GEA-NUS PHARMACEUTICAL PROCESSING RESEARCH LABORATORY

presents

“Hands-on” Workshop on Granulation & Particle Coating

“Design of Tableting Feed and Cores for Controlled Drug Delivery”

Venue: GEA-NUS PPRL, Pharmacy Dept, NUS
16 – 18 April 2018

Objective:
This workshop on granulation is organized following the success of past hands-on workshops. The course is designed to give a comprehensive overview of pharmaceutical granulation technologies including pelletization through lectures, hands-on practice and demonstrations. There will be opportunities to apply theoretical knowledge to the preparation and evaluation of various formulations and their resultant granules. From this workshop, participants will gain useful insights and knowledge from the updated comprehensive overview of granulation, pellet making and coating, through concise lectures and hands-on practice. Participants will have the opportunity to undertake selected useful particulate characterization methods and the preparation of tablets. The lectures will give an in-depth understanding on the science of preparing and evaluating particulate systems.

Who Should Attend:
Personnel involved in R&D and manufacture of pharmaceutical products:
✓ Production
✓ Quality assurance/ Quality control
✓ Product formulation and development
✓ Contract manufacturing
✓ Pharmaceutical excipient marketers

FOR MORE DETAILS & REGISTRATION: www.geanus.nus.edu.sg

Course Conductors:
Dilip M Parikh, DP Pharma Group Inc., USA
Dilip M Parikh is the President and CEO of DP Pharma Group and has over 40 years industry experience, with expertise ranging from pharmaceutical product development, manufacturing, regulatory affairs, and operational management. Prior to his current appointment, he was the VP of Synthon Pharmaceuticals, NC, VP and GM of Atlantic Pharmaceutical Services, MD, a pharmaceutical contract manufacturing subsidiary of a German engineering company GEA, and Manager of Process Technology with Niro Inc. He had also worked with Sandoz, Canada, McNeil and Ortho Pharmaceutical (J&J), Canada/US, and other pharmaceutical companies. Dilip has given many invited presentations on pharmaceutical technologies at various scientific conferences worldwide. He is on the editorial board of Contract Pharma Journal and has published a number of research papers and book chapters. He is also the editor of the “Handbook of Pharmaceutical Granulation Technology” (Informa Health) with the third edition published in 2009 and author of “How to Optimize Fluid Bed Processing Technology” (Elsevier-Academic Press) published in 2017.

Paul Heng, National University of Singapore
Paul Heng has a degree in Pharmacy and a PhD degree in pharmaceutical technology from NUS. He is currently teaching at the NUS and is the Principal Investigator of GEA-NUS Pharmaceutical Processing Research Laboratory. His research interest is in pharmaceutical technologies, with focus on encapsulation, specialized delivery systems, particle characterization, compaction and oral solids processing. He has published over 260 international refereed research articles and several book chapters among others. He is the editor-in-chief of the Asian J Pharm Sci and member of several other editorial boards.

WORKSHOP PROGRAM
Theory & Practice
0900 – 1800 Hr, 16 – 18 April 2018
Complimentary Networking Dinner
1830 – 2100 Hr, 17 April 2018

Notes:
• Course materials will be supplied.
• Daily lunches and teas will be provided.
• Limited class size. Registration subjected to availability & on a first-come-first-served basis.

Theory:
• Granulation basics
• Granulation technologies and process optimization: high shear, fluid bed, roller compaction, continuous
• Technologies for spheroidization
• Characterization of granule & pellet quality
• Coating & formulation of MUPS tablets

Practice:
• Granulation by FlexStream™ & high shear
• Roller compaction
• Method for estimation of moisture requirement
• Extrusion spheroidization
• Drug layering using nonpareils
• Flow evaluation of granules
• Compaction parameters of granules
• Preparation of MUPS tablets

Demonstration:
• Monitoring blending by NIR

Chinese Proverb
I hear and I forget. I see and I remember. I do and I understand.

Please note: Information provided is only a guide. Workshop contents may be modified due to unforeseen circumstances.

***SPECIAL OFFER***
A complimentary signed copy of Mr Parikh’s book, “How to Optimize Fluid Bed Processing Technology” will be given to all registered before 1 April 2018.