



11th HOPE MEETING with Nobel Laureates

Objective

HOPE Meetings are held for excellent graduate students and young researchers specially selected from countries/areas around the Asia-Pacific and Africa region. These meetings give an opportunity for the participants to engage in interdisciplinary discussions with Nobel laureates and other distinguished scientists pioneering the frontiers of knowledge. They also give the participants, who lodge together over the course of the event, a chance to make friends and form collegial networks with peers from the regions.

Date

4-8 March, 2019

Venue

*OIST,
Okinawa, JAPAN*

Organizer

JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE



JSPS

Office of the HOPE Meetings, JSPS

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Fax: +81-3-3234-3700

Program of the HOPE Meeting

The program of the HOPE Meeting will feature the following:

- 1 Lectures by Nobel laureates, distinguished researchers and cultural authorities
- 2 Small group discussions with the lecturers (seminar style)
- 3 Poster session including 1 minute oral presentation by each participant
- 4 Oral presentations by multinational participant teams
- 5 Cultural experience program
- 6 Excursion (research facilities and historical heritages)



Date	AM			PM		
MON, 4 Mar.	Opening Ceremony	Lecture 1	Lecture 2	Group Discussions	Flash Talks	Reception
TUE, 5 Mar.	Lecture 3	Poster Session	Lecture 4	Group Discussions		Preparation for Team Presentations
WED, 6 Mar.	Lecture 5	Poster Session	Group Discussions	Research Facility Visit		Cultural Program
THU, 7 Mar.	Lecture 6	Poster Session	Lecture 7	Group Discussions	Preparation for Team Presentations	
FRI, 8 Mar.	Team Presentations		Closing Ceremony	Site Visits		

Organizing Committee of the HOPE Meetings

■ Chair

Takaaki Kajita <Nobel Laureate in Physics 2015>

Director, Institute for Cosmic Ray Research (ICRR)
Special University Professor, The University of Tokyo

■ Members

Toru Iijima

Nagoya University

Noriko Osumi

Tohoku University

Mitsuhiko Shionoya

The University of Tokyo

Hiroyuki Takeda

The University of Tokyo

Akira Fujimaki

Nagoya University

Minoru Yoshida

RIKEN / The University of Tokyo

Participants

About 100 doctoral students and young researchers from the following countries/areas:

Australia, Bangladesh, China, Egypt, India, Indonesia, Israel, Japan, Kenya, Korea, Malaysia, Mongolia, Myanmar, Nepal, New Zealand, Philippines, Singapore, South Africa, Taiwan, Thailand, Turkey, Vietnam

Selection Criteria

Participants are selected based on the following criteria:

- Be a PhD student or young researcher (within 5 years from his/her PhD as of 1 April 2018) with excellent academic performance
- Have not been selected to participate in the past HOPE Meetings
- Be able to participate in the entire Meeting program
- An excellent record of research and a high interest in the societal influence of scientific knowledge and its utilization
- Strong interest in a wide scope of science and research
- Expectation that the applicant will go on to advance future research in the subject field(s)
- Expectation that by participating in the meeting the applicant will initiate joint research and/or build collegial networks in the future
- A strong desire to participate actively in the meeting exchanges and discussions
- Ample English proficiency to do so

Cost Sharing

- JSPS will cover the cost of holding the meeting, travel costs in Okinawa* and overseas travel insurance**
- Cooperating institutions will cover the international travel expenses*** of their own participants

* Accommodations at the designated hotel in Okinawa (check-in: 3 March, check-out: 8 or 9 March, 2019), meals (from dinner on 3 March to breakfast on 9 March), transportation between Naha Airport and the hotel/meeting venue.

** Designated travel insurance valid during the meeting period (3 to 9 March).

*** International airfare to Okinawa, Japan.

Schedule (tentative)

2018	June	Send out nomination requests to cooperating institutions
	28 September	Nomination deadline (for cooperating institutions)
	Early December	Notify cooperating institutions of the selection results
	Late December	Participants prepare for participation in meeting (1) submit registration forms, photos, abstracts
2019	Mid-January	(2) confirm travel plans, submit slides for Flash Talks
	3 March	Hotel Check-in and Orientation
	4 - 8 March	11th HOPE Meeting
	Mid-March	Participants submit reports
	April -	Send reports to cooperating institutions

Nomination Deadline

28 September, 2018

E-mail hope-meetings@jsps.go.jp

1st HOPE Meeting, 2008

Lecturers:

Leo Esaki (Physics, 1973) **Chair**
 Heinrich Rohrer (Physics, 1986)
 Robert B. Laughlin (Physics, 1998)
 Hideki Shirakawa (Chemistry 2000)
 Alan Heeger (Chemistry, 2000)
 and other distinguished researchers.

