

2022 Science Show Competition

July 9-10, 2022 – Park of the *Perle-du-Lac*, Geneva, Switzerland
an essential science dialogue tool between scientists and the public during the Nuit de la Science 2022

Participant Road Book

Version 2 – July 4, 2022

YOU DO NOT NEED TO PRINT THIS DOCUMENT; A PRINTED VERSION WILL BE PROVIDED



Science Me! 2022 Science Show Competition

University of Geneva – Sciences II

30, quai Ernest-Ansermet – CH-1211 Geneva 4 – <http://ScienceMe.unige.ch> – ScienceMe@unige.ch

An initiative of *Chimiscope* – UNIGE
and *Musée d'Histoire des Sciences* – city of Geneva

 **Chimiscope** UNIGE

musée d'histoire
des sciences

FOREWORD

Finally! After a 2-year hiatus due to the pandemic, **Science Me!**, the European science show competition, is back again for its 5th edition, and we are eagerly looking forward to meeting you in Geneva, July 9-10, during the 13th *Nuit de la Science*, an open event in the gorgeous Park of the *Perle-du-Lac* hosting the *Musée d'Histoire des Sciences*. The weekend of the *Nuit de la Science* traditionally attracts *ca.* 30'000-35'000 visitors of all ages and origins and speaking all languages (but mostly French and English) who take great delight in gaining scientific knowledge and are spellbound in meeting researchers in a friendly atmosphere.

As a special come-back to public life, **EuroScienceFun**, the European network of science edutainers organising its annual **ShowScience** conference, and **Science Me!** have joined their efforts to organise in Geneva a coupled event gathering the elite of science edutainers wishing to share and communicate their passion with a simple agenda: first talk together (**ShowScience**, July 5-8), then show for the public (**Science Me!**, July 9-10).

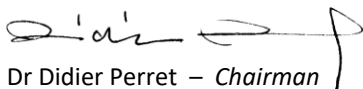
Most participants of **ShowScience** also take part to **Science Me!**. For the ones who exclusively participate to **Science Me!** but are interested in becoming members of the **EuroScienceFun** network or of knowing the programme of the 2022 **ShowScience** edition, please refer directly to <https://eurosciencefun.org/>.

Science Me! is considered the flagship of the *Nuit de la Science* by the *Musée d'Histoire des Sciences* because spectators have the opportunity not be mere consumers of sciences but also **evaluators of how science is communicated**. For its central role in the event, **Science Me!** is hosted under the largest theatre-tent of the *Nuit de la Science*.

A remarkable asset of **Science Me!** is that the shows are evaluated by the spectators, whichever their scientific background, based on their awareness and sensitivity, while a jury of experts scores the shows on a set of 30 quantitative and qualitative criteria. The arithmetic between the scores of spectators and jury then makes it to the final ranking!

The format of **Science Me!** is simple: Teams of maximum 2 edutainers on stage are allowed a single 10-minute slot to demonstrate a scientific fact, explore a singularity, do an experiment, play a performance, illustrate a well-known phenomenon, or communicate a research breakthrough, in other words create a positive link with the public. French or English shows are welcome, but we dream of a wordless show that would be universally understandable!

Convinced that this event has become durable, we are looking forward to meeting your team soon in Geneva, and we are convinced you will enjoy **Science Me!** as much as we will enjoy your show. Good luck to all of you!



