VYA Monthly Bulletin

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Members and friends are encouraged to send updates for publication in VYA monthly newsletter by the 20th of each month
Vietnam Young Academy, http://vietnamyoungacademy.org, Email: info@vietnamyoungacademy.org
VYA Bulletin prepared by Dr Tran Quang Huy, Dr Hang T. Ta, Prof. Nguyen Thi Kim Thanh, and Dr Le Hoang Sinh
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1 Highlight

VYA’s conference on Nanomaterials for Healthcare (NMH) and the 4th Worldwide Meeting of Young Academies (WWMYA) will be held at Duy Tan University, Da Nang, Viet Nam during 29th July and 2nd August 2019.

Abstract submission deadline: 30th April 2019

We are delighted and very grateful to have support from Vietnam Embassy in London, Vietnamese Ministry of Foreign Affair and Ministry of Education and Training for this very important meeting.

WWMYAs aim to enhance and facilitate ideas exchange on the establishment and development of National Young Academies (NYAs) and to strengthen networking and collaboration between NYAs on a global level. The meeting is organized in conjunction with a 2 days scientific meeting on Nanomaterials for Healthcare. Cancers and infectious diseases are the two most deadly diseases in Vietnam, and nanotechnology is one of its research focuses. This scientific conference will bring together practitioners, researchers and educators from around the world and will cover synthesis, characterization and medical applications of nanomaterials for cancer and infectious diseases. Presentations and discussions at the conference will be open to collaboration in multidisciplinary projects, working papers, and funding applications. Therefore, we would highly appreciate all your participation and support to make the conference a success.

Scope and Interests: The topics of interest for this session include, but are not limited to the following:

- Nanomaterials for Drug Delivery
- Nanomaterials for Sensors and Imaging
- Bioactive Materials
- Bio-nano interactions and Nanotoxicology
- Microfluidic and Bioengineered Models
- Clinical Challenges
- Industry Engagement
- Social Aspects and Regulator
Confirmed plenary speaker for NHM:
- Prof. Mostafa El Sayed, a member of USA National Academy of Science, School of Chemistry and Biochemistry, Georgia Institute of Technology, USA.

Confirmed invited speakers for NHM:
- Prof. Jesus de la Fuentes, Institute of Materials Science of Aragón, Spain. He is a member of Global Young Academy (GYA), vice president of Spanish Young Academy: New Biotechnological Challenges for Magnetic Hyperthermia
- Prof. Francesco Stellacci, Supramolecular Nanomaterials and Interfaces Laboratory, École polytechnique fédérale de Lausanne EPFL, Switzerland. He is a member of GYA.
- Prof. Jit Kang Lim, School of Chemical Engineering, Universiti Sains Malaysia. He is a member of Young Scientist Network of Academy Sciences Malaysia: Artificial Magnetotaxis of Microbot
- Prof. Shinya Maenosono, School of Materials Science, Japan Advanced Institute of Science and Technology: Imaging and Isolation of Autophagosomes using Magnetic-Plasmonic Hybrid Nanoparticles
- Prof. Dr. Nam Trung Nguyen, Director of Queensland Micro- and Nanotechnology Centre, Nathan campus, Griffith University, Australia.
- Prof. Sylvie Begin, Director at ECPM (European Engineering School in Chemistry, Polymers and Materials) University of Strasbourg: Engineering of magnetic-based nanoplatforms for theranostic
- Prof. Jochen Feldman, Chair of Photonics and Optoelectronics Department of Physics and CeNS Ludwig-Maximilians-University Munich: Optical and Thermophoretic Forces on Plasmonic Particles
- Dr Dominique Bégin, University of Strasbourg. Engineering of mesoporous silica coated carbon-based materials for drug release applications
Assoc. Prof. Hiroshi Yabu, Advanced Institute for Materials Research, Tohoku University, Japan: Nanostructured Polymer-Metal Composite Particles

Prof. Galo Soler Illia, member of Argentinian National Academy of Exact, Physical and Natural Sciences (ANCEFN), Instituto de Nanosistemas, Universidad Nacional de San Martin, Argentina.

Prof. Yanglong Hou, Department of Materials Science and Engineering, College of Engineering, Peking University, China.

Dr. Maya Thanou, Senior Lecturer, Institute of Pharmaceutical Science, King’s College London, UK: Nanoparticles as functional tools in image guided Focused Ultrasound drug delivery.

