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Seminar on Encapsulation and Multi-particulate Delivery Systems

Venue: Kent Ridge Guild House, NUS

26 – 28 May 2016

Objective:

Encapsulation is an important process to protect actives from the external environment and is often used in the preparation of innovative products. From this seminar, participants will have useful insights and knowledge of the updated comprehensive overview of encapsulation technologies and products prepared involving encapsulation. Lectures will showcase the technologies involved in preparing multi-particulates and how they can be applied for the preparation of pharmaceutical dosage forms among others.

Demonstrations (28 May 2016):

- ✓ Encapsulator
- ✓ Spray Dryer
- ✓ FlexStream Pellet Coating

Information

- Course materials will be supplied
- Daily lunches and teas will be provided
- Complimentary networking dinner: 27 May 2016

DETAILS & REGISTRATION:

www.geanus.nus.edu.sg



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LECTURES (26-27 May):

- High pressure homogenization techniques used in encapsulation and drug delivery systems
- Microencapsulation using the emulsification technique
- R&D spray drying and encapsulation: an overview on the technologies, possibilities and trends
- Spray drying of nutritional products
- Production of multi-particulates
- Formulation optimization for multi-particulate designs
- Coating of multi-particulates and design of delivery systems
- Encapsulation of multi-particulates for drug delivery etc.

Seminar Presenters:

Lai Wah Chan is an Associate Professor in Pharmaceutics at the Department of Pharmacy, NUS, where she has lectured for over 25 years. She is also the co-principal investigator of GEA-NUS PPRL which serves as a platform for promoting research and manpower training in process technology. Her research interests include pharmaceutical formulation and processing, and pharmaceutical microbiology. To date, she has published over 100 peer-reviewed papers and many more conference papers. She has also served as external technical specialist for the Health Sciences Authority of Singapore, technical expert/assessor for the Singapore Accreditation Council, scientific reviewer for local and overseas research grants, thesis examiner for local and overseas universities as well as reviewer for a number of journals.



Sze Nam Chee is the sales manager of Sales Support and Offer Management, GEA APC Dairy Asia. He has been with GEA since 2005. Prior to joining GEA, he worked for 2 years in the Health Sciences Authority (Pharmaceutical Department, Ministry of Health then). He has also held research position in NUS. He is a pharmacist by training and obtained his PhD in Pharmaceutics from the National University of Singapore.



Sarma Inguva has B.Sc. Dairy Technology in 1982 from the National Dairy Research Institute, Karnal, India. He has over 30 years' experience in servicing / supporting high pressure homogenisers and applications in various industries including pharmaceutical and bio-technology. Previously, Sarma worked for APV from 1982 to 2000 and is now employed by GEA since 2001. He is presently the Regional Director – Asia Pacific for GEA's high pressure homogenisation business.



Celine Liew obtained her BSc (Pharm) and PhD from NUS. She worked as a pharmacist in the Pharmaceutical Dept, Ministry of Health (currently HSA) prior to taking up a Research Fellow position at GEA-NUS PPRL. She has also worked as a Senior Scientist in Niro Inc., USA. She is currently teaching at Dept of Pharmacy, NUS. Her research interest is in the area of pharmaceutical formulation and technology on granulation, pelletization, coating and material characterization.



Marco Meuri started working with spray drying in 2008. His background in biological chemistry and industrial processes made the entry into the field of spray drying easy. As a Global Product Manager, he also supervises the application development in BUCHI. Further, he was invited to give speeches at international events by Controlled Release Society, microencapsulation research groups, AAPS and many more. He has also been a trainer for various spray drying seminars and workshops all around the world.



Dilwyn Patterson was educated at the University of Manchester, UK where he graduated with a PhD in materials science. He currently is the Area Sales Manager of GEA Pharma Solutions and is responsible for the Japan, South Korea and Taiwan markets. He also provides technical support for the design and operation of batch processing equipment and systems. His role also incorporates on site trouble shooting and providing process assistance. He has worked with the pharmaceutical industry for over 25 years supplying granulation, drying, pelletizing and coating equipment and systems and has gained considerable experience in each of these technologies.



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