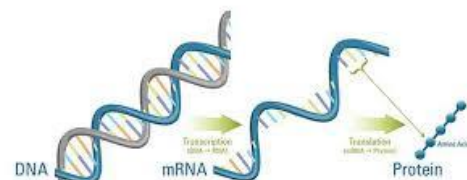


INTERNATIONAL CONFERENCE ON
FROM GENE TO PROTEIN: RESEARCH & APPLICATIONS

30 May 2018 / Venue: 334 Nguyen Trai, Hanoi



TENTATIVE PROGRAM

8.00-10.00	15 th anniversary ceremony of KLEPT	An event prior to the conference
10.00-10.20	Photo & coffee break	
10.20-10.30	Opening remarks and introduction of key-note speakers	

Key note talks

10.30-11.15	Keynote ¹ Prof. Giovani Delogu Institute of Microbiology, Catholic University of the Sacred Heart, Italy	Molecular determinants in <i>Mycobacterium tuberculosis</i> pathogenesis: the role of PE_PGRS proteins
11.15-12.00	Keynote ² Prof. Kazuo Sakurai Kitakyushu University, Japan	Beta-glucans for Therapeutic Oligonucleotide Delivery: Immunocyte Targeting DDS with Dectin-1
12.00-13.30	Lunch-party	At the lobby

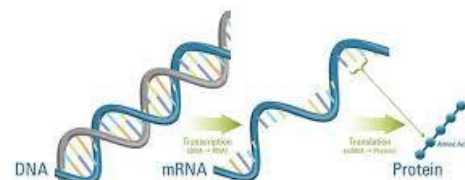
Invited talks

13.30-13.55	I ¹ Prof. Phan Tuan Nghia KLEPT, VNU University of Science, Vietnam	Development of recombinant vaccines for protection of shrimps against white spot syndrome virus: achievements and challenges
13.55-14.20	I ² Prof. Ta Thanh Van Center for Gene & Protein Research, Hanoi Medical University, Vietnam	Development of TCD8 lymphocyte Immuno-cell base for cancer therapy
14.25-15.00	I ³ Assoc. Prof. Nguyen Huy Hoang Human Genome Institute, Vietnam	Next generation sequencing in basic research and application in Vietnam
15.00-15.20	Coffee break	At the lobby
15.20-16.00	I ⁴ Dr. Nguyen Van Sang FOB, VNU University of Science, Vietnam	Structural basis for the bacterial membrane insertion of dermcidin peptide, DCD-1L
16.20-16.45	I ⁵ Dr. Vu Van Van Nguyen Tat Thanh University, Vietnam	Discovery, characterization, and potential applications of polysaccharide monooxygenases
16.45-17.20	I ⁶ Ass. Prof. Nguyen Tuan Anh Hong Kong University of Science and Technology, Hong Kong	Molecular Mechanism of microRNA Biogenesis
17.20-17.30	Closing remarks	

Note: A tour to Ha Long bay or Bat Trang village in 31 May is organized mainly for key note and invited speakers. Participants who wish to join the tour, please contact the organizer for further details.

INTERNATIONAL CONFERENCE ON
FROM GENE TO PROTEIN: RESEARCH & APPLICATIONS

30 May 2018 / Venue: 334 Nguyen Trai, Hanoi



Short bio of keynote speakers

Giovanni Delogu



Giovanni Delogu, PhD, is Associate Professor of Microbiology and Clinical Microbiology at the Catholic University of the Sacred Heart – Fondazione Policlinico Gemelli, Rome (Italy). The main scientific interests involve tuberculosis (TB) and mycobacterial infections from different perspectives including: pathogenesis and host-pathogen interaction of TB using in vitro and in vivo models; development and evaluation of new antimicrobials and host-directed therapies against TB and other bacterial pathogens; microbiological and immunological diagnosis of TB; WGS and molecular epidemiology of TB; surveillance of antimicrobial resistance. Research in this field has been funded in the last ten years by the EU (FP6 & 7), Italian Minister of Health, Italian Minister of University and Scientific Research. The expertise gained in the TB field over 25 years have also been transferred to others fields of microbiology and infectious diseases. There is an interest to pursue research in other close areas of microbiology infectious diseases. He previously visited Vietnam to run a workshop on TB in 2007 in Hanoi and in 2008 in Hue.

