



# VYA Monthly Bulletin

## INSIDE THIS ISSUE:

1	Highlight	2
2	VYA news	4
3	VYA community's news	4
4	Call for new members	5
5	Some impact of VYA	5
	<i>5.1. Used equipment available</i>	5
	<i>5.2. Promote collaboration between Vietnamese and overseas institutions</i>	6
6	VYA community's publications	6
7	News on Global Young Academy	6

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Vietnam Young Academy, <http://vietnamyoungacademy.org>, Email: [info@vietnamyoungacademy.org](mailto:info@vietnamyoungacademy.org)  
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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.

*We are delighted and extremely grateful to receive financial support from Vietnamese Ministry of Foreign Affairs for overseas Vietnamese to deliver talks at the WWMYA and NMH.*

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 Regulatory

The deadline for **abstract submission** is extended to **February 28, 2019**. The link to the conference website can be found [here](#).



## Confirmed plenary speaker for NHM:

- Prof *Mostafa El Sayed*, School of Chemistry and Biochemistry, Georgia Institute of Technology, USA. He is a member of the USA [National Academy of Sciences](#)

## Confirmed invited speakers for NHM:

- Prof *Jesus de la Fuentes*, Institute of Materials Science of Aragón and CIBER-BBN, Spain. He is a member of Global Young Academy (GYA)
- Prof *Francesco Stellaci*, 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.
- Prof *Shinya Maenosono*, School of Materials Science, Japan Advanced Institute of Science and Technology.
- 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.
- Prof. *Jochen Feldman*, Chair of Photonics and Optoelectronics Department of Physics and CeNS Ludwig-Maximilians-University Munich.
- Assoc. Prof. *Hiroshi Yabu*, Advanced Institute for Materials Research, Tohoku University, Japan.
- 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, Pekin University, China.
- Dr *Maya Thanou*, Senior Lecturer, Institute of Pharmaceutical Science, King's College London, UK.

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- Dr. [Ye Enyi](#), Research Scientist II, Institute of Materials Research and Engineering (IMRE), A\*STAR, Singapore
- Prof. [Rachela Popovtzer](#), Faculty of Engineering & The Institute of Nanotechnology and Advanced Materials, Bar-Ilan University
- 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.
- Dr Le Trong Lu, Vice Director of Institute for Tropical Technology, Vietnam Academy of Science and Technology.

## 2 VYA news

On February 10, 2019, VYA holds our Annual General Meeting. Members voted on the constitution change to accommodate co-chairs. The updated constitution is available on [VYA website](#). In the AGM meeting, members have voted for co-chairs and members of the Operations Committee.

The co-chairs of VYA in 2019 are: Hang Ta and Hanh Lam

The OC members of VYA in 2019 are: Nguyen D. Hoang, Bui Thanh Duyen, Le Hoang Sinh, Nguyen Quang Hung.

## 3 VYA community's news

Prof Nguyen T. K. Thanh, FRSC FIMMM FInstP FRSB was elected as Fellow of Royal Society of Biology. More information can be found on the website: [https://en.wikipedia.org/wiki/Fellow\\_of\\_the\\_Royal\\_Society\\_of\\_Biology](https://en.wikipedia.org/wiki/Fellow_of_the_Royal_Society_of_Biology).

Prof Nguyen TK Thanh gave invited talk at i) Department of Materials Science & Engineering, College of Engineering, Chemistry, Peking University and Institute of Chemistry, Chinese Academy of Sciences, Beijing; ii) Hanoi International Symposium on Advanced Materials and Devices (HISAMD2019) Hanoi, Vietnam and invited talk at 5th International Workshop on Novel Magnetism and Multifunctional Materials,

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Hanoi.



## 4 Call for new members

We are inviting high quality applicants 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](http://vietnamyoungacademy.org).

## 5 Some impact of VYA

### *5.1. Used equipment available*

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Through VYA community, these used equipments have been given away for free to Vietnam National University in Ho Chi Minh City

- Beckman J2-M1 high-speed centrifuge
- Microflow Laminar flowhood workstation
- Heraeus CO2 incubator

If you need some used equipments and have fund to pay for the delivery, please contact Prof Nguyen TK Thanh ([ntk.thanh@ucl.ac.uk](mailto:ntk.thanh@ucl.ac.uk)), she will put you in the list, when any good items come available, she will email you.

## 5.2. Promote collaboration between Vietnamese and overseas institutions

Through the Nanomaterials for Healthcare meeting organised by VYA, student/Staff exchange between Department of Chemical and Geological Sciences University of Cagliari, Italy and Institute for Tropical Technology (ITT) under ERASMUS MOSGLOB is being set up.

## 6 VYA community's publications

1. Yang, J., Dong, Y., Wang, J., Jiang, J., Zhu, Y., Wu, Y., Wan, F., Zhang, P., Chen, T., Zhou, W., Wu, P., **Thanh, N. T. K.**, Tran, N. Q., Chen, J., and Chen, S. (2019) Hydroxypropylcellulose coating to improve graft-to-bone healing for anterior cruciate ligament reconstruction. *ACS Biomaterials Science and Engineering*. In Press.
2. Hobson, N.J., Weng, X., Siow, B., Veiga, C., Ashford, M., **Thanh, N.T.K.**, Schatzlein, A.G., Uchegbu, I.F. (2019) Clustering Superparamagnetic Iron Oxide Nanoparticles Produces Organ Targeted High Contrast Magnetic Resonance Images. *Nanomedicine*. In Press. **Gold Open Access**
3. Famiani, S., LaGrow A. P., Besenhard, M. O., Maenosono, S., **Thanh, N.T.K.\*** (2018) Synthesis of fine tuning highly magnetic Fe@Fe<sub>x</sub>O<sub>y</sub> nanoparticles through continuous injection and a study of magnetic hyperthermia. *Chemistry of Materials*. **30**: 8897-8904. [Gold Open Access](#)

## 7 News on Global Young Academy

News on Global Young Academy is available at [GYA Quarterly Bulletin III](#) or <https://globalyoungacademy.net/news/>