Date and Venue:

February 25-28, 2008 (Tsukuba, Japan)

Subjected Fields:

Nanoscience and Nanotechnology

Participants:

81 PhD students and young scientists
 from the **13** countries/areas
 in the Asia-Pacific region:
 Australia, China, India, Indonesia, Japan, Korea,
 Malaysia, New Zealand, Philippines, Singapore,
 Taiwan, Thailand, Vietnam

2nd HOPE Meeting, 2009

Lecturers:

Leo Esaki (Physics, 1973)
 Makoto Kobayashi (Physics, 2008)
 Yuan Tseh Lee (Chemistry, 1986)
 Ryoji Noyori (Chemistry, 2001) **Chair**
 Koichi Tanaka (Chemistry, 2002)
 Peter Agre (Chemistry, 2003)
 Susumu Tonegawa
 (Physiology or Medicine, 1987)
 and other distinguished researchers.

Date and Venue:

September 28-October 1, 2009 (Hakone, Japan)

Subjected Field:

Chemistry (and related fields)

Participants:

100 PhD students and young scientists
 from the **14** countries/areas
 in the Asia-Pacific region:
 Australia, Bangladesh, China, India, Indonesia,
 Japan, Korea, Malaysia, New Zealand,
 Philippines, Singapore, Taiwan, Thailand,
 Vietnam

3rd HOPE Meeting, 2011

Lecturers:

Leo Esaki (Physics, 1973),
 David J. Gross (Physics, 2004),
 Makoto Kobayashi (Physics, 2008) **Chair**
 Toshihide Maskawa (Physics, 2008)
 Richard R. Ernst (Chemistry, 1991)
 Hideki Shirakawa (Chemistry, 2000)
 Ryoji Noyori (Chemistry, 2001)
 Koichi Tanaka (Chemistry, 2002),
 Ada Yonath (Chemistry, 2009)
 and other distinguished researchers.

Date and Venue:

March 7-11, 2011 (Tokyo, Japan)

Subjected Field: Physics (and related fields)

Participants:

99 PhD students and young scientists
 from the **14** countries/areas
 in the Asia-Pacific region:
 Bangladesh, China, India, Indonesia, Israel,
 Japan, Korea, Malaysia, New Zealand,
 Philippines, Singapore, Taiwan, Thailand,
 Vietnam

4th HOPE Meeting, 2012

Lecturers:

Leo Esaki (Physics, 1973)
 Makoto Kobayashi (Physics, 2008) **Chair**
 John Ernest Walker (Chemistry, 1997)
 Ryoji Noyori (Chemistry, 2001)
 Roderick Mackinnon (Chemistry, 2003)
 Akira Suzuki (Chemistry, 2010)
 Ei-ichi Negishi (Chemistry, 2010)
 Dan Shechtman (Chemistry, 2011),
 and other distinguished researchers.

Date and Venue:

March 7-11, 2012 (Tsukuba, Japan)

Theme: Chemistry for Creating the Future

Participants:

100 PhD students and young scientists
 from the **17** countries/areas
 in the Asia-Pacific and Africa region:
 Australia, Bangladesh, China, Egypt, India,
 Indonesia, Israel, Japan, Korea, Malaysia,
 Mongolia, New Zealand, Philippines, Singapore,
 Taiwan, Thailand, Vietnam

5th HOPE Meeting, 2013

Lecturers:

Leo Esaki (Physics, 1973)
 Makoto Kobayashi (Physics, 2008) **Chair**
 Hideki Shirakawa (Chemistry, 2000)
 Ryoji Noyori (Chemistry, 2001)
 Aharon Jehuda Ciechanover (Chemistry, 2004)
 Susumu Tonegawa
 (Physiology or Medicine, 1987)
 Mario Renato Capecchi
 (Physiology or Medicine, 2007)
 and other distinguished researchers.