Kazuo Sakurai

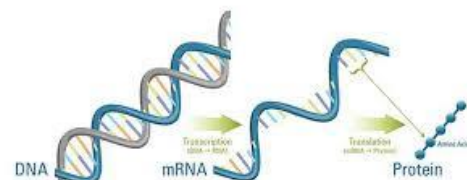


Kazuo Sakurai, PhD, is Professor of Pharmaceutical & Organic Chemistry at the Department of Life Science and Environmental Engineering, University of Kitakyushu (Japan). The main scientific interests involve characterization of Polysaccharide/DNA complexes and its application to gene delivery, synthesis and characterization of novel cationic liposome for plasmid DNA delivery, synchrotron small-angle X-ray scattering from DNA complexes. Research in this field has been funded in the last fifteen years by the Japanese Science & Technology Agency, (JST) including SORST Program, Grant-in-Aid for Scientific Research Class B, Grant-in-Aid for Scientific Research “Houga” JST Seed innovation “Kenzaika” Stage, JST CREST, JST NeXTEP... He has published 70 papers in international journals and number of patents. He has been presented the best inventor award (1998), the award from Mitsubishi-chemical polymer society (2008), and the Adrian award from Royal Science Society, UK (2013). Currently, he is the chair of Advanced Softmaterial Beamline Consortium Organizing Committee and is the Director of Biomedical Material Center, Institute of Environmental Science and Technology (IEST), The University of Kitakyushu, and a consultant for number of pharmaceutical companies.

Note: A tour to Ha Long bay or Bat Trang village in 31 May is organized mainly for key note and invited speakers. Participants who wish to join the tour, please contact the organizer for further details.

INTERNATIONAL CONFERENCE ON
FROM GENE TO PROTEIN: RESEARCH & APPLICATIONS

30 May 2018 / Venue: 334 Nguyen Trai, Hanoi



Short bio of invited speakers



Professor Tuan-Nghia Phan has been working as a lecturer of Biochemistry and Biotechnology at the VNU University of Science in Hanoi since 1991. He finished his PhD at the University of Hanoi in 1988 and held a postdoctoral position at the International Centre for Genetic Engineering and Biotechnology (ICGEB) in New Delhi, India (1995–1997) and a postdoctoral associate research fellow position at the University of Rochester in New York, USA (1998–2001). His recent research interests include development of recombinant vaccines for protection of shrimps against white spot syndrome virus, HIV-1 protease and its inhibitors, mitochondrial genome mutations in humans. He is the author and co-author of 4 books and nearly 130 papers published in international and national peer-reviewed journals. Presently, Professor Tuan-

Nghia Phan is the Director of National Key Laboratory of Enzyme and Protein Technology and Vice Rector in charge of Research and Quality Assurance of the VNU University of Science.



Professor Ta Thanh Van, MD., Ph.D. graduated at Hanoi Medical University in 1987 specialized in Surgery and Obstetric, residency course in Biochemistry in 1990, received PhD at Kyoto Institute of Technology in 1999. Subsequently, he went to United States for his postdoctoral study (1999-2001) then went back to Japan (2001-2003) for his second postdoctoral study at Kyoto University. After long time study abroad, he came back to work in Hanoi Medical University, Department of Biochemistry. He was appointed as Vice director of the Department of Science and training of the Ministry of Health (2007-2011), Vice president of Hanoi Medical University in charge of graduate training, scientific management and international affairs (2009). In addition, He is Director of the Center for gene and protein

research, Director of the Quality control center for laboratory management of Hanoi Medical University and Chair of the department of Biochemistry. Dr. Ta Thanh Van was appointed as Associate professor (2007), full Professor (2012). He was National honor distinguish lecturer (2017). Prof. Ta Thanh Van has been principal investigator of many scientific projects sponsored by Ministry of Science and Technology, Ministry of Health and National Institute of Health of the US. He is author/co-author of more than 300 scientific papers, among them 20 have been published in high ranking international journals. Prof. Ta Thanh Van is also author and co-author of many books in biochemistry and medical molecular biology. Besides, he is a member of many national and international scientific boards and organizations.