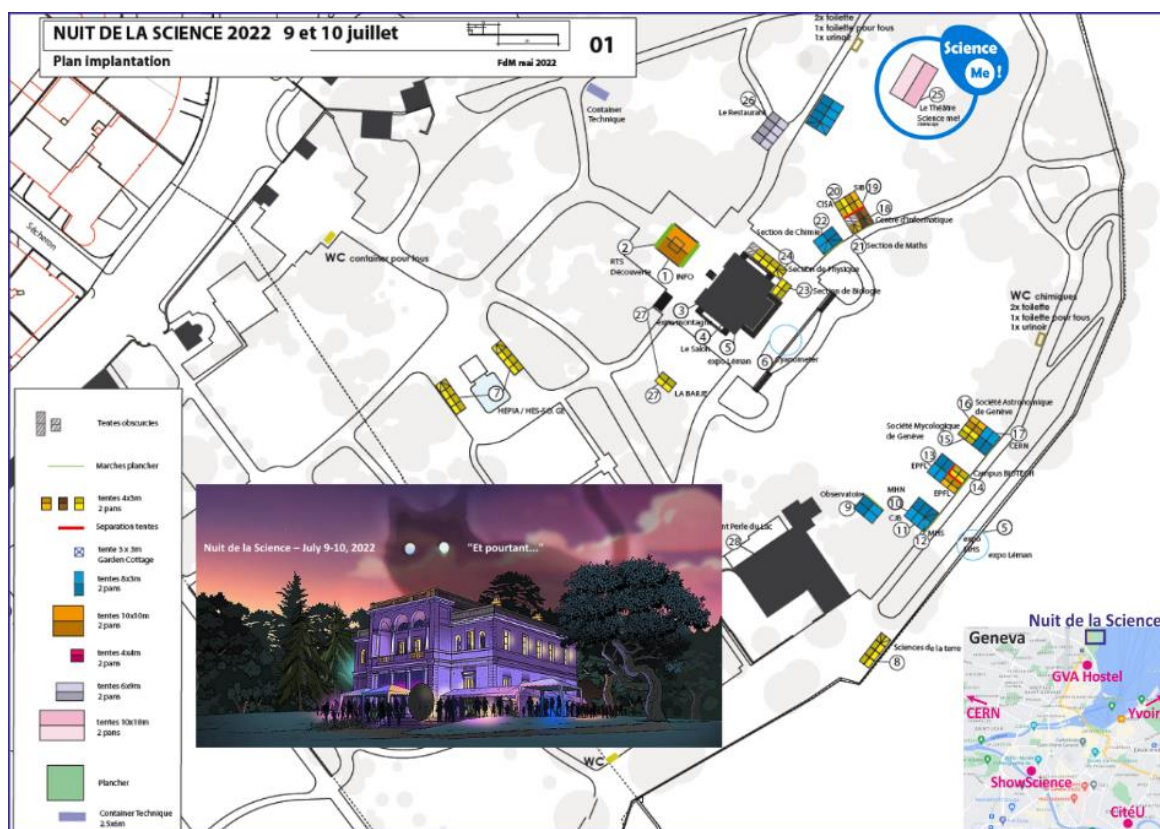
Dr Didier Perret – *Chairman*

MILESTONES

Friday, July 8, 11:00-12:30	For participants of ShowScience who take part to Science Me! , preparation of material (School of Physics, UNIGE)
Saturday, July 9, 09:00-12:00	Final mounting of Science Me! theatre-tent by organisers and access to participants for material deposit (vehicles require a special badge to access the park; see below)
Saturday, July 9, 12:00-16:00	Tests and technical/safety checks for participating teams
Saturday, July 9, 14:00-23:00	Nuit de la Science 2022 (open access)
Saturday, July 9, 17:00-19:00	Use of theatre-tent by the Geneva authorities for the official ceremony of the Nuit de la Science 2022
Saturday, July 9, 20:00-23:00	Science Me! shows (team #1 → team #7 + 2 teams out-of-competition)
Sunday, July 10, 12:00-19:00	Nuit de la Science 2022 (open access)
Sunday, July 10, 14:00-16:00	Science Me! shows (team #8 → team #14)
Sunday, July 10, 16:30-17:00	Science Me! Award ceremony + group picture + closing

VENUE

The **Nuit de la Science** and **Musée d'Histoire des Sciences** are in the Park of the **Perle-du-Lac**, West side of Lake Geneva. The **Science Me!** theatre-tent is on the North-Eastern corner of the park.



