

## The 13th New Pharmaceutical Technology and Engineering Conference Program

**SHINAGAWA Intercity Hall, TOKYO, JAPAN**

*Organized by: The New Pharmaceutical Technology and Engineering Institute (NPTE)*

| Wed. July 22, 2015            |  |   | Thurs. July 23, 2015          |             |   |
|-------------------------------|--|---|-------------------------------|-------------|---|
| -                             | 10:00-10:10  | <b>Opening Remarks</b>  | 1                             | 9:50-10:40  | <b>Masafumi Nogimori</b><br><i>Representative Director, Chairman of the Board, Astellas Pharma Inc.</i><br><b>"Global Strategy of Astellas Pharma"</b>  |
| 1                             | 10:10-11:00  | <b>Mami Yabuki</b><br><i>Principal Inspector, Office of Manufacturing/Quality and Compliance<br/>Pharmaceuticals and Medical Devices Agency(PMDA), Japan</i><br><b>"Trends on PIC/S and Good Manufacturing Practices (GMP) Activities"</b>  | 2                             | 10:40-11:30 | <b>Stephen T. Buckley, Ph.D.</b><br><i>Team Leader, Discovery ADME, Novo Nordisk A/S</i><br><b>"Therapeutic Delivery of Peptides and Proteins: Examining the Challenges and Opportunities"</b>  |
| 2                             | 11:00-11:50  | <b>Jingtao Zhang, Ph.D.</b><br><i>Principal Scientist, Department of Pharmaceutical Sciences, Department of RNA Therapeutics, Merck Research Laboratories, Merck &amp; Co., Inc.</i><br><b>"Multi-dimensional Characterization of siRNA Delivery Nanoparticles"</b>   | 3                             | 11:30-12:20 | <b>Yoshito Ohnishi, Ph.D.</b><br><i>Assistant Director, Formulation Research Lab., Taiho Pharmaceutical Co., Ltd.</i><br><b>"Development Concept of Orally Disintegrating Anti-cancer Drug and its Pharmaceutical Technology"</b>   |
| <b>Lunch Time (60 min.)</b>   |  |   | <b>Lunch Time (50 min.)</b>   |             |   |
| 3                             | 12:50-13:40  | <b>Rohit Ramachandran, Ph.D.</b><br><i>Assistant Professor, Chemical and Biochemical Engineering<br/>Rutgers, The State University of New Jersey</i><br><b>"A Novel Continuous Tablet Manufacturing Process Integrated with inline PAT and Automated Control System"</b>  | 4                             | 13:10-14:00 | <b>Steve Hammond, Ph.D.</b><br><i>Senior Director, Process Analytical Sciences Group, Pfizer Global Supply, Pfizer</i><br><b>"Portable Continuous Miniature and Modular Manufacturing Engineering and Control Strategy"</b>   |
| 4                             | 13:40-14:30  | <b>Lian Ryan</b><br><i>Operations Lead, Pfizer Ireland Pharmaceuticals</i><br><b>"Managing Solid Dose Pharmaceutical Operations in an Advanced Containment Technology Facility"</b>   | 5                             | 14:00-14:50 | <b>Yoshiteru Takahashi, Ph.D.</b><br><i>Executive Corporate Officer, Deputy Vice President of Manufacturing Division, General Manager of Pharmaceutical Technology Center, SAWAI Pharmaceutical Co., Ltd.</i><br><b>"Development of High Value-added Generic Drugs: Establishment of Laser Printing Technology on Plain Tablets and Development of Cilostazol Orally Disintegrating Tablet"</b> |
| <b>Coffee Break (20 min.)</b> |  |   | <b>Coffee Break (20 min.)</b> |             |   |
| 14:50-15:05                   | <i>The New Pharmaceutical Technology and Engineering Foundation</i><br><b>Particle Design &amp; Financial Aid Awards Ceremony 2015</b> |   |                               |             |   |
| 5                             | 15:05-15:55  | <i>Particle Design Award 2015 Commemorative Lecture</i><br><b>Wataru Momose, Ph.D.</b><br><i>Senior Researcher, Technology/Oral Formulation Technology, Pharmaceutical Research and Technology Labs., Astellas Pharma Inc.</i><br><b>"Effective Use of PAT in New Drug Development and Reform and Prospect of Drug Manufacturing"</b> | 6                             | 15:10-16:00 | <b>Antonios Zavaliangos, Ph.D.</b><br><i>A.W. Grosvenor Professor, Materials Science and Engineering, Drexel University</i><br><b>"Mechanistic Understanding of Failure in Bilayer Tablets"</b>   |
| 6                             | 15:55-16:45  | <b>Yasushi Mima</b><br><i>Manager, Asia Pacific Quality Assurance Global IMP GMP Quality Assurance Department, CMC Center, Takeda Pharmaceutical Company Limited</i><br><b>"Takeda's Approach to Quality Knowledge Transfer"</b>  | 7                             | 16:00-16:50 | <b>Masafumi Dohi</b><br><i>Research Fellow, Oral Formulation Technology, Pharmaceutical Research &amp; Technology Labs., Astellas Pharma Inc.</i><br><b>"Contribution to Stable Production –Pharmaceutical Development with QbD Concept &amp; High Quality Assurance applying PAT"</b>  |
| <b>Break (30 min.)</b>        |  |   | -                             | 16:50-17:00 | <b>Closing Remarks</b>  |
| 17:15-19:15                   | <b>NETWORKING PARTY</b>  |   |                               |             |   |

*\*Simultaneous Interpretation will be available, except luncheon seminars*