



Global Young Scientists Summit@one-north 2015 18 – 23 January 2015 Participant Selection Criteria

About the Summit

The Global Young Scientists Summit@one-north (GYSS@one-north) is a gathering of young researchers (primarily PhD students and post-docs) from all over the world, with internationally eminent science and technology leaders ('speakers') in Singapore. The Summit will discuss the latest advances in science & technology, and how research could be harnessed to address major global challenges. It is a multi-disciplinary Summit, covering topics ranging from chemistry, physics and medicine to mathematics, computer science and engineering. Speakers invited to the GYSS@one-north are globally recognised scientific leaders, who are recipients of the Fields Medal, Millennium Technology Prize, Nobel Prize, and Turing Award.

Excite. Engage. Enable.

The GYSS@one-north aims to inspire and *excite* bright young scientists, through close interactions with eminent scientific leaders, to apply their minds to research which addresses serious global challenges and the future needs of mankind. The Summit provides a platform for these young researchers to connect and *engage* with like-minded peers from all over the world and build up a global research network. An integral part of GYSS@one-north is the Singapore Challenge, which will *enable* participants with a compelling research proposition to take steps to bring their ideas to fruition.

GYSS@one-north 2015

The inaugural GYSS@one-north 2013 attracted close to 280 bright young international scientific talents to Singapore, where over the course of a week, had close interactions with 15 eminent scientists. This was followed by GYSS@one-north 2014 where around 290 participants and 18 speakers engaged in intensive scientific discussions. Both participants and speakers had the unique opportunity to immerse themselves in the local research, education and innovation eco-system.

The theme for GYSS@one-north 2015 is "*Advancing Science, Creating Technologies for a Better World*", similar to that of the earlier Summits. Over a specially curated 5-day programme, bright young researchers will interact with eminent scientists and peers to discuss key areas of science & research, technology innovation & society, and solutions to global challenges.

The first 3 days of the Summit comprise plenary lectures and panel discussions with the invited speakers in the morning followed by small group informal interaction sessions or master-classes with the speakers in the afternoon. Participants will have the unique opportunity to visit the universities, research centres and other R&D highlights of Singapore in the final 2 days of the Summit. The GYSS@one-north 2015 will be mostly held within the campus of the Nanyang Technological University (NTU) to immerse around 320 participants and 18 to 20 speakers in the local university eco-system. Social programmes will also be organised for participants to appreciate the sights, sounds and tastes of multi-cultural Singapore.



Singapore Challenge

The Singapore Challenge is a unique feature of the GYSS@one-north. Participants of the GYSS@one-north are encouraged to submit whitepapers to address an identified national challenge. Selected research proposals will be presented to a panel comprising scientific leaders and captains of industry during the Summit. A cash prize and medallion are awarded to the best concept and technological solutions proposed to meet the challenge.

The topic of the 2015 Singapore Challenge is '*Ageing-in-Place*'. Please see the attached document for further details, including the Challenge Statement and descriptor on the Singapore Challenge 2015.

The Selection Criteria for GYSS2015 Participants

The Summit welcomes PhD students and postdoctoral researchers in any field of Science and Technology and who are 35 years old or below (at the time of the Summit).

The participants should also demonstrate the following:

- Have strong passion and interest in research;
- Have good English skills for active discussion and engagement with peers and speakers;
- Have strong academic achievements in his/her area of research and assessed to be within the top 5-10 percent of cohort;
- Have strong support from nominating institution, preferably to have a recommendation letter from academic advisor or supervisor enclosed.

Nominating institutions/organisations are expected to sponsor the participants' passage to Singapore. A local hospitality package will be provided for participants in Singapore.

The nominating institutions shall provide the nominations, in the form of the nominees' CVs (no fixed format but nominees are advised to highlight their research interests, education background, awards and key publications) and institutional support letters (strongly encouraged), via a dedicated GYSS website (address and log-in to be advised later) by **31 August 2014**.

The selected participants will be contacted by the GYSS secretariat to complete the registration in phases in Q4 2014.