Site map: <http://maps.google.com/?q=46.220837,6.152139>

Access from airport: Train from **Geneva Airport** to **Genève Cornavin** train station, then bus #1 from **Genève Cornavin** to **Perle-du-Lac**; ca. 30min total journey

Access from train station: Bus #1 from **Genève Cornavin** to **Perle-du-Lac**; 5min journey

Access from Cité Universitaire: see **ShowScience** programme

Access from Geneva Hostel: 10min walking distance



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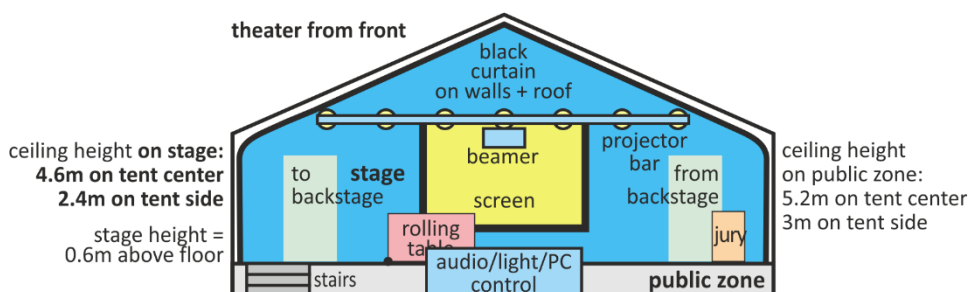
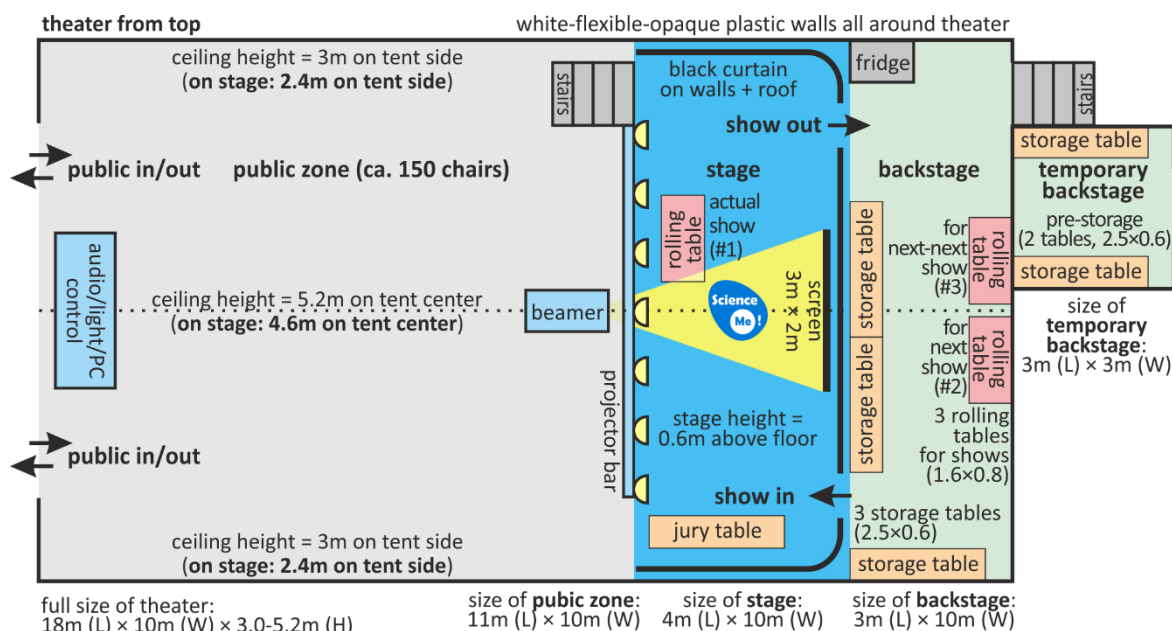
In principle, the material of the participants of **ShowScience** who take part to **Science Me!** will be transported to the Park of the *Perle-du-Lac*, either Friday 8 afternoon or Saturday 9 morning. Participants of **Science Me!** with a vehicle, who were not present at **ShowScience**, will have to bring their material to the Park of the *Perle-du-Lac*, but they will need a **special badge to enter the park**. Likewise, participants with a vehicle will need **another special badge to park safely** from Friday evening to Sunday evening.

The badges will be distributed upon request during **ShowScience** by **Science Me!** staff.

