha Omega Consultants in 2008 providing consultancy, mentoring and project management services to InterTradeIreland (innovation and technology transfer programmes), the EPA (research projects) and Enterprise Ireland among others.



**IT SLIGO LECTURERS ROADSHOW – DR STEPHEN DALY**

Our Lady of Mercy Primary School & Scoil Ursula National School  
School only event

**ISTA SENIOR SCIENCE QUIZ FOR SECOND LEVEL SCHOOLS**

The annual ISTA science quiz

7pm, IT Sligo A0006

## Friday 17th November

### SPINAL PATTERNS AND REPATTERNING IN A VARIETY OF DANCE STYLES WITH SEBASTIÁN GÓMEZ-LOZANO

11.30am, IT Sligo C1004

Teacher of Instrumental Bones, Head of Master University in Dance and Art of Movement, San Antonio Catholic University, Murcia (Spain), Sebastian will show videos, slides and talk on various forms of dance and how the spinal column is affected by movement. Linked open workshop for both lecturers and students Hume Hall 12pm – 2pm on Thursday 16th.

### IRISH SEA PALAEOLANDSAPES INVESTIGATION EXHIBITION

Friday 17th November to Tuesday 21st November

### IT SLIGO LECTURERS ROADSHOW – DR YVONNE LANG

Invitation only event

### IT SLIGO LECTURERS ROADSHOW – AODHMAR CADOGAN

Gaelscoil Primary School  
School only event



### HONEYOLOGY WITH DR. JAMES BRENNAN, DR. TOM PATTON, DR. JOHN BARRETT AND CONOR DALY

7pm, Drafthouse, Strandhill  
Public Event (All Ages)

Three of the IT Sligo's scientists – Dr James Brennan, Dr Tom Patton and Dr John Barrett gained international recognition for their research into honey, having worked with bee keeper and Donegal businessman Conor Daly in the research of the Irish equivalent of Manuka Honey. So, can honey heal us all? Are bees the bee's knees after all? Come along to listen to the arguments, have a glass of mead, taste some honey and find out whether honeyology is indeed Science Fact or Fiction.



### SCIENCE HUB – DR SARAH HEHIR IN CONVERSATION WITH...

8pm, McGarrigles Pub, 11 O'Connell St,  
Abbeyquarter North, Sligo. Public Event (Age 18+)



### SOUND MAKERS – DR IAIN MCCURDY

3pm, IT Sligo A0006

In this talk, Dr. Iain McCurdy of Maynooth University will show us how we can create imaginative and innovative sound-making machines using cheap and readily available items such as Arduinos, Raspberry Pi, electronics components and various other odds and ends that can be found around the house.  
[WWW.IAINMCCURDY.ORG](http://WWW.IAINMCCURDY.ORG)



## ART OF BIRD IDENTIFICATION: A 40 YEAR PERSPECTIVE ON BIRDING & FIELD GUIDES BY KILLIAN MULLARNEY

8pm, IT Sligo A0005  
Public Event (All Ages)

Being renowned bird artist and international authority on bird identification, Killian's interest in birds developed and was nurtured at a very young age. Killian takes us back to a time when the only telescopes available were far inferior to what we have now. The limited information in field guides meant there was huge potential for personal discovery when the first really good telescopes appeared in the late 70s, which led to a 'renaissance' in bird identification knowledge that continues to this day.



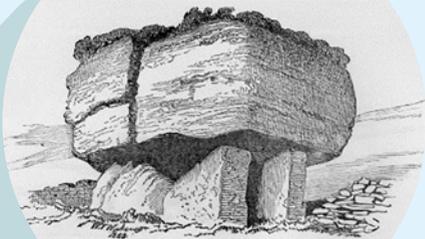
## MOONWALKING IN SLIGO

Northwest Adventure Tours  
8pm, Union Woods, Ballygawley

Moon walking but not like Micheal Jackson!! Join Northwest Adventure Tours for a fun and fact filled Moonlit Night Hike on Friday night. Hike under the starlit sky and learn the wonders of astronomy and what our ancestors thought about the skies. Discover how Star Wars really originated in Sligo and chill out under the stars while enjoying a warm drink and some tips from a professional night sky photographer. Be sure to bring your cameras along and pick up some new tips along the way. Northwest Adventure Tours torches will light the way through this ancient landscape that is steeped in history and astronomical connections. The hike will coincide with the tail end of Leonids Meteor Shower so you might be lucky enough to spot a few shooting stars. For further information and bookings please contact [MELIA.OLI@ITSLIGO.IE](mailto:MELIA.OLI@ITSLIGO.IE)



