

## Garda Depan Ilmu Pengetahuan Kavli

**AIPI** | **INDONESIAN ACADEMY OF SCIENCES**  
AKADEMI ILMU PENGETAHUAN INDONESIA



**NATIONAL ACADEMY OF SCIENCES**



### THE 5th INDONESIA-AMERICAN KAVLI FRONTIERS OF SCIENCE CALL FOR EXPRESSION OF INTEREST

The Indonesian Academy of Sciences (AIPI) and the United State of America National Academy of Science (US-NAS) jointly organize the 5th Indonesian-American Kavli Frontiers of Science Symposium, to be held in July 26-August 1, 2015 in Makassar, South Sulawesi, Indonesia.

#### Background

The Kavli-Frontiers of Science Series was inaugurated in Irvine, California on March 2-4, 1989, through a symposium on Frontiers of Science, organized by a committee of young scholars with the support of the National Science Foundation, the Alfred P. Sloan Foundation, and the National Academy of Sciences. The enduring success of Kavli-Frontiers of Science symposia has inspired the creation of bilateral symposia organized jointly by the USA National Academy of Science and national academies from other countries such as the United Kingdom, Japan, China, India and Indonesia (since 2011).

The Frontiers of Science Symposia have become a fundamental instrument in bringing together the best young scientists, "the next generation of leaders" in the field of natural sciences and engineering, in the USA and around the world. The Indonesian-American Kavli Frontiers Symposium added social science topics to the program. During the symposia, the young scientists discuss exciting advances and opportunities in their fields in a format that encourages informal collective as well as one-on-one discussions among participants. Speakers are urged to focus their talks on current cutting-edge research in their disciplines and present their ideas to colleagues outside their fields. These symposia are attended by approximately 80 to 100 scholars including up to a dozen senior colleagues and several science writers. Attendees for the Frontiers of Science symposia are selected from a pool of young researchers (PhD under 45 years of age) who have made significant contribution to science.

The previous Indonesian-American Kavli Frontiers of Science symposia were held in Bogor (2011), Solo (2012), Bali (2013), and Medan (2014) respectively. At each Kavli symposium, a total of 70 participants (40 scientists from Indonesia and 30 from the United States) were selected by the Organizing Committee for the meeting; 18 participants gave oral presentations and 52 gave poster presentations, reporting on current research within their disciplines to academically trained and scientifically diverse audiences. They highlighted major research challenges, methodologies, and limitations to progress at the frontiers of their respective fields. All attendees participated actively in general discussions, during which they learned from and form collaborative relationships with other young scientists.

#### Call for Expression of Interest

The Indonesian Academy of Sciences (AIPI) has formed an Indonesian Organizing Committee of young scientists, co-chaired by Dr. Roby Muhamad (University of Indonesia) with Dr. Asmi Citra Malina (Hasanuddin University), Dr. Lisman Suryanegara (The Indonesian Institute of Sciences), Dr. Iqbal Elyazar (The Eijkman Institute for Molecular Biology), Dr. Rajesri Govindaraju (Institut Teknologi Bandung) and Dr. Jajah Fachroh (Gadjahmada University). The Indonesian committee works together with the USA organizing committee, co-chaired by Dr. Jeff Sakamoto (Michigan State University), Dr. Cheryl Seals (Auburn University), Dr. Monica Medina (National Oceanic and Atmospheric, US Dept. of Commerce), Dr. Christopher Haiman (University of Southern California), and Dr. Nathan Gianneschi (University of California San Diego) to prepare the 5th Indonesian-American Kavli Frontiers of Science Symposium. The symposium will be held in Makassar from July 26th until August 1st 2015 and covers the following six topics:

1. Human Creativity
2. Health Informatics—biobank
3. Infectious Disease—biocontrol
4. Marine Science—microbiology
5. Nanomaterial from nature
6. Astrophysics

The Indonesian Organizing Committee invites expressions of interest from young Indonesian scientists to participate in the 5th Indonesian-American Kavli Frontiers of Science Symposium.

**Applicants should:**

1. Have a doctoral degree and actively conduct/participate in research as shown by their peer-reviewed international and national publications.
2. No more than 45 years old at the time of application.
3. Submit a brief CV (no more than 2 pages) highlighting their publication list.
4. Include a brief statement (no more than 500 words) on what they would like to present at the symposium, if selected.

**Submission**

Application should be written in English and sent to [kavli@aiipi.or.id](mailto:kavli@aiipi.or.id) no later than **May 8th 2015**. Registration is now closed.

**Why You Should Apply**

Selected participants will be sponsored (travel and accommodation) to attend the symposium. Providing the opportunities for participants to meet and discuss their work with 30 American and 40 Indonesian young scientists, this meeting helps to create opportunities for and promote the development of future collaborations in cutting edge research projects.

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**Akademi Ilmu Pengetahuan Indonesia** - *Mendorong Budaya Ilmiah Unggul di Indonesia.*

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