THEATRE-TENT AND FACILITIES

- **Stage:** 40m², 60cm above floor; darkened with black curtain on back/sides/roof
- **Computer:** 1 PC laptop, Windows 10, Powerpoint, Adobe Acrobat Reader, remote control with laser pointer
- **Video projectors:** 8000 Lumen (+ 5200 Lumen) laser full HD, 16×10 1920×1200 HDMI
- **Display:** 3m × 2m screen

- **Microphones:** 2 sets of 2 HP clip-on microphones (for 1 team on stage + 1 team in preparation) + 1 microphone for the Master of Ceremony + 1 clap-o-meter for recording the applauses of the public (top-centre of the tent)
- **Audio:** mixing table, loudspeakers (inputs: microphones + laptop), fold-back on stage
- **Backstage:** tables for preparation of shows, 3 tables on wheel for ease of team swap between shows, space for storage of material, fire extinguishers, refrigerator; access by stairs on back of the tent (a small tent for material storage is available on back)
- **Others:** additional material required by some of the teams is provided backstage.




JURY, MASTER OF CEREMONY, AND STAFF

- **Official Jury:** **Fabrice Riblet** (Jardin Expérimental) and **Massimo Caine** (Faculté des Sciences UNIGE), independent members from the international science communication community, to evaluate the shows on *ca.* 30 quantitative and qualitative criteria; the decisions of the Jury are irrevocable and will be made available upon request after the event on an individual basis
- **Master of Ceremony (MC):** **Arthur Nguyen** (independent coach and improviser); to introduce the teams, moderate interactions with the public and be the timekeeper
- **Welcome + Control Room + Backstage managers/assistants:** to welcome teams and help in back-office, to cope with the sequences of presentations and audio-visuals, and ensure smooth transitions between shows
- **Photo and Video managers:** to cope with photo/video recording of the event and counting of the audience (declaration of consent will have to be signed by teams)

PARTICIPATING TEAMS

Team numbers are given below according to the running order of shows.

- | | |
|---|--|
|  | #1 Fysikshow Aarhus. Physics.
Ms William Jedig + Mr Jacob Loft. Denmark. |
|  | #2 ÚDiCh. Chemistry.
Ms Lenka Karpíšková + Mr Jiří Vlach. Czech Republic. |
|  | #3 Heweliusze Nauki. Multi-sciences.
Mr Tomasz Ruszkowski + Mr Mikołaj Karpiński. Poland. |
|  | #4 Stichting Rino. Physics.
Mr Daniël Mirck + Mr Gabriël Smits. The Netherlands. |
|  | #5 Mobilis. Physics.
Mr Ernő Gyarmathy + Mr Levente Vadász. Hungary. |
|  | #6 Centrum Nauki Kopernik. Multi-sciences.
Mr Łukasz Kozłowski + Mr Mateusz Sieńczewski. Poland. |
|  | #7 Junior Academy of Science. Chemistry.
Ms Mariia Dubrova + Ms Anna Makarova. Ukraine. |
|  | – (out-of-competition) Åbo Akademi Science Show. Physics.
Mr Johan Lindén. Finland. |
|  | – (out-of-competition) ÚDiF. Physics.
Ms Barbora Mikulecká + Mr Vojtěch Hanák. Czech Republic. |
|  | #8 Teadusbuss. Multi-sciences.
Mr Vootele Mets + Mr Oskar Tamm. Estonia. |
|  | #9 My Favourite Experiments. Multi-sciences.
Mr Michael Gregory. France. |
|  | #10 Kemishow Aarhus. Chemistry.
Ms Benedicte Svendsen + Mr Emil Hougaard. Denmark. |
|  | #11 Université Mohammed V. Chemistry.
Ms Hanae El Monfalouti + Mr Badr Eddine Kartah. Morocco. |
|  | #12 Nasko Stamenov. Biology.
Mr Nasko Stamenov. Bulgaria. |
|  | #13 Vida! Physics.
Ms Jülie Tomaňová + Mr Vojtěch Marek. Czech Republic. |
|  | #14 Science Gateway. Physics.
Ms Anja Kranjc Horvat + Ms Ruadh Duggan. Switzerland. |

TIMETABLE OF SHOWS

Shows are arranged into slots of 10min, with a 5min gap between each show to afford for team swap (while one team is performing on stage, another team in backstage is ready to start, and a third team is preparing its forthcoming show in backstage).

We hope that the spectators will at least stay during 3-4 shows, to allow for better representativity of the audience's evaluation (measured by a clap-o-meter).

A detailed timetable of the shows will be displayed on a poster in front of the tent.

