

MOLECULAR FRONTIERS FORUM 2008

January 11, 2008, Biopolis, Singapore

INSPIRING YOUNG MINDS FOR SCIENCE

Guest of Honor:

Minister for Finance and Minister for Education, Mr Tharman Shanmugaratnam

MOLECULAR  FRONTIERS

www.molecularfrontiers.org
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Institute of
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TIME	PROGRAM
1.00pm to 1.05pm	<p style="text-align: center;">Opening Remarks by Guest-of-Honor Minister for Finance and Minister for Education, Mr Tharman Shanmugaratnam</p>
1.05pm to 2.35pm	<p style="text-align: center;">Panel Discussion How to Win the Nobel Prize Chair: Professor Bengt Nordén Royal Swedish Academy of Sciences, Sweden</p> <p style="text-align: center;">Panelists: Professor K. Barry Sharpless Nobel Prize in Chemistry 2001, The Scripps Research Institute and The Skaggs Institute for Chemical Biology, USA</p> <p style="text-align: center;">Professor Richard Schrock Nobel Prize in Chemistry 2005, Massachusetts Institute of Technology, USA</p> <p style="text-align: center;">Professor Ryoji Noyori Nobel Prize in Chemistry 2001, RIKEN and Nagoya University, Japan</p>
2.35pm to 3.25pm	<p style="text-align: center;">Coffee/Tea</p>
3.25pm to 4.10pm	<p style="text-align: center;">Keynote Lecture Molecular Sciences and the Developing World: A Conflict Between Traditions and Future Demands Professor Erik Thulstrup Roskilde University, Denmark</p>
4.10pm to 5.40pm	<p style="text-align: center;">Panel Discussion How Will Molecular Sciences Impact Our Future? Chair: Professor Jackie Y. Ying Institute of Bioengineering and Nanotechnology, Singapore</p> <p style="text-align: center;">Panelists: Mr Lim Chuan Poh Agency for Science, Technology and Research, Singapore</p> <p style="text-align: center;">Professor Louis Brus Columbia University, USA</p> <p style="text-align: center;">Professor Shuguang Zhang Massachusetts Institute of Technology, USA</p> <p style="text-align: center;">Professor Sumio Iijima Gregori Aminoff Prize 2007, NEC Corporation, Meijo University and Research Center for Advanced Carbon Materials, Japan</p> <p style="text-align: center;">Professor Tom Brown University of Southampton, UK</p>
5.40pm to 5.50pm	<p style="text-align: center;">Closing Remarks Professor Bengt Nordén and Professor Jackie Y. Ying</p>
5.50pm	<p style="text-align: center;">End of Program</p>

KEYNOTE LECTURE: MOLECULAR SCIENCES AND THE DEVELOPING WORLD: A CONFLICT BETWEEN TRADITIONS AND FUTURE DEMANDS

Keynote Speaker



Professor Erik Thulstrup
Roskilde University, Denmark

PANEL DISCUSSION: HOW TO WIN THE NOBEL PRIZE

Chair



Professor Bengt Nordén
*Chalmers University of Technology and
Royal Swedish Academy of Sciences, Sweden*

Panelists



Professor K. Barry Sharpless
*Nobel Prize in Chemistry (2001)
The Scripps Research Institute and
The Skaggs Institute for Chemical Biology, USA*



Professor Ryoji Noyori
*Nobel Prize in Chemistry (2001)
RIKEN and Nagoya University, Japan*



Professor Richard Schrock
*Nobel Prize in Chemistry (2005)
Massachusetts Institute of Technology, USA*

PANEL DISCUSSION: HOW WILL MOLECULAR SCIENCES IMPACT OUR FUTURE?

Chair

Professor Jackie Y. Ying
Institute of Bioengineering and Nanotechnology, Singapore

Panelists



Mr Lim Chuan Poh
*Chairman, Agency for Science,
Technology and Research, Singapore*



Professor Sumio Iijima
*Gregori Aminoff Prize (2007)
NEC Corporation, Meijo University and
Research Center for Advanced Carbon
Materials, Japan*



Professor Louis Brus
Columbia University, USA



Professor Tom Brown
University of Southampton, UK



Professor Shuguang Zhang
Massachusetts Institute of Technology, USA

FORUM ORGANIZERS



Institute of
Bioengineering and
Nanotechnology

The Institute of Bioengineering and Nanotechnology (IBN) is a member of the Agency for Science, Technology and Research (A*STAR). Established in 2003, the institute's mission is to establish a broad knowledge base and conduct innovative research at the interface of bioengineering and nanotechnology. Positioned at the platforms that will spur the growth of new industries. IBN also fosters an exciting, multidisciplinary research environment for the training of students and young researchers to spearhead biomedical advancement in Singapore. For more information, please visit www.ibn.a-star.edu.sg.



In 2003, IBN launched the Youth Research Program (YRP) to expose young people and their educators to state-of-the-art scientific research. The YRP has since reached out to more than 20,700 students and teachers from 178 schools through open houses, workshops, courses, research attachments and other activities. The YRP's latest initiative, Nano-Bio Kits, are educational tools to help teachers introduce practical applications of bioengineering and nanotechnology to their students using basic laboratory equipment commonly available in schools. Learn more about YRP at <http://yrp.ibn.a-star.edu.sg>.



The Molecular Frontiers Foundation is a global think tank that seeks to promote the understanding and appreciation of molecular science in society. Its Scientific Advisory Board (SAB) consists of 7 Nobel Prize laureates as well as 19 distinguished scientists from various parts of the world. The Molecular Frontiers Foundation also focuses on engaging young people to pursue scientific enquiry and has recently accepted the Molecular Frontiers Inquiry Prize for youths. The Foundation was founded by Prof. Bengt Nordén, who is also the Chair of the Selection Committee of the Nobel Prize in Chemistry. For information about the Molecular Frontiers Foundation, visit www.molecularfrontiers.org.

www.moleclues.org

The Molecular Frontiers Foundation aims to nurture the spirit of scientific enquiry amongst young people around the world. To achieve this goal, the Foundation has launched the Molecular Frontiers Inquiry Prize for the best scientific question posed by children. Its purpose is to inspire curiosity, spread knowledge, demonstrate ways to explain unusual phenomena as well as everyday events, and show how scientific discovery can be done. Young people between the ages of 10 and 18 are invited to submit their questions and explore molecular science at www.moleclues.org.

The 1st Molecular Frontiers Forum is organized by the Institute of Bioengineering and Nanotechnology and the Molecular Frontiers Foundation*.

* This Forum is held in conjunction with the 2nd Molecular Frontiers Symposium and IBN's 5th Anniversary celebrations.