

## Find your way

Granaries	Pjazza d'Armi	Pjazza Cavalier	Roof	Exit Path
Info Desk Stands 1-3	Restrooms Rooms 4-10 Stands 11-15 Rooms 16-20 Info Desk	Restrooms Stands 21-22	Stand 23	Stands 24-28 Food & Beverage 29 Ambulance 30

## Getting There



Malta Public Transport operates the following routes:

**North:** Valletta, Msida, Birkirkara, Lija, Mosta, Burmarrad, Buġibba, Qawra, St. Paul's Bay, Xemxija, Mellieħa, Ġhadira Bay, Ċirkewwa.

**Central:** Valletta, Msida, Qroqq, Kappara, San Ġwann, Naxxar, Mosta, Mtarfa By-Pass, Rabat, Attard, Żebbug By-Pass, Qormi, Fleur-De-Lys, Hamrun.

**South 1:** Valletta, Marsa, Paola, Bormla, Kalkara, Xgħajra, Żabbar, Marsaskala, Fgura, Paola.

**South 2:** Valletta, Marsa, Tarxien, Żejtun, Marsaxlokk, Birżebbuġia, Airport, Żurrieq, Qrendi, Mqabba, Ħal-Farruġ.

**N13 (Night Route):** Valletta, Msida, Gzira, Sliema Ferries, St. Julian's.



A ferry service is available from Sliema to Marsamxetto, and from Cospicua Dockyard Creek to Lascaris (Grand Harbour side) until 19:45. Both ferry services from Valletta will be operating until midnight.



Taxis will be stationed at the Bus Terminal by City Gate, Valletta



If you would like to travel by car, consider using the "Cool Ride-Pooling" app, <https://cool.mt/for-riders>. Book your trip to and from Valletta with other passengers to save money and reduce your carbon footprint in a COOL atmosphere. Get to and from the festival quickly and safely! Use the PROMO CODE: **CLIMATE22**



## Malta's Science & Arts Festival

# TAKING ROOT

**30<sup>th</sup> September - 1<sup>st</sup> October**  
**Fort St. Elmo & Sala San Duminku**



[www.scienceinthecity.org.mt](http://www.scienceinthecity.org.mt)

[www.scienceinthecity.org.mt](http://www.scienceinthecity.org.mt)

## GRANARIES



### 1 EU Corner

All Ages

Before you go into the magical fort, stop at the granaries that once stored grain but now host fascinating EU funded research projects and a variety of other environmental and societal topics.

### 2 Sponsors

Fingerprints, garbage, fish the EU and biodiversity, an eclectic mix of topics waiting to greet you at the festival. SEM, TrustStamp, Wasteserv, the Environment and Resources Authority and AquaBioTech, the sponsors help make the festival happen!

### 3 Equal by Nature

All Ages

This Art Installation highlights just how similar we all are, genetically, emotionally and physiologically. We're all equal in the eyes of science. Join Daniel Okeoguale, Helen Adhanom Precious Orogun, Dr Raphael Vella and Dr Maria Pisani to talk about the installation and discuss how the arts and science can help us fight racism. This project is funded by Esplora's STEM in the Community Fund.

## ARCHES

### 4 Unconventional Science Careers

Ages 13-17 | UoM Marketing, Communications & Alumni Office

Looking for a career in Science? Talk to researchers, scientists, professors and students about their experiences. The exciting world of science awaits!

### 5 Mental Health: Breaking Down Taboos

All Ages

The Richmond Foundation strongly believes it's all about connections. Together we get to tackle the myths and facts about mental health.

### 6 Solving Real World Problems

Ages 10-12

Herbal medicines aren't everyone's cuppa tea. The Biotech lab will show how useful chemicals can be extracted from local plants and used in treatments such as cancer therapy or nutraceuticals. Take a closer look through their microscope.

### 7 Healthy Vs. Unhealthy

All Ages

MHSA students are here to save the day, they'll break down terms like fats, sugars and calories, into bite size morsels for all to digest and give you the science behind a healthy lifestyle.

### 8 Professor Cubertini's Lab of Experiments

All Ages

Join S-Cubed to learn how to grow crystals, or how glaciers are formed, watch a balloon inflate itself and wait for that volcano erupt. Seeing is believing!