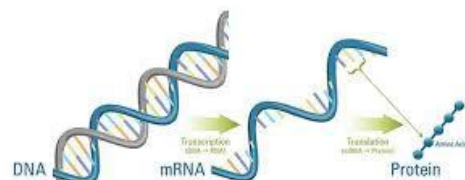


Associate Professor Nguyen Huy Hoang finished his PhD in Biochemistry and Molecular Biology at Saarland University, Germany in 2008. His main research interests include: Investigation of variations of CYP11B1, CYP11B2, CYP11A1 and StaR gene; expression of cytochrome P450 in *E.coli* and mammalian cells; study of steroid metabolism; application of recombinant enzyme in industry agriculture. He has published 14 papers in international journals and has been funded a number of research projects from Ministry of Science, Ministry of Trade and Industry, Vietnam Academy of Science and Technology (VAST). Currently, Associate Professor Nguyen Huy Hoang is the Director of Human Genome Research Institute, VAST.

Note: A tour to Ha Long bay or Bat Trang village in 31 May is organized mainly for key note and invited speakers. Participants who wish to join the tour, please contact the organizer for further details.

INTERNATIONAL CONFERENCE ON FROM GENE TO PROTEIN: RESEARCH & APPLICATIONS

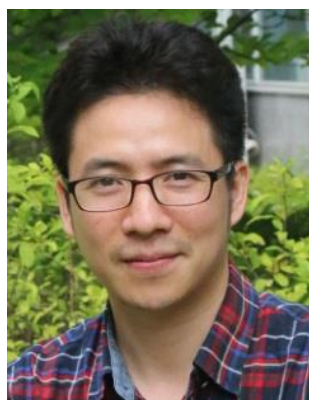
30 May 2018 / Venue: 334 Nguyen Trai, Hanoi



Dr. Nguyen Van Sang received his Ph.D. degree in Structural Biology at National University of Singapore (NUS) in 2013. He worked as postdocs at NUS for 2 years before moving back Vietnam. Currently, Dr. Nguyen Van Sang is a lecturer and a principal investigator at Department of Genetics, Faculty of Biology, Vietnam National University in Hanoi (VNU). He is also the head of Molecular and Cellular biology Lab, Center for Life Science, Faculty of Biology, VNU. His research interests focus on 3 topics (1) the elucidation of protein structure-function relationship using Nuclear Magnetic Resonance (NMR) or X-ray crystallography, electron microscopy (EM), and mass spectrometry (MS) (2) recombinant protein production for medical and industrial applications, (3) Functional genomics of viruses. Dr. Sang has published papers on structures of protein-protein complexes (T3SS complex), structures of protein with their small inhibitors (NF- κ B proteins) and a structure of human antimicrobial peptide (dermcidin) with bacterial membrane.



Dr. Vu Van Van was awarded a graduate fellowship from Vietnam Education Foundation and obtained his Ph.D. degree in bioinorganic chemistry from the University of Minnesota-Twin Cities in 2011. He then spent three years as a postdoctoral researcher at the Scripps Research Institute, working on biomass conversion in a project funded by BP Alternative Energy. He started his independent research career at Nguyen Tat Thanh University in 2015 when he was appointed the director of NTT Hi-Tech Institute. Van's main research interests lay in the interface between chemistry and biology, with the focus on fundamental studies and practical applications of oxygen-activating metalloenzymes. Van's current research program addresses the structure, mechanism, biological functions, and applications of polysaccharide monooxygenases (PMOs), copper- and oxygen-dependent enzymes that play important role in recalcitrant polysaccharide degradation and microbial pathogenesis. Beside running his own research group, Van is working on building NHTI as an institute for research, training, technology incubation, and technology transfer.



Assistant Professor Nguyen Tuan Anh received his PhD in Biochemistry at Korea Advance Institute of Science and Technology, Korea (2012), and obtained a doctoral fellowship at Prof. Narry Kim's lab Seoul (2012-2016). He is currently an assistant professor at Hong Kong University of Science and Technology. The main scientific interests involve functional anatomy of the human microprocessor, such as DROSHA. He has published 13 papers in international journals including two papers in *Cell* (first author). He has been presented a number of fellowships and prizes. In 2015, he was awarded Young Scientist prize from Korea Society for Structural Biology. Now, he continues his research on microRNAs which is funded by HKUST and National Natural Science Foundation of China, and Hong Kong Research Grant Council.

Note: A tour to Ha Long bay or Bat Trang village in 31 May is organized mainly for key note and invited speakers. Participants who wish to join the tour, please contact the organizer for further details.