**Saturday 18th November**



### **WOOD-MARTIN ARCHAEOLOGY CONFERENCE**

All Day, IT Sligo Aurivo Auditorium  
Public Event (All Ages)

William G. Wood-Martin's importance rests primarily on his valuable contributions to Irish antiquarian and historical research. His writings include *Lake Dwellings of Ireland*; *Pagan Ireland*; *Traces of the Elder Faiths of Ireland*; *The Rude Stone Monuments of Ireland, County Sligo and Achill Island*, and are well known to students of Irish archaeology and folklore to this day. His *Sligo and the Enniskilleners, 1688–1691*, published in 1880, was followed by his 3-volume *History of Sligo, County and Town*, published between 1882 and 1892, is widely regarded as a work of national as well as local importance. Wood-Martin died at Cleveragh House, Sligo, on 16th November 1917. Speakers from the disciplines of archaeology, folklore and history will contextualize his work and contributions 100 years after his death.

Contact Sam Moore,  
MOORE.SAM@ITSLIGO for details or visit  
WWW.CROMLECHSCRANNOGSCURES.  
WORDPRESS.COM



### **SCIENCE ROADSHOWS FOR CHILDREN IN THE NORTHWEST**

**THE JUGGLING SCIENTIST BY JAMES SOPER**  
**ZOMBIE SCIENCE BY TIMETASTICAL PRODUCTIONS**  
**HYDROGEN CAR CHALLENGE BY ARCOLAS ENERGY**

Events by IT Sligo in association with County Sligo LEADER Partnership Company Limited. For further information please contact PBRENNAN@SLIGOLEADER.COM Thanks also to Sligo Leader for all assistance with the science trail.

Science Tricks and Treats  
with Dr Mary Heneghan  
Classroom Science Workshop  
with Dr Stephen Daly  
Science Activities in the Classroom Workshop  
with Dr Aodhmar Cadogan  
Science Fun and Games with Dr Yvonne Lang  
For further information please contact  
MELIA.OLI@ITSLIGO.IE

# Transition Year Science Crystal Competition

## The National Crystal Growing Competition 2017 has launched!

The competition is open to all students in Ireland and challenges them to grow a large single crystal with the help of their teacher. The winners will receive the National Crystal Growing Competition trophy and an iPad!

**FOR MORE INFORMATION:** [WWW.SSPC.IE/CRYSTAL\\_GROWING](http://WWW.SSPC.IE/CRYSTAL_GROWING)

IT Sligo will host a regional event for the National Crystal Growing initiative. The event is the Transition Year Science Week Competition.

**FOR FURTHER DETAILS CONTACT:** [LANG.YVONNE@ITSLIGO.IE](mailto:LANG.YVONNE@ITSLIGO.IE)



Supported by Science Foundation Ireland

**12-19 NOVEMBER 2017**

# Thank You!

A big thank you to all IT Sligo staff and students who volunteer time in delivering the Sligo Science Festival and to Sligo leader for supporting the Science Trail.

Sligo Science Festival organisers sincerely thank local businesses and community groups for their support.



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The Model 



Women in Technology and Science



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An Roinn Tithíochta, Pleanála,  
Pobail agus Rialtais Áitiúil  
Department of Housing, Planning,  
Community and Local Government



volunteer centre  
Ionad d'Oibair Dheonach Sligeach  
SLIGO



The Social Inclusion and Community Activation Programme  
(SICAP) 2015–2017  
is funded by the Irish Government  
and co-funded by the European Social Fund  
and includes a special allocation under the  
Youth Employment Initiative.



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Fondúireacht Eolaíochta Éireann  
Dá bhfuil romhainn  
Science Foundation Ireland  
For what's next

FOR MORE INFORMATION ON EVENTS OR TO BOOK ONTO AN EVENT,  
PLEASE CONTACT OLI MELIA: MELIA.OLI@ITSLIGO.IE  
PHONE: +353 71 930 5846  
FURTHER DETAILS: WWW.SFI.IE  
FOR DOWNLOADABLE BROCHURE: WWW.ITSLIGO.IE/SCIENCEWEEK

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