SATURDAY, JULY 9, EVENING

#	Start	End	Qui / Who	Quoi / What
–	20:00	20:10	Master of Ceremony / Jury	Bienvenue / Welcome
1	20:15	20:25	Fysikshow Aarhus (Denmark)	Physique / Physics
2	20:30	20:40	ÚDiCh (Czech Republic)	Chimie / Chemistry
3	20:45	20:55	Heweliusze Nauki (Poland)	Multi-sciences
4	21:00	21:10	Stichting Rino (Netherlands)	Physique / Physics
5	21:15	21:25	Mobilis (Hungary)	Physique / Physics
6	21:30	21:40	Centrum Nauki Kopernik (Poland)	Multi-sciences
7	21:45	21:55	Junior Academy of Science (Ukraine)	Chimie / Chemistry
–	22:15	22:30	out-of-competition: Åbo Akademi Science Show (Finland)	
–	22:30	22:45	out-of-competition: ÚDiF (Czech Republic)	

SUNDAY, JULY 10, AFTERNOON

#	Start	End	Qui / Who	Quoi / What
–	14:00	14:10	Master of Ceremony / Jury	Bienvenue / Welcome
8	14:15	14:25	Teadusbuss (Estonia)	Multi-sciences
9	14:30	14:40	My Favourite Experiments (France)	Multi-sciences
10	14:45	14:55	Kemishow Aarhus (Denmark)	Chimie / Chemistry
11	15:00	15:10	Université Mohammed V (Morocco)	Chimie / Chemistry
12	15:15	15:25	Nasko Stamenov (Bulgary)	Biologie / Biology
13	15:30	15:40	Vida! (Czech Republic)	Physique / Physics
14	15:45	15:55	Science Gateway (Switzerland)	Physique / Physics
–	16:30	16:40	Jury / MC – Cérémonie des Lauréat-es / Awards Ceremony	

EVALUATION OF SHOWS

Each team has only one chance to publicly create the dialogue, enchant the audience, and convince the independent Jury.

The shows are evaluated by the public and by the Jury according to the following criteria:

- **Evaluation by the public:** Strength (L_{eq} dB(C), in [dB]) and duration of the applauses, measured by a professional clap-o-meter, weighted by the number of people in the audience, normalised for a maximum score = 100%.
- **Evaluation by the independent Jury:** Quality and strength of the pedagogical and didactic aspects of the show; interaction with the audience; scientific relevance of the show (well-known concept vs. front-edge research); artistic and poetic dimensions of the show; spectacular and exhilarating aspects of the show; simplicity



vs. complexity of the scientific content and concepts presented; fulfilment of safety regulation (when it applies); clarity of presentation for the audience (French or English or wordless); and personal favourites. The weighing of each parameter to obtain the final score of the Jury will not be publicly revealed.

For each show, the global score is a combination of the evaluation given by the public and of the score of the Jury. Weighing of the public and Jury evaluations will in principle be 50%:50%, but it can be determined differently by the Jury and the organising committee if circumstances so require; in case of disagreement between the organising committee and the Jury, the voice of the Jury will obtain majority.

Three Prizes are attributed, and one **Special Prize** will be attributed to the next best non-awarded team, either based on the ranking of the Jury or based on the ranking of the evaluation by the public.

ACCOMMODATION

Participants of **ShowScience** are lodged in the *Cité Universitaire* during the period mentioned when they registered (see **ShowScience** programme). Those participants who also take part to **Science Me!** are also lodged in the *Cité Universitaire*; exceptions have been made available for late registrations, where participants are lodged at *Geneva Hostel* (28-30 rue Rothschild; ca. 900m from the *Gare Cornavin* train station and ca. 700m from the Park of the *Perle-du-Lac*). Be it for **ShowScience** or for **Science Me!**, lodging fees are covered by the organisers until Sunday 10 July; it is the responsibility of the teams to find other options if they wish to stay in Geneva longer than Sunday 10 July.

Upon check-in (in the *Cité Universitaire* or at *Geneva Hostel*), participants receive a **Geneva Transport Card** allowing them to use all lines of the Geneva public transport (buses, tramways, boat lines “*Mouettes Genevoises*”).

