

## Annex A – List of Confirmed GYSS 2022 speakers

S/N	Speaker	Award/ Achievement
1	Prof Aaron Ciechanover	Nobel Prize in Chemistry (2004)
2	Prof Ada Yonath	Nobel Prize in Chemistry (2009)
3	Prof Alessio Figalli	Fields Medal (2018)
4	Sir Andre Geim	Nobel Prize in Physics (2010)
5	Sir John E. Walker	Nobel Prize in Chemistry (1997)
6	Sir Konstantin Novoselov	Nobel Prize in Physics (2010)
7	Prof Leslie Valiant	Turing (2010)
8	Prof Michael Young	Nobel Prize in Physiology/Medicine (2017)
9	Prof Robert Langner	Millennium Technology Prize (2008)
10	Prof Stanley Whittingham	Nobel Prize in Chemistry (2019)
11	Prof Stuart Parkin	Millennium Technology Prize (2014)
12	Prof Takaaki Kajita	Nobel Prize in Physics (2015)
13	Prof Thomas Cech	Nobel Prize in Chemistry (1989)
14	Prof Thomas Sudhof	Nobel Prize in Physiology/Medicine (2013)
15	Sir Tim Hunt	Nobel Prize in Physiology/Medicine (2001)

## Annex B – Eligibility and Selection Criteria for Nominations – for Participants and Viewers

Nominations for GYSS participants are for students or researchers from universities and research institutions worldwide, at the following levels:

- Undergraduate students;
- Master's and Doctoral students; and
- Young postdoctoral scientists.

All nominated participants and open applicants should

- Not be older than 35 years of age at the time of the Summit;
- Show a genuine interest in science and research;
- Show a strong commitment to their principal field of studies and to interdisciplinary work;
- Received the endorsement of an organisation that was invited to provide nominees OR received strong support of their application by their head of department and/or by internationally renowned scientists, through a letter of recommendation;
- Be fluent in English to actively participate in discussions;
- Not have participated in previous Global Young Scientists Summits, with the exception for GYSS 2021; and
- Not yet have a permanent position (scientists with permanent positions, in particular on the professor level, will in general not be admitted to the Summit)

### Registration Process

#### **Phase 1**

The nomination process is web-based. Invited organisations will be provided with a unique URL for each institution. You will be asked to submit the nominees' name, email address, and institution. Representatives are not required to provide detailed CVs or academic track records of the nominees.

Upon submission through the system, nominees will be informed to submit further details. Only nominees who successfully submit all required information will be considered.

Open applicants (i.e. those applying without the endorsement of an invited organisation) can also apply, but will be required to submit an additional letter of recommendation from the applicant's head of department or an internationally renowned scientist.

#### **Phase 2**

Nominees will be informed of the status of their applications. Successful nominees will be required to provide further information, such as their personal details, choice of any optional sessions to attend, and also submit their CV.

#### **Recommendation Letters – only for Open Applicants**

The recommendation letter should follow the following guidelines:

- Provide the applicant's personal research achievements or in raising public awareness of science, and not provide information on the applicants host institution.
- In the case where one individual is providing recommendation letters for multiple applicants, the recommendation letters should be customised to each applicant and should not a standard letter.
- Please keep the length to approximately one DIN A4/ standard letter size.
- Letter should be in English language.
- Submit the letter as a PDF file.

Facebook



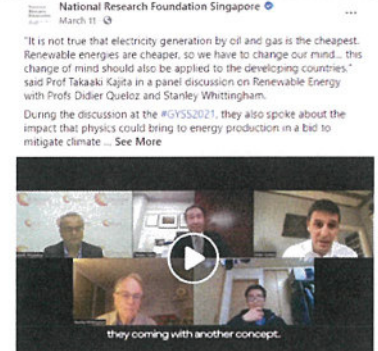
**GYSS 2021 Panel Discussion on 'Science and Policy'**

*In a timely panel discussion on science and policymaking, Dr. Venki Ramakrishnan (Nobel Prize in Chemistry, 2009) and Prof. Tan Chorh Chuan discussed the impact of the pandemic on their work, and emphasised the importance of transparency and accountability, to build trust among all involved, including the public and the authorities.*



**Prof Alessio Figalli – Optimal transport: From nature to machine learning**

*Prof. Alessio Figalli (Fields Medallist, 2018), who developed the Optimal Transport theory, described how the theory is being applied to huge issues, from construction, to climate change, and even in machine learning to improve image recognition.*



**GYSS 2021 Panel Discussion - Renewable Energy: A Key Enabler for Climate Neutrality**

*In a discussion on renewable energy, Prof. Didier Queloz (Nobel Prize in Physics, 2019), Prof. M. Stanley Whittingham (Nobel Prize in Chemistry, 2019) and Prof. Takaaki Kajita (Nobel Prize in Physics, 2015) stressed the urgency for policymaking and regulation to help reduce the impact on the climate.*

**Facebook Vitals for GYSS 2021:** More than 740,000 ppl reached and 24,000 engaged online.

**Attachments:**

- image001.png
- image002.png
- image003.png
- image004.png
- image005.png
- image006.png
- image007.png
- image008.png

YouTube



**GYSS 2021 Panel Discussion - Personalised Medicine**

*Prof. Jennifer Doudna (Nobel Laureate in Chemistry, 2020) and Prof. Thomas Cech (Nobel Laureate in Chemistry, 1989) discussed the many ways that the CRISPR technique can be applied – from medicine, to research and agriculture – in a lively session with young scientists.*



**GYSS 2021 Panel Discussion – Confluence of Quantum and Computing**

*Dr. William D. Phillips (Nobel Laureate in Physics, 1997), Prof. Jose Latorre, and Prof. Yvonne Gao, discussed in a panel discussion on how the confluence of quantum and computing may give rise to future economies and societies.*

**YouTube Vitals for GYSS 2021:** Over 10,800 video and livestream views in total.