

Nanomaterials for Healthcare
Maiden Conference of Vietnam Young Academy &
4th Worldwide Meeting of Young Academies 2019

28 July 2019 –All Delegates arrive

29 July 2019 – Day 1 –VYA Conference

Theme: Nanomaterials and Healthcare (NHM) meeting

Session 1

Time	Activity	Responding people
08:00-09:00	Arrival and Registration	
09:00-09:15	Welcome	Prof Nguyen T. K. Thanh, Founder of VYA.
09:15-09:25	Opening Remarks on behalf of VYA	Dr Hanh Lam, Dr Hang Ta Co-Chairs of VYA.
09:25-09:45	Keynote Address	TBA
09:45-10:00	Group Photograph	
10:00-10:30	Tea break	

Session 2

Time	Activity	Responding people
	Theme 1: Fundamental research on Nanomaterials	
10:30-10:35	Facilitator	Hanh
10:35-10:50	Invited speaker	Prof. Francesco Stellaci, Supramolecular Nanomaterials and Interfaces Laboratory Switzerland
10:50-11:05	Invited speaker	Prof. Jit Kang Lim, School of Chemical Engineering, Universiti Sains Malaysia
11:05-11:20	Speaker	Prof. Nguyen TK Thanh, University College London, UK
11:20-11:35	Speaker	Sebek Matej, University College London, UK
14:35-14:50	Speaker	Dr. Le Hoang Sinh, Duy Tan University, Vietnam.
12:00-13:30	Lunch	

Session 3

Theme 2: Nanomaterials for Diagnosis and Treatment of cancers		
13:30-13:35	Facilitator	Hang
13:35-13:50	Invited speaker	Prof. Jesus de la Fuentes, Institute of Materials Science of Aragón, Spain
13:50-14:05	Invited speaker	Prof. Dr. Nam Trung Nguyen, Griffith University, Australia
14:05-14:20	Invited speaker	Prof. Yanglong Hou, Pekin University, China
14:20-14:35	Speaker	Prof. Kumar Mahesh, Indian Institute of Technology Jodhpur India
14:35-14:50	TBA	
14:50-15:20	Tea break	

Session 4

Time	Activity	Responding people
	Theme 3: Diagnosis and treatment of infectious diseases	
15:20-15:35	Facilitator	Hoang
15:35-15:50	Invited speaker	Prof. Sylvie Begin, University of Strasbourg, France
15:50-16:05	Invited speaker	Assoc. Prof. Hiroshi Yabu, Tohoku University, Japan
16:05-16:20	Invited speaker	Prof. Shinya Maenosono, School of Materials Science, Japan

16:20-16:35	Speaker	Dr. Hang Ta, The University of Queensland, Australia.
16:35-16:50	Speaker	Begin Dominique, University of Strasbourg, France
16:50-17:05	TBA	
17:05-17:35	Tea break	

30 July 2019 – Day 2 –VYA Conference
Theme: Nanomaterials and Healthcare (NHM) meeting

Session 5

Time	Activity	Responding people
	Theme 4: Fundamental research of nanomaterial part 2	
09:00-09:05	Facilitator	
09:05-09:50	Plenary talk	Prof. Mostafa El Sayed, Georgia Institute of Technology, USA
09:50-10:05	Invited speaker	Prof. Jochen Feldman, University of Munich, Germany
10:05-10:20	Invited speaker	Prof. Lingdong Sun, Peking University, China
10:20-10:50	Tea break	

Session 6

Time	Activity	Responding people
	Theme 5: Diagnosis and Treatment of cancers part 2	
10:50-10:55	Facilitator	TBA
10:55-11:10	Invited speaker	Dr. Maya Thanou, King's College London, UK
11:10-11:25	Invited speaker	Prof. Rachela Popovtzer, Bar-Ilan University, Israel
11:25-11:40	Invited speaker	Dr. Maya Thanou, King's College London, UK
11:40-11:55	Speaker	Minh Nam Nguyen, Yale University, USA
12:00-13:30	Lunch	

