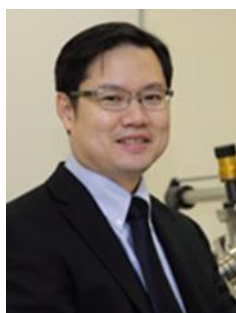


The NRF Investigatorship provides opportunities for established, innovative and active scientists and researchers, in their mid-career, to pursue ground-breaking, high-risk research. It is designed to support a small number of excellent Principal Investigators who have a track record of research achievements that identify them as leaders in their respective field(s) of research.

## CLASS OF 2015



**Prof LOH Kian Ping**  
*National University of Singapore*  
*Department of Chemistry*

Research Title : Graphene Oxide: a New Class of Catalytic, Ionic and Molecular Sieving Material

Homepage : [https://www.chemistry.nus.edu.sg/people/academic\\_staff/lohkp.htm](https://www.chemistry.nus.edu.sg/people/academic_staff/lohkp.htm)



**A/P LIU Bin**  
*National University of Singapore*  
*Department of Chemical and Biomolecular Engineering*

Research Title : Aggregation Induced Emission: A Revolutionary Path to Molecular Probes and Theranostic Nanoplatfoms

Homepage : <http://www.chbe.nus.edu.sg/faculty/cheliub>



**A/P XIONG Qi Hua**  
*Nanyang Technological University*  
*School of Physical & Mathematical Sciences*

Research Title : Expanding the toolbox of laser cooling towards the next-generation optical refrigeration

Homepage : [http://research.ntu.edu.sg/expertise/academicprofile/Pages/StaffProfile.aspx?ST\\_EMAILID=QIHUA](http://research.ntu.edu.sg/expertise/academicprofile/Pages/StaffProfile.aspx?ST_EMAILID=QIHUA)



**Prof Christos PANAGOPOULOS**  
*Nanyang Technological University*  
*School of Physical & Mathematical Sciences*

Research Title : Magnetic Interactions for Spin Topology

Homepage : [http://www.spms.ntu.edu.sg/pap/Home/Faculty/Panagopoulos\\_Christos.html](http://www.spms.ntu.edu.sg/pap/Home/Faculty/Panagopoulos_Christos.html)



**A/P Markus WENK**

*National University of Singapore*

*Department of Biochemistry and Department of Biological Sciences*

Research Title : Defining Natural Boundaries of Lipidomic Variations

Homepage : <http://www.dbs.nus.edu.sg/staff/wenk.htm>



**A/P Paul MACARY**

*National University of Singapore*

*Yong Loo Lin School of Medicine*

Research Title : Molecular Engineering of Fully Human Monoclonal Antibodies

Homepage : <http://medicine.nus.edu.sg/mbio/abtus/academic-staff/assoc-prof-paul-macary.shtml>



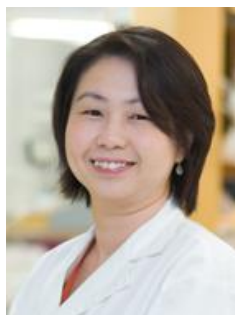
**Prof Kanaga SABAPATHY**

*Duke-NUS Medical School*

*Cancer & Stem Cell Biology Program*

Research Title : Unravelling the Mechanistic Basis of Tumour Suppression vs. Tumour Promotion by p73 - a Paradigm for Cell-fate Choice by Transcription Factors

Homepage : [http://research.ntu.edu.sg/expertise/academicprofile/Pages/StaffProfile.aspx?ST\\_EMAILID=MSJPHEE](http://research.ntu.edu.sg/expertise/academicprofile/Pages/StaffProfile.aspx?ST_EMAILID=MSJPHEE)



**A/P LOK Shee Mei**  
*Duke-NUS Medical School*  
*Emerging Infectious Diseases Program*

Research Title : Understanding Possible Structural Variations of Dengue Virus Particles and Their Implications in the Design of Effective Vaccine and Therapeutic Agents

Homepage : <https://www.duke-nus.edu.sg/content/lok-shee-mei>



**Prof YU Hao**  
*National University of Singapore*  
*Department of Biological Sciences*

Research Title : Unravelling the Mechanism of Macromolecular Trafficking in Plants

Homepage : <http://www.dbs.nus.edu.sg/staff/yuhao.htm>



**A/P YAN Jie**  
*National University of Singapore*  
*Department of Physics*

Research Title : Understanding and Altering Mechanosensing of Cells

Homepage : <http://www.physics.nus.edu.sg/staff/yanjie.html>



**Prof LOW Xiong Wen, David**  
*Nanyang Technological University*  
*School of Chemical and Biomedical Engineering*

Research Title : Metal-Organic Frameworks-Derived Functional Materials for Electrochemical Energy Storage and Conversion

Homepage : <http://www.ntu.edu.sg/home/xwlou/>



**Prof LEE Pooi See**  
*Nanyang Technological University*  
*School of Material Science and Engineering*

Research Title : Deformable Electronic Materials and Devices for Human Machine Interface

Homepage : <http://www.ntu.edu.sg/home/pslee/>



**A/P CHI Yonggui, Robin**  
*Nanyang Technological University*  
*School of Physical and Mathematical Sciences*

Research Title : Opportunities with Carbene Organocatalysis: New Activation Modes & Metal-Free Rapid Green Access to Functional Molecules

Homepage : <http://www.ntu.edu.sg/home/robinchi/>



**Prof PHEE Soo Jay, Louis**  
*Nanyang Technological University*  
*School of Mechanical and Aerospace Engineering*

Research Title : Extending the Reach of Flexible Robotic Surgery

Homepage : [http://research.ntu.edu.sg/expertise/academicprofile/Pages/StaffProfile.aspx?ST\\_EMAILID=MSJPHEE](http://research.ntu.edu.sg/expertise/academicprofile/Pages/StaffProfile.aspx?ST_EMAILID=MSJPHEE)



**Prof Hilmi Volkan DEMIR**  
*Nanyang Technological University*  
*School of Electrical and Electronic Engineering*

Research Title : Emerging Colloidal Quantum Optoelectronics of Solution-Processed Atomically-Flat Nanocrystals

Homepage : [http://research.ntu.edu.sg/expertise/academicprofile/Pages/StaffProfile.aspx?ST\\_EMAILID=HVDEMIR](http://research.ntu.edu.sg/expertise/academicprofile/Pages/StaffProfile.aspx?ST_EMAILID=HVDEMIR)