Participants arriving at **Geneva Airport** can obtain a free 80-minute ticket for public transport from the machine available in the baggage collection area at the Arrival level.

HOW, WHEN AND WHERE TO START **SCIENCE ME!**

Arrival and departure dates differ for several teams. We thus suggest the following to ensure that your journey in Geneva will not be spoiled by little mishaps:

- **Geneva public transport (TPG; <https://www.tpg.ch/en>):**
 - If you arrive at the Geneva Airport airport, don't forget to get your free public transport ticket (80-minute validity) at the Arrival level of the airport (before going through the customs)
 - If you arrive at the *Genève Cornavin* train station, you'll have to buy either a 1-hour ticket (CHF 3.-) or a 1-day ticket (CHF 10.-, or CHF 8.- for validity starting at 9h) at a ticket machines of the Geneva public transport company (TPG)
 - The ticket machines accept CHF, EUR, and most debit/credit cards, and give change back
 - Tickets can also be purchased before going into a bus/tramway by SMS sent to the number 788 (code *tpg1* for a 1-hour ticket; code *cj1* for a 1-day ticket)
 - Wherever you sleep, you will receive a free Geneva Transport Card, which will be valid during all the days of your stay at the hotel (teams planning to sleep somewhere else will have to pay their public transport tickets (see above)

- **Check-in and check-out in the Cité Universitaire:**
 - Please refer to the **ShowScience** programme provided by Olivier Gaumer.
- **Check-in and check-out at Geneva Hostel:**
 - In principle, check-in time at *Geneva Hostel* is 14h, and check-out time is 10h, but **Science Me!** teams arriving before 14h will be able to leave their luggage at the desk, to **check-in with the booking number 412308 (Didier Perret – UNIGE)**, and receive their Geneva Transport Card; likewise, if you leave later than 10h, check-out at 10h and leave your luggage at the desk.
 - Please follow the instruction of the *Geneva Hostel* staff to receive all relevant information (ID + address, schedules, rules, WiFi codes, etc.).
- **Access to the Science Me! theatre-tent:**
 - To get into the Park of *the Perle-du-Lac* with a private vehicle (Saturday, July 9: 8h30-13h30 + 23h-1h; Sunday, July 10: 10h-11h30 + 19h-24h) requires an **access badge**. Please contact in advance **Didier**, mobile +41-79-2244857 (e.g. during the **ShowScience** event), to obtain an access badge.
 - If required, we will also provide a **parking badge** for the nearby *Parking Radjavi* to park your vehicle safely during the event (Saturday 8h-2h; Sunday 10h-24h).
- **Storing your material, checking/testing your presentation/material, checking the stage and backstage, and other details:**
 - Didier will be preparing the theatre-tent for the **Science Me!** event from Friday, July 8, afternoon. You can already bring your material in the evening if it has not already been moved from the **ShowScience** event by the team of Olivier
 - The theatre-tent will be under control of security agents during the nights, but expensive material can be stored in the *Musée d'Histoire des Sciences*.
 - Friday evening, you can already have an overview of the stage, backstage, beamer, computer, and audio-visual facilities (as far as they are already installed).
 - **Official access to the theatre-tent is planned on Saturday, July 9, morning;** you will be able to check your presentation and give us a copy, which will be pre-loaded on our computer, with all your relevant instructions; we will be there to pick up your files and instructions and to take all your questions!
 - When you arrive, you will receive **vouchers for free meals** on site during the event (Saturday + Sunday). Free vouchers will be offered to all members of each team, based on 1 voucher (meal + drink) per person and per day.
 - **Tests on Saturday, July 9, will be possible until maximum 16h30** (the theatre-tent will be used at 18h for the official opening ceremony of the *Nuit de la Science*).
 - Whatsoever, there will be **no possibility** to make rehearsals or be under the tent on Saturday, July 9, from 16h30 to 19h, and **Science Me! will start at exactly 20h**.
 - On Saturday evening and Sunday afternoon, teams will have access to backstage to (silently) prepare their shows; teams are expected to come in advance; the **Backstage Manager/Assistant** will be there to guide teams and explain ultimate details for a smooth event.
 - Teams with slides/music must determine in advance with the Control Room Manager/Assistant who will take control of slides/music: presenters can use a remote control on stage (for slides, but not for music), or they can ask an accompanying person to take control of slides/music from our computer (preferred option), or they can ask our Control Room Assistant to take full control.
 - **Teams who did not test their presentation in advance will not be allowed on stage for the public show, and no Control Room support will be provided.**