Session 7

Time	Activity	Responding people
	Theme 6: Diagnosis and Treatment of infectious disease part 2	
13:30-13:35	Facilitator	Hoa
13:35-13:50		
13:50-14:05	Speaker	Dr. Hanh Lam, University of California Santa Cruz, USA
14:05-14:20	Speaker	Dr. Nguyen Duc Hoang, University of Natural Science, Vietnam
14:20-14:35	Speaker	Kurniawan Agustiono, College of Ecology and Environment, China
14:35-14:50	TBA	
14:50-15:20	Tea break	

Session 8

Time	Activity	Responding people
	Theme 7: Industrial Engagement with Vietnamese companies	
15:20-15:35	Facilitator	TBA
15:35-15:50	Invited speaker	Dr. Le Trong Lu, Vietnam Academy of Science and Technology
15:50-16:05	TBA	TBA
16:05-16:20	TBA	TBA
16:20-16:35		
16:35-16:50		
16:50-17:05	TBA	

17:05-17:35	Tea break
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Session 9 –Conference Dinner

Time	Activity	Responding people
18:00-18:05	Welcome	Prof Nguyen T. K. Thanh, Founder of VYA
18:05-18:20	Guest speaker 1	TBA
18:20-18:35	Guest speaker 2	TBA
18:35-18:50	Guest speaker 3	TBA
19:00-21:00	Conference Dinner	

31 July 2019 – Day 3 –VYA Conference and 4th WWMYA

Morning: Nanomaterials and Healthcare (NHM) meeting

Session 10

Time	Activity	Responding people
	Theme 8: The emergence of optical wireless communications for naval applications	
09:00-09:05	Facilitator	
09:05-09:40	Speaker	Dr. Le Minh Hoa, Northumbria University, UK
09:45-10:05	Invited speaker 2	TBA
10:10-10:30	Invited speaker 3	TBA
10:30-11:00	Tea break	

Session 11

Time	Activity	Responding people
	Theme 9: TBA	
11:00-11:15	Invited speaker	Dr. Ye Enyi, A*STAR, Singapore
11:15-11:30	Invited speaker	Dr. Li Zibiao, A*STAR, Singapore
11:30-11:45	TBA	TBA
11:45-12:00	Conference Closing	TBA
12:00-13:30	Lunch	

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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.
Nanotechnology Enables Hot Gold Nanorods to Kill Cancer Cells and to Stop Alive Sick Cells from Migrating to other Places in the Body

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 Stellaci*, Supramolecular Nanomaterials and Interfaces Laboratory, École polytechnique fédérale de Lausanne EPFL, Switzerland. He is a member of GYA.
Supramolecular Approaches to Design Antivirals.
- *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. *Liquid marbles as a digital microfluidic lab-on-a-chip platform.*
- *Prof. Sylvie Begin*, Director at ECPM (European Engineering School in Chemistry, Polymers and Materials) University of Strasbourg. *Engineering of magnetic-based nanoplatfoms 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. *Towards Programmable and Intelligent Nanosystems for Health Applications*
- *Prof. Yanglong Hou*, Department of Materials Science and Engineering, College of Engineering, Peking University, China. *Inherent multifunctional inorganic nanoparticles for imaging-guided cancer therapy.*
- *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. *Multiplexed Luminescent Nanoparticles toward Integrated Therapy and Imaging Platform.*
- *Dr. Li Zibiao*, Deputy Dept Head, Soft Materials, IMRE, A*STAR, Singapore. Talk title: *Biodegradable Soft Nanomaterials for Healthcare Applications*
- *Dr. Lingyun Zhao*, Associate Professor, School of Material Science and Engineering, Tsinghua University
- *Dr. Le Trong Lu*, Vice Director of Institute for Tropical Technology, Vietnam Academy of Science and Technology.