



The Global Center-of-Excellence Program
-Global Control Strategy of Tropical and Emerging Infectious Diseases-

**The 3rd Nagasaki Symposium
on Tropical and Emerging Infectious Diseases
and
The 9th Nagasaki-Singapore Medical Symposium**

Oct.10(Fri.) - 11(Sat.), 2008

Ryojun Hall, Nagasaki University Sakamoto Campus

Invited Speakers

John Wong National University of Singapore, Singapore

Kenichiro Kakihara RIKEN, Singapore, Singapore

Yoshiyuki Nagai RIKEN Center of Research Network for Infectious Diseases, Japan

Satoshi Omura Kitasato University, Japan

Peter Preiser Nanyang Technological University, Singapore

Zbynek Bozdech Nanyang Technological University, Singapore

Kevin Tan National University of Singapore, Singapore

Yoshitsugu Miyazaki National Institute of Infectious Diseases, Japan

Dale Fisher National University of Singapore, Singapore

Hironori K. Nakamura Gifu University, Japan

Masafumi Inoue Biopolis, Singapore

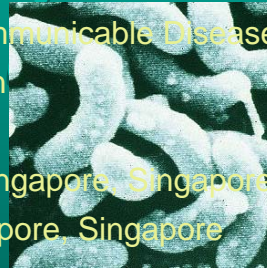
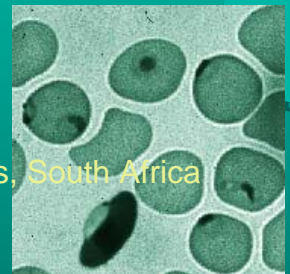
Janusz Paweska National Institute of Communicable Diseases, South Africa

Akira Kaneko Karolinska Institutet, Sweden

Laurent Rénia Biopolis, Singapore

Koh Dow Rhon National University of Singapore, Singapore

Vincent Chow National University of Singapore, Singapore



Sponsored by Global COE program, Nagasaki University,
Ministry of Education, Culture, Science and Technology,

The 3rd Nagasaki Symposium on Tropical and Emerging Infectious Diseases
The 9th Nagasaki-Singapore Medical Symposium

October 10th (Fri) - 11th (Sat), 2008
Ryojun Hall, Nagasaki University Sakamoto Campus
Nagasaki, Japan

PROGRAM - Friday, 10 Oct 2008

Registration

08:30-09:00

Opening remarks

09:00-09:15 Hiroshi Saito (President, Nagasaki University, Japan)
Shigeru Kohno (Dean, Nagasaki University School of Medicine, Japan)

Keynote lectures (Chair: Shigeru Kohno)

09:15-09:45 John Wong (National University of Singapore, Singapore)
"The role of the University in the development of academic medicine"

09:45-10:15 Kenichiro Kakihara (RIKEN Singapore, Singapore)
"R&D policy of Singapore - In the eyes of a Japanese officer in Singapore"

Global COE Program and Asian-African Research Network for Infectious Diseases
(Chair: Shigeru Katamine)

10:15-10:45 Yoshiyuki Nagai (RIKEN Center of Research Network for Infectious Diseases, Japan)
"Toward the construction of Asian-African Research Network for Infectious Diseases. A preliminary experiment of Japan over these four years (05-08)."

10:45-11:15 Kenji Hirayama (Nagasaki University, Japan)
"GCOE Program, Nagasaki University"

11:15-11:30 Tea Break

Memorial lecture (Chair: Toshifumi Matsuyama)

11:30-12:30 Satoshi Omura (Kitasato University, Japan)
"Drug discovery as a public health intervention: the Ivermectin story"

Lunch

12:30-13:30 Pompe Hall

Session 1. Malaria (Chair: Kenji Hirayama)

13:30-14:00 Peter Preiser (Nanyang Technological University, Singapore)
"STEVOR mediates antigenic variation on the surface of *Plasmodium falciparum* infected erythrocytes"

14:00-14:30 Richard Culleton (Nagasaki University, Japan)
"Identifying the genetic factors controlling the replication rate of *Plasmodium yoelii*"

14:30-15:00 Osamu Kaneko (Nagasaki University, Japan)
"Erythrocyte ligand of the malaria parasite and virulence"

- 15:00-15:15 Tea Break
- 15:15-15:45 Zbynek Bozdech (Nanyang Technological University, Singapore)
"Quantitative proteomics of the malaria parasite life cycle"
- 15:45-16:15 Kevin Tan (National University of Singapore, Singapore)
"Suicide of a killer: elucidating programmed cell death pathways in *Plasmodium falciparum*"
- 16:15-16:30 Tea Break

Special clinical lecture (Chair: Koya Ariyoshi)

- 16:30-17:00 Yoshitsugu Miyazaki (National Institute of Infectious Diseases, Japan)
"Overview of current fungal infections"
- 17:00-17:30 Dale Fisher (National University of Singapore, Singapore)
"Outpatient Parenteral Antibiotic Therapy"

PROGRAM - Saturday, 11 Oct 2008

Session 2. Drug discovery and development of diagnostic tools (Chair: Osamu Nakagomi)

- 09:00-09:30 Hideki Hayashi (Nagasaki University, Japan)
"Search for anti-inflammatory molecules using yeast cells"
- 09:30-10:00 Noriyuki Nishida (Nagasaki University, Japan)
"Cell culture models for prion and drug discovery"
- 10:00-10:30 Hironori K. Nakamura (Gifu University, Japan)
"In silico screening for anti-prion compounds: toward a new scoring concept"
- 10:30-10:45 Tea Break
- 10:45-11:15 Masafumi Inoue (Biopolis, Singapore)
"Development of multiplex panels for Flu/H5 and CHIK/DEN for surveillance and diagnosis."
- 11:15-11:45 Masami Niwa (Nagasaki University, Japan)
"Increase efficiency of drug development process by BBB kit"

Lunch

- 11:45-12:45 Pompe Hall

Educational Lecture (Chair: Kouichi Morita)

- 12:45-13:30 Janusz Paweska (National Institute of Communicable Diseases, South Africa)
"Search for reservoir hosts of filoviruses in Africa"
※Dr. Janusz Paweska was unable to come.
- 13:30-13:45 Tea Break

Session 3. Infections and immune responses (Chair: Katsuyuki Yui)

- 13:45-14:15 Akira Kaneko (Karolinska Institutet, Sweden)
"Sustainable malaria freedom"
- 14:15-14:45 Laurent Rénia (Biopolis, Singapore)
"Sterile protection against malaria induced by vaccination with live parasites"
- 14:45-15:15 Koh Dow Rhon (National University of Singapore, Singapore)
"Murine cellular and humoral responses to a human SARS coronavirus spike protein extracellular domain DNA vaccine with RGD motif"
- 15:15-15:30 Tea Break
- 15:30-16:00 Kiri Honma (Nagasaki University, Japan)
"Regulation of the immune system by interferon regulatory factor-4 (IRF-4)"

16:00-16:30 Vincent Chow (National University of Singapore, Singapore)
"Influenza H3N2 virus HA and NS1 mutations contribute to lethal pulmonary and systemic infection in a mouse model"

16:30-17:00 Kouichi Morita (Nagasaki University, Japan)
"Isolation and characterization of B-cell tropic dengue virus type 2 from a dengue hemorrhagic fever patient"

Closing remark

17:00 Kenji Hirayama (Dean, Institute of Tropical Medicine, Nagasaki University, Japan)