Date and Venue:

February 26-March 2, 2013 (Tokyo, Japan)

Subjected Field:

Life Sciences (and related fields)

Participants:

98 PhD students and young scientists
 from the **16** countries/areas
 in the Asia-Pacific and Africa region:
 Australia, Bangladesh, China, Egypt, India,
 Indonesia, Israel, Japan, Korea, Malaysia, New
 Zealand, Philippines, Singapore, South Africa,
 Taiwan, Thailand

6th HOPE Meeting, 2014

Lecturers:

Makoto Kobayashi (Physics, 2008) **Chair**
 Braian P. Schmidt (Physics, 2011)
 Hideki Shirakawa (Chemistry, 2000)
 Martin Chalfie (Chemistry, 2008)
 Ei-ichi Negishi (Chemistry, 2010)
 Richard J. Roberts
 (Physiology or Medicine, 1993)
 and other distinguished researchers.

Date and Venue:

March 11-15, 2014 (Tokyo, Japan)

Subjected Field:

Physics, Chemistry,
 Physiology/Medicine (and related fields)

Participants:

106 PhD students and young scientists
 from the **19** countries/areas
 in the Asia-Pacific and Africa region:
 Australia, Bangladesh, China, Egypt, India,
 Indonesia, Israel, Japan, Kenya, Korea,
 Malaysia, Mongolia, New Zealand, Philippines,
 Singapore, South Africa, Taiwan, Thailand,
 Vietnam

7th HOPE Meeting, 2015

Lecturers:

Johannes Georg Bednorz (Physics, 1987)
 Douglas Dean Osheroff (Physics, 1996)
 Makoto Kobayashi (Physics, 2008) **Chair**
 Hideki Shirakawa (Chemistry, 2000)
 Ei-ichi Negishi (Chemistry, 2010)
 Dan Shechtman (Chemistry, 2011)
 and other distinguished researchers.

Date and Venue:

March 1-5, 2015 (Tokyo, Japan)

Subjected Field:

Physics, Chemistry,
 Physiology/Medicine (and related fields)

Participants:

97 PhD students and young scientists
 from the **17** countries/areas
 in the Asia-Pacific and Africa region:
 Australia, Bangladesh, China, Egypt, India,
 Indonesia, Israel, Japan, Korea, Malaysia,
 New Zealand, Philippines, Singapore, Taiwan,
 Thailand, Vietnam, Turkey

8th HOPE Meeting, 2016

Lecturers:

Makoto Kobayashi (Physics, 2008) **Chair**
 Serge Haroche (Physics, 2012)
 Shuji Nakamura (Physics, 2014)
 Jean-Marie Lehn (Chemistry, 1987)
 Ada Yonath (Chemistry, 2009)
 Barry J. Marshall
 (Physiology or Medicine, 2005)
 and other distinguished researchers.

Date and Venue:

March 7-11, 2016 (Tsukuba, Japan)

Subjected Field: Physics, Chemistry,
 Physiology/Medicine (and related fields)

Participants:

107 PhD students and young scientists
 from the **18** countries/areas
 in the Asia-Pacific and Africa region:
 Australia, Bangladesh, China, Egypt, India,
 Indonesia, Israel, Japan, Korea, Malaysia,
 New Zealand, Philippines, Singapore,
 South Africa, Taiwan, Thailand, Vietnam,
 Myanmar

9th HOPE Meeting, 2017

Lecturers:

Klaus von Klitzing (Physics 1985)
 Makoto Kobayashi (Physics, 2008) **Chair**
 Takaaki Kajita (Physics, 2015)
 Ryoji Noyori (Chemistry, 2001)
 Jean-Pierre Sauvage (Chemistry, 2016)
 Edvard I. Moser (Physiology or Medicine, 2014)
 and other distinguished researchers.