Dr. Ye Enyi, Research Scientist II, Institute of Materials Research and Engineering (IMRE), A*STAR, Singapore: Functional Anisotropic Metallic Nanomaterials for Healthcare Applications

Prof. Rachela Popovtzer, Faculty of Engineering & The Institute of Nanotechnology and Advanced Materials, Bar-Ilan University: Nanoparticles for In-vivo Cell Tracking Imaging, Detection and Stratified Medicine

Prof. Lingdong Sun, State Key Laboratory of Rare Earth Materials Chemistry and Applications, Peking University

Dr. Lingyun Zhao, Associate Professor, School of Material Science and Engineering, Tsinghua University

Dr. Li Zibiao, Deputy Dept Head, Soft Materials, IMRE, A*STAR, Singapore: Biodegradable Soft Nanomaterials for Healthcare Applications

Dr. Le Trong Lu, Vice Director of Institute for Tropical Technology, Vietnam Academy of Science and Technology.
Other presentations

- Long Binh Vong, Yukio Nagasaki. Antioxidant polymeric nanomedicines modulate the ROS-associated disorders
- An Phan. Direct Evidence of the Surfactant Sub-monolayer Adsorption Layer at the Air/Water Interface of Ultrafine Gas Bubbles Provided by Laser Scattering Measurements
- Mahesh Kumar. Heavy metal ion water sensors based on AlGaN/GaN High Electron Mobility Transistor
- Nguyễn Tấn Khôi. Probing the Total Air/Aqueous Interface Area of ultrafine Bubbles by Employing Gibbs Adsorption Isotherm
- Tonnio Agustiono Kurniawan. Removal of acetaminophen from synthetic wastewater using multi-walled carbon nanotubes (MWCNT)
- Metej Sebek, et al. Role of halides in the seedless growth of gold anisotropic nanoparticles
- Nguyễn Thi Kim Thanh, et al. Role of halides in the seedless growth of gold anisotropic nanoparticles

Navy Grant application to support the meeting:

- VYA is applying for Navy grant to support the Da Nang meetings (WWWMYA and NMH). The application is to give support to Vietnamese people to go to the conference, given that they will join VYA as members right after the conference.
- As part of the application process, Dr Ken Ho, Science Director, Office of Naval Research Global, will visit University of Science, VNUHCM. The official meeting with the University has been set up at 2 PM on April 3rd, 2019.

Tentative/draft program:

- Naval Research Global around 20 minutes
- Introduction of the University of Science
- Discussion

The periods of the official meeting will be around 45 -60 minutes.

**Participants of the meeting:**
* Office of Naval Research Global
  - Dr. Ken K. Ho
  - Dr. Jeffrey Simmen

* University of Science, VNUHCM
  - Assoc. Prof. Tran Minh Triet, Vice President
  - Assoc. Prof. Tran Van Man, Head of Department of Science and Technology
  - Dr. Nguyen Hoang Chuong, Deputy Head of Department of Science and Technology
  - Assoc. Prof. Nguyen Duc Hoang
  - The representative of faculties/schools.

## 2 VYA community news

- The third preparatory meeting of Vietnam Intellectual Society in the UK (VIS-UK) was taken place in London on the 9th of March 2019. One the missions of VIS-UK is to advise for Vietnamese government.
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Dr Tran Quang Huy, GYA member, former Chair of VYA is presenting VYA at GYA annual meeting in Halle, Germany in April-May 2019.

3 VYA new member

We are delighted to announce that Dr To Thanh Loan has just joined VYA and is a member of Operational Committee. Loan is working as a lecturer at International Training Institute for Materials Science (ITIMS), Hanoi University of Science and Technology. Her research interests include structure of the materials and the influence of structural effects on properties. She has experience using modern techniques including synchrotron spectroscopic methods and/or neutron diffraction to investigate materials structure such as crystal structure, local structure, microstructure and magnetic structure.

4 Call for new members

We are inviting high quality applicants are invited for joining VYA. There are four application deadlines each year, which are on January 31st, April 30th, July 31st, and October 31st.

The deadline for the next application round is on April 30, 2019. The application form and guideline are available on our VYA website.

5 VYA community publications


6 Conference news

6.1 *Knowledge Frontiers Forum (VGLF), 11-12 November 2019, Brisbane, Queensland, Australia*

The British Academy and the Australian Academy of the Humanities are inviting applications for early career researchers in the humanities and social sciences to attend a research collaboration forum on the broad theme of ‘the future’. The forum aims to incentivise and establish international engagement and collaboration between early career researchers from a broad range of disciplines within the humanities and social sciences, encouraging the exchange of ideas across both disciplinary and national boundaries.