### 9 DON'T be the Judge of That.

All Ages

Can you judge what is real and what is illusion as Betapsi will rock the foundations of your perspective through optical and auditory illusions?

### 10 Undercover Marketing

Ages 10-12

Marketing companies use hidden strategies to help their brands stand out above the rest. Using influencers, choosing specific colors and words... ASCS will show you how these subtle changes can make a huge difference!

## PJAZZA D'ARMI

### 11 The 12 Days of Engineering

All Ages

On the first day of engineering, my true love gave to me... I bet you've never received a climate calculator. Battery home energy storage? Each of the 12 stands from the Faculty of Engineering at the University of Malta will give you a gift of their cutting-edge research knowledge! Come visit each stand to learn about their revolutionary projects.

### 12 Keep Calm and Keep Learning

All Ages | Department of Statistics and Operations Research, MaKS, and Centre for Literacy

Looking for a career in Science? Talk to researchers, scientists, professors and students about their experiences. The exciting world of science awaits!

### 13 A World of Health

All Ages | National Alliance for Rare Diseases Support and Centre for Molecular Medicine and Biobanking, Department of Pharmacy, Malta Pharmaceutical Students' Association (MPSA), Malta Neurological Student's Society (MNSS), Malta Medical Students' Association (MMSA).

Health is a global thing. The fact that there are 6,000 rare diseases in the world afflicting 30 million European citizens. And the way climate change is changing our bodies and minds. Come explore a world of health with us!

### 14 Our Planet Earth

All Ages | Nature Trust, Institute of earth system, JUSTNature, Varcities, Birdlife Malta

Alien species, exotic birds, diverse plants and much more! The animal & plant world has so many hidden gems to discover. You will not believe how intriguing this world can be! Do not miss this one!

### 15 Once Upon a Health

All Ages | Malta association of biomedical scientists (MABS), Medical Biochemistry Students' Association (MBSA)

Put on your lab coat and investigate various conditions with specialists! Everything comes down to genes at the end of the day, right? Or maybe not.. Come along to find out more!

## ROOMS

### 16 Citizen's Think-In Discussion

Age 16+ | Faculty of ICT

Smile, you're on camera! From taking the bus, to police surveillance and everything in between, we are now being monitored in a way we never have been before. Join #DiscussAll and ADAPT Center from Ireland for a lively discussion!

### 17 Climate of Change Loading...

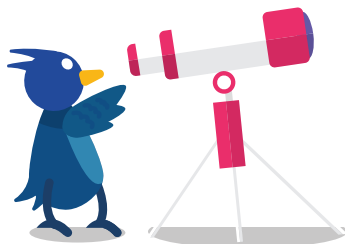
All Ages | Friends of the Earth Malta

Start a Climate of Change with the Friends of the Earth by finding your way out of an escape game or walk around the city spaces and visualise your rewarding corner! Find us also just outside Pjazza D'Armi!

### 18 Iftaħ beraħ! - Open Science across the SEA-EU alliance and beyond!

All Ages

Open science is all about connecting and sharing. Connecting people, connecting cultures, connecting the dots! Sharing resources, sharing experience, and sharing knowledge and more! SEA-EU & UM Library is hosting one here!



## 19 Submarine Voyage

All Ages

The closest thing to becoming an astronaut, is to be an aquanaut, where technology helps the body's physiology to survive for long stretches underwater. What tech could this be? Calypso Sub-Aqua Club has all the answers in this room.

## 20 What's for Dinner?

Ages 10-12

Join Heritage Malta to get a rare glimpse into the past. Isotope analysis will help us understand what really went on at the dinner table thousands of years ago right here in Malta.

## PJAZZA CAVALIER

### 21 On your mark, get set, PHYSICS

All Ages | Malta Street Sport Association, Malta Skateboarding Association

Sports and science are related!! We'll prove it to you at this exhilarating show by MSSA & MSA. A street sport show with a twist, lots of twists.

## 22 Rowing Challenge

All Ages

Who doesn't like games? G F Abela Junior College has prepared lots of fun activities for you to try out! Board games, computer games, challenges, experiments and so much more!

## ROOF

### 23 You are a star!

All Ages | The Astronomical Society of Malta

Join the Astronomical Society of Malta as they take to the skies in the hopes of seeing the great gas giants of our solar system.