Date and Venue:

February 26-March 2, 2017 (Tokyo, Japan)

Subjected Field: Physics, Chemistry,
 Physiology/Medicine (and related fields)

Participants:

110 PhD students and young scientists
 from the **22** countries/areas
 in the Asia-Pacific and Africa region:
 Australia, Bangladesh, China, Egypt, India,
 Indonesia, Israel, Japan, Kenya, Korea,
 Malaysia, Mongolia, Myanmar, Nepal,
 New Zealand, Philippines, Singapore,
 South Africa, Taiwan, Thailand, Turkey,
 Vietnam

10th HOPE Meeting, 2018

Lecturers:

J. Georg Bednorz (Physics, 1987)
 Makoto Kobayashi (Physics, 2008) **Chair**
 Takaaki Kajita (Physics, 2015)
 K. Barry Sharpless (Chemistry, 2001)
 Ada Yonath (Chemistry, 2009)
 J. Fraser Stoddart (Chemistry, 2016)
 Tim Hunt (Physiology or Medicine, 2001)
 and other distinguished researchers.

Date and Venue:

March 10-15, 2018 (Yokohama, Japan)

Subjected Field: Physics, Chemistry,
 Physiology/Medicine (and related fields)

Participants:

108 PhD students and young scientists
 from the **21** countries/areas
 in the Asia-Pacific and Africa region:
 Australia, Bangladesh, China, Egypt, India,
 Indonesia, Israel, Japan, Kenya, Korea,
 Malaysia, Mongolia, Myanmar, Nepal,
 New Zealand, Philippines, Singapore,
 South Africa, Taiwan, Thailand, Turkey



JSPS/RC-3/18001

4 June, 2018

Her Excellency Ms. Yaffa Ben-Ari
Ambassador,
Embassy of Israel, Tokyo
3, Ni-bancho, Chiyoda-ku
Tokyo, 102-0084

Dear Her Excellency Ms. Yaffa Ben-Ari,

Thank you very much for your support for the Japan Society for the Promotion of Science.

I am writing to ask for your cooperation in nominating candidates for the 11th HOPE Meeting with Nobel Laureates to be held in Okinawa, located in the south of Japan, from 4 through 8 March, 2019. Its organizing committee is chaired by Professor Takaaki Kajita, 2015 Nobel laureate in Physics.

We would like to request you to nominate up to 6 excellent PhD students and/or young researchers who specialize in Physics, Chemistry, Physiology/Medicine, or other related fields. We would appreciate it if you could do your best to balance the number of candidates in each field. We believe that a balanced mixture of participants will enhance the interdisciplinary exchange and thus bring more vigor and fervor to the meeting.

JSPS will cover the costs of the nominees' accommodation, meals, transportation in Okinawa and overseas travel insurance during the term of the meeting. Your institution is requested to cover each nominee's airfare to Okinawa, Japan.

We look forward to receiving your list of nominees along with the application forms by 29 September, 2018.

Thank you again for your cooperation.

Sincerely yours,

Susumu Satomi
President
Japan Society for the Promotion of Science (JSPS)

Application Form

for the 11th HOPE Meeting with Nobel Laureates

- For PhD students and young researchers in Countries/Areas other than Japan -

1. Applicant

1) Name (First/Middle/Family)			2) Date of Birth(yyyy/mm/dd)			
First	Middle	Family	1	9		
3) Gender			4) Nationality or Area of Birth			
1. <input type="checkbox"/> Male 2. <input type="checkbox"/> Female						

2. Affiliation, Universities Attended and Current Research Topic

5) Institution					
6) School/Grade	Program/Department/School				
	Present Position, Grade				
7) Universities Attended	Completion Date (Month, Year)	University/Institution	Program/Department/School	Degree	
8) Research Field	Area				
	Discipline				
	Research Field				
9) Current Research Topic					

3. Contact Information

11) Home Address	Address:				
	Tel:	Fax:			
	Email:				
11) Office Address	Address:				
	Tel:	Fax:			
	Email:				
12) Contact Point	1. <input type="checkbox"/> Home Address 2. <input type="checkbox"/> Office Address				

4. Aim, Objectives, and Motivation for participating in the HOPE Meeting (in one page)

[Empty rectangular box for writing the response]

5. Abstract for Poster Presentation (Do not alter and expand this form)

Title of Your Poster	
Abstract	

6. Research Activities Conducted in English

Experience in overseas education/research and participation in international conferences

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7. Past scholarly Achievements

The applicant should fill in the selected research papers/articles, books, industrial property rights, oral/poster presentations at academic conferences and awards. Forthcoming research papers/articles in academic journals may be included, only if they have been accepted for publication.