In addition to funding a number of collaborative proposals, the forum will aim to provide opportunities for a range of other outputs. Participants, for example, could be invited to contribute to a publication focused on the forum theme, either through individual papers or in partnership with other forum participants, record audio outputs or write posts that will be compiled into a series dedicated to the forum.

Applicants should provide:

• A CV which should not exceed two pages;

• A one-page summary of their initial thoughts on the theme of the future which could include discussion on one or more of the three outlined sessions above;

• A one-page justification of why they are interested in the theme of the future based on their research and/or teaching areas; what disciplinary and interdisciplinary skills and/or experience they would contribute to the forum; and how the forum could help to develop their own research and career. Applicants must submit these documents in Word format individually, and combined as a PDF.
Applications should be sent to international@thebritishacademy.ac.uk no later than 5pm GMT on Wednesday 10 April 2019. They will seek to notify successful applicants by early May 2019.


7 News on Global Young Academy

6.1 L’Oréal- UNESCO For Women In Science – Sub-Saharan Africa Programme

"2019 Call for Applications February, 25th – April, 28th The Fondation L’Oréal launches the 10th edition of the L’Oréal-UNESCO For Women in Science Sub-Saharan Africa programme, to support young women scientists. In 2019, 20 grants will be offered for the Sub-Saharan Africa region: – PhD: €10 000 – Post: €15 000

Deadline: 28 April 2019


6.2 Steering Committee of the World Science Forum (WSF)

In February, the GYA was formally invited to join the Steering Committee of the World Science Forum (WSF). To ensure continuity, it was decided that one of the GYA’s Co-Chairs would be the representative each year, with this year’s honour going to Co-Chair Connie Nshemereirwe (Uganda).

Deadline: 10 April 2019

More information: https://worldscienceforum.org/

6.3 CALL for young scientist panelists for WSF 2019

A call for young scientist panelists is announced to take part in this year’s World Science Forum (https://worldscienceforum.org/), taking place in November in Budapest, Hungary.
One young scientist or researcher for each of five plenary sessions will be selected by a committee of (young) science academies led by the GYA.

Participants do not have to be GYA members. Please consider applying by 22 April 2019, and/or please distribute widely among your membership and networks.

More information: https://worldscienceforum.org/

8 Funding and award opportunities

7.1. MSCA EF Master Class 2019 @ POLIMI

Politecnico di Milano is launching the second edition of the Master Class (MSCA EF MASTER CLASS 2019 @ POLIMI) for young and talented researchers to the MSCA - European Individual Fellowship call 2019.

Candidate fellows and supervisors will be guided throughout the whole application process with deadline on 11th September 2019. Only those who get funding through the European Commission’s MSCA IF program will be admitted to Politecnico di Milano. Politecnico di Milano will organize and cover directly the travel and accommodations expenses (for a maximum of 2.500 euro) for the selected candidates.

Application deadline: April 17th 2019.

Please contact mscamasterclass@polimi.it for any question on the funding scheme and the MSCA program.

All call details at the following address: https://www.polimi.it/en/faculty-and-staff/calls-and-competitions/callfor-msca-ef-master-class-2019-polimi/

7.2 MSCA Seal of Excellence @ POLIMI

The best 5 Marie Sklodowska Curie European Fellows hosted by Politecnico di Milano, not funded by the EC but awarded with the Seal of Excellence by the EC in the H2020-MSCA-IF-2019 (European Fellowship), will be offered a postdoc position for two years
with 40.000€/year (gross amount) as salary and 20.000€ for startup fund for research activities, training and networking

**7.3 EURAXESS Prize 2019 for the Winner of Falling Walls Lab Vietnam**

Falling Walls Lab is a unique competition that provides researchers and entrepreneurs with a platform to present their innovative ideas, research projects and social initiatives. The challenge is to present this in just 3 minutes in English!

All disciplines are welcome: from agriculture, medicine, economics, engineering to the humanities.

The winner of the Lab Vietnam gets to compete at the global Falling Walls Lab Finale in Berlin on 8 November 2019 with Lab winners from across the world, and also gets a ticket to the prestigious Falling Walls Conference on 9 November where leaders from science, industry and policy-making meet. Travel costs and accommodation in Berlin will be sponsored. And the winner of Falling Walls Lab Vietnam will also be awarded the EURAXESS Prize 2019 which offers the winner a unique opportunity to visit a research lab or university anywhere in the European Union.

The Falling Walls Lab Vietnam will take place:

- **Time:** 10:00 am on 11 May 2019
- **Location:** Vietnamese-German Centre at Hanoi University of Science and Technology

Please apply online through the website: [http://falling-walls.com/lab/apply](http://falling-walls.com/lab/apply).

Application deadline: 14 April 2019.