## EXIT PATH

### 24 Climate of Change Loading...

All Ages | Friends of the Earth Malta

Start a Climate of Change with the Friends of the Earth by finding your way out of an escape game or walk around the city spaces and visualize your rewarding corner!

### 25 Robots Don't Byte!

All Ages | MissInTech, Institute of Digital Games, Faculty of ICT, IEEE Malta Section

Robots on the brink of revolution, communicating with computers in their language and discovering the world of digital games. We are living in a new digital world, why not explore it with the experts!

### 26 Tech Savvy

All Ages | Association of Model Engineers, MCAST - Institute of Applied Science

Fancy conducting hair-raising experiments with real-world scientists, visiting the world of miniature replicas and finding out what exciting technology is hidden behind all the sensors and switches we use in everyday life? We are looking forward to it already!

### 27 Swimming with Science

All Ages | Sharklab, Oceanography Malta Research Group / BlueEcoTech Ltd., Department of Geosciences, Calypso Sub-Aqua

Come swimming with sharks, sea grass, and aquanauts! You'll be surprised how much science there is in our seas!

### 28 Journey of Forensic Sciences

All Ages

Historical records show us that humans were executing forensic investigations thousands of years ago! Try your hand at investigating the latest in forensic tech with the experts, European Forensic Institute and Malta Police Forensic Science Laboratory!

## 29 Food & Beverage

### 30 Ambulance



A team of paramedics will be in an ambulance to give you any medical support needed.

## Performances

30/09 - 1/10 | All Ages | St. Dominic Theatre

Who doesn't like helping bees, why does earth feel under the weather these days? How can we look at hate speech from a different angle? What dance and biodiversity have in common? Ah, and water! What would we do without water? Does climate change affect us in any way? There are so many issues, we cannot just stand by! But let's take a moment to relax with some upbeat music. All of it during the performance festival.

## Friday 30/09

Slot A: 17- 18:15 | Hate Speech Performance (USPA) + Earthy's appointment (JustNature)

Slot B: 19 - 20 | Ensonglopedia - John Hinton

Slot C: 20:15 - 21:05 | Future Dancing & Hate Speech

Slot D: 21:20 - 22:20 | Future Dancing & Earthy's appointment

Slot E: 22:35 - 23:10 | Hate Speech + Future Dancing

## Saturday 01/10

Slot F: 10:00 - 10:35 | Gasping for Air + Future Dancing

Slot G: 10:50 - 11:30 | What about water?

Slot H: 11:45 - 12:15 | Hate Speech Performance

Slot I: 12:30 - 13:05 | Gasping for Air + Future Dancing

Slot J: 13:20 - 13:50 | Hate Speech

Slot K: 14:05 - 15:05 | Ensonglopedia

Slot L: 15:20 - 16:20 | What about water?

Slot M: 16:15 - 17:15 | Future Dancing + Earthy's appointment

## Notte Bianca

Slot N: 19:00 - 20:00 | Ensonglopedia + Future Dancing

Slot O: 20:15 - 21:15 | Solitary Bee

Slot P: 21:30 - 22:30 | Ensonglopedia + Future Dancing

Slot Q: 22:45 - 23:45 | Solitary Bee

## SATELLITE EVENTS

### BioArt Alchemy Tours & Workshops

Age 15+ | Spazju Kreattiv | 30 September @ 6:30PM, 7:30PM; 1 October @ 5:00PM;

Anna Dumitru explores synthetic biology, genomics, carbon capture, and infectious diseases by drawing threads through them with history and fashion. Come to Spazju Kreattiv to explore this world with a guide and participate in some art-science experiments!

### Kids Dig Science by the Malta Chamber of Scientists

7+ | Spazju Kreattiv | 30 September- 17:00, 18:00; 1 October- 11:00, 12:00

Kids Dig Science is a combination of interactive theatre and science. It taps into a child's desire to explore and discover, while teaching them to problem solve in the most creative of ways. Sean Briffa, Jeremy Grech and a host of puppets to explain about the origins of humans.

### It Happened Here! Launch

All Ages | Valletta Design Cluster | September 30th @ 18:00 until 23:00

It Happened Here! is an interactive street theatre experience that blurs the lines between the digital and the real world. Using a custom app participants bring a character to life. Every chapter of the story is triggered by entering a specific location in Senglea.

Co-funded by the Arts Council Malta's Programme Support Fund, StC and The Senglea Local Council.