8. Signature of Applicant

Date

Signature of Applicant

*Be sure NOT to alter the size or format (except for the size and font of characters).

Name of Applicant: _____

Instruction on the Application For the 11th HOPE Meeting with Nobel Laureates

- For PhD students and young researchers in Countries/Areas other than Japan -

I. General Instructions

- 1) Please submit Application Form in A4 format in 11 point or larger letters.
- 2) Altering the size or format of the form is not allowed. If the content of application contains contradictions or omissions, it may also be treated as flawed. Note that such flaws may affect the selection results.
- 3) Please fill out the form in English.

II. Instructions for Items on the Application Form

1. Applicant

Item	Instruction
1) Name	Please write the first letter in capitals and the other letters in lower case. Ex: Taro Gakushin
2) Date of Birth	Fill in your birthday yyyy:Year mm:Month dd:Date
3) Gender	Check the box of relevant item number
4) Nationality/Area of Birth	Fill in your nationality or area of birth

2. Affiliation, Universities Attended and Current Research Topic

Item	Instruction
5) Institution	A. Fill in the name of your affiliated institution (university or research institute) B. School, Faculty, Department, Program, etc. C. Present position or Grade
6) School/Grade	
7) Universities Attended	Fill in the completion dates, name of universities or institutions, programs, departments, and schools which you attended, and degrees you received. (You should not include a degree you have not yet received.)
8) Research Field	Fill in your Research Field
9) Current Research Topic	Fill in your current research topic

3. Contact Information

Item	Instruction
11) Home Address 11) Office Address	- Please write down address, phone and fax numbers, and E-mail address of both your home and office. - If you should change any of them after application is submitted, please inform cooperating institution and JSPS as soon as possible.
12) Contact Point	Please choose the location to which the notification of selection result should be sent, and check the box of the relevant item number.

4. Aim, Objectives, and Motivation for Participating in the HOPE Meeting

Please write down your aim, objectives and motivation for participating this meeting within one page.

5. Abstract for Poster Presentation in the HOPE Meeting.

Please write the title and an abstract of your poster presentation to be presented at the HOPE meeting. Figures may be used if the abstract does not exceed the prescribed size of the box.

6. Research Activities Conducted in English

One example is as follows. Please arrange as you think proper.

1. Experience in overseas education
April 2013 – March 2017, XXX University, England
2. Experience in international conferences
(Oral Presentation, Refereed)
 - 1) Gakushin T., Hanzomon H.,....., "Title of Presentation," Name of Conference, BB11-1 (Presentation ID or Session ID), London, UK (June 2018)

*Results of major language tests

- Please fill in the name of tests, grades/scores, dates taken.
- If you have records for more than 3 types of tests, please choose the best 3 results.
- Even if beyond the expiration date (e.g. TOEFL), you may write the test results.
- Please attach copies of the certificate of grades/scores.

7. Past Scholarly Achievements

One example is as follows. Please arrange as you think appropriate.

1. Published Papers on Academic Journals

(Refereed Journals)

- 1) Gakushin, T., and Hanzomon, H., "Title of the Paper," *Title of the Journal*, Name of Publisher, Vol. XX, pp57-62, 2017
- 2) Kojimachi, J., Gakushin, T.,....., "Title of Paper," *Title of the Journal*, Name of Publisher, Vol. XX, pp33-39, 2018 (accepted)

For the papers which have been accepted for publication but not yet published, please attach the copies of their acceptance letters. Submission of those research papers' files is not required.

2. Articles on Academic Journals or Magazines

- 1) Gakushin, T.,, "Title of the Article," *Name of Journal or Magazine*, Name of Publisher, Vol. XX, pp40-45, 2018

3. Presentations at the Academic Conferences and Symposiums

(Oral Presentation, No Referee)

- 1) Gakushin, T.,, "Title of the Presentation," Name of the Conference, No. XXX, Place, March 2017.

4. Patents and Awards

(Published)

- 1) Patent Number, "Title," Kojimachi, J., Gakushin, T., April 2018.

8. Signature of Applicant

Please handwrite in the date and your signature.

9. Name of Applicant

Please type or print your name in the box at the bottom of each page.