- **Final words on your shows:**

- The rules of the competition put, amongst others, emphasis on the fulfilment of safety regulations (the organising committee considers that safe experiments are the best ambassadors of science among the general audience, although the public usually loves explosions and other highly spectacular experiments...).
- For this reason, and because the theatre tent has a limited height, **experiments which are or could be dangerous, or which could impair the public or the teams, or which could result in accidents, will not be allowed for the public show**; an instructed staff member will be present backstage to check for this point.

REIMBURSEMENTS

For the teams who made the request in advance, the reimbursement process will be initiated soon after the event. To be refunded, concerned teams must follow these instructions (strict rules of the Accounting Services of UNIGE):

- **Flights or trains booked on-line:** Please keep PDF copies of your on-line bookings, and original boarding passes or train tickets, which demonstrate that you bought tickets and that you really travelled by flight or train
- **Travel with a vehicle:** Please keep all tickets which demonstrate that you really travelled with a private vehicle

For the time being, the requests for reimbursements exceed the allocated budget but the organising committee will do its best to cover these requests.

USEFUL LINKS

<i>Science Me!</i> event	http://ScienceMe.unige.ch – ScienceMe@unige.ch
<i>ShowScience 2022</i> event	https://eurosciencefun.org/showscience-2022/
<i>Nuit de la Science 2022</i> event	http://institutions.ville-geneve.ch/fr/mhn/votre-visite/agenda/nuit-de-la-science-et-pourtant/
<i>Chimiscope – UNIGE</i>	https://scienscope.unige.ch/chimiscope/
<i>Musée d'Histoire des Sciences</i>	http://institutions.ville-geneve.ch/fr/mhn/votre-visite/musee-dhistoire-des-sciences/
Park of the <i>Perle-du-Lac</i>	https://www.geneve.ch/en/parc-perle
<i>Geneva Hostel</i>	https://genevahostel.ch/en/
<i>Geneva international airport</i>	https://www.gva.ch/en/
<i>Transports Publics Genevois</i>	https://www.tpg.ch/en/
Boat lines " <i>Mouettes Genevoises</i> "	https://www.mouettesgenevoises.ch/?lang=en

ACKNOWLEDGEMENTS

The *Science Me!* European science show competition receives the support of important contributors, which we warmly acknowledge here:



Scienscope of the University of Geneva

<https://scienscope.unige.ch>



School of Chemistry and Biochemistry, University of Geneva

<http://www.unige.ch/sciences/chimie/en/>



ChimiscopE of the University of Geneva

<https://scienscope.unige.ch/chimiscopE>



EuroScienceFun

<https://eurosciencefun.org/>

The following persons are warmly acknowledged for their participation in the event:

- **Fabrice Riblet** (*Jardin Expérimental*; St.Loup-Géanges, France); Independent member of the Jury. <http://www.jardin-experimental.fr/>
- **Massimo Caine** (Faculty of Science UNIGE; Geneva, Switzerland); Independent member of the Jury. <https://www.unige.ch/sciences/en/>
- **Arthur Nguyen** (coach and improviser): Master of Ceremony.

ORGANISING COMMITTEE



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ChimiscopE, University of Geneva

<https://scienscope.unige.ch/chimiscopE> – chimiscopE@unige.ch



Dr Laurence-Isaline Stahl-Gretsch, Fernando de Miguel, Gilles Hernot

Musée d'Histoire des Sciences, City of Geneva

<http://institutions.ville-geneve.ch/fr/mhn/votre-visite/musee-dhistoire-des-sciences>

STAFF (the ones who do everything perfectly, mostly in the shadow)

- **Yvan Le Hyaric + Giada Bedendi**, Backstage Manager/Assistant
- **Arnaud Marchand + Ekaterina Souhodolskaya**, Control Room Manager/Assistant
- **Selmihan Sahin**, Welcome and Back-Office Manager
- **Jaime Benicio Neto + Franck Guignard**, Video Manager and Photo Manager



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