

## **Training School: “Drug delivery and novel characterization approaches” & American Association of Pharmaceutical Sciences (AAPS) – Student Chapter**

The training school involves presentations from eminent academics in manufacturing technologies and analytical characterization techniques. On the second day, lab demonstrations will focus on various formulation and analytical techniques used for the development and characterization of pharmaceutical/biomedical products. At the end of the Training School students will present their research work by delivering podium and poster presentations.

**Posters are welcome from the following areas: formulation, drug delivery and design, chemical sciences, analytical chemistry, nanotechnology, biomedical and biological science.**

**Outstanding posters will be awarded the INTERREG IV A 2seas – AAPS award.**



## Day I (Drug delivery and novel characterization approaches)

8.15 - 9.00	<b>Registration, posters, exhibiting</b>
9:00 - 9:10	<b>Opening speech by Prof. Tom Barnes Deputy VC (University of Greenwich)</b>
9:10 - 09:40	<b>Prof. William Jones (University of Cambridge)</b>  "Engineering and formulation of pharmaceutical cocrystals"
09:40 - 10:10	<b>Prof. Duncun Craig (UCL, London)</b>  "Novel thermal characterization methods of solid dosage forms: Part A"
10:10 - 10:40	<b>Dr Isaac John (NHS, St. Peter Hospital)</b>  "Clinical trials for cardiovascular"
10:40 - 11:00	<b>COFFEE BREAK (POSTERS and EXHIBITION)</b>
11:00 - 11:30	<b>Dr Sheng Qi (University of East Anglia)</b>  "Novel thermal characterization methods of solid dosage forms: Part B"
11:30 - 12:00	<b>Dr Mohammed Maniruzzaman (University of Greenwich)</b>  "Hot Melt Extrusion processing for the development of solid dispersions: a versatile technology"
12:00 - 12:30	<b>Prof. Bernard Martel (University of Lille 1)</b>  "Cyclodextrin in drug delivery systems DDS - an in vitro & in vivo evaluation"
12:30 - 13:00	<b>Dr. Nicolas Blanchemain (University of Lille 1)</b>  "
13:30 - 14:30	<b>LUNCH (POSTERS and EXHIBITION)</b>
14:30 - 15:00	<b>Sheelagh Halsey (ThermoFisher, UK)</b>  "Process analytical technologies (PAT) for the development of solid dosage forms"
15:00 - 15:30	<b>Dr Ian Slipper (University of Greenwich)</b>  "X-ray powder diffraction analysis for the characterization of solid dosage forms"
15:30 - 16:00	<b>Dr Nick Scoutaris (University of Greenwich)</b>  "Novel applications of ink jetting for the development of medical devices"

16:00 – 16:30	<b>Dr Dennis Douroumis (University of Greenwich)</b> “Solid lipid nanoparticles for anticancer delivery”
16.30 - 17.00	<b>END</b>

## Day II: Training on Formulation and Analytical Techniques

Students will be separated into groups of 5 and receive 30 min demonstrations/training on the following techniques:

**Thermal analysis (TA); Spray – drying (SD); High pressure homogenization (HPH); Hot Melt Extrusion/NIR (HME); SEM/EDX analysis (SEM/EDX); Ink Jetting (IJ); Sirius (T3)**

### Training School

Group	TA (Mettler) Room: G231	SD Room: G132	HPH Room: G132	HME (Thermo) Room: G132	SEM/EDX Room: G008	Ink Jetting Room: G133	Sirius Room: G009

- Coffee/ Posters: 10.30 – 11.00; 15.00 -16.00
- Lunch/ Posters: 12.00 - 14.00

## Day 3: AAPS – UoG Student Chapter

8.15-9.00	Registration, poster mounting, exhibiting
9:00 – 9:10	Opening speech  Dr Mohammed Maniruzzaman, Chair of UoG-AAPS Student Chapter (University of Greenwich)  Stacey May (AAPS, USA)
	Student Plenary Talk Session  Chair: Prof. Martin Snowden (Pro VC, University of Greenwich)
9:10 – 9:30	Arvind K. Jain (University of Oxford)  "A novel nanoparticle-in-nanoparticle composite system for the enhanced and prolonged gene delivery"
9:30 – 9:50	Abida Rahman (University of Cambridge)  'Structural and Solubility Studies of an Archetypal Drug Molecule, Triamterene'
9:50 – 10:10	Coline Jumeaux (PhD Student, Imperial College, London)  "Stimuli-Responsive Gold-Silica Hybrid Nanovectors for Combined Cancer Therapy and Imaging"
10:10 – 10:40	<b>COFFEE BREAK (NETWORKING, POSTERS and EXHIBITIONS)</b>
	Students presentation from selected research topic of interests: Session I  Chair: TBC
10:40 – 11:00	Naba Elsaid (PhD Student, UCL, London)  "Sirolimus nanoparticles for potential non-invasive ocular drug delivery"
10:00 – 11:20	Pratchaya Tipduangta (PhD Student, University of East Anglia)  TBC
11:20 – 11:40	Diana Garcia (PhD Student, Medway School of Pharmacy)  "Synthesis and Characterisation of Poly(amidoamine)-BSA conjugates"
11:40 – 12:00	M Usman Ghorri (PhD Student, University of Huddersfield)  " Pharmaceutical Applications of Okra Gum"
12:00 – 13:30	<b>LUNCH (NETWORKING, POSTERS and EXHIBITIONS)</b>
	Students presentation from selected research topic of interests: Session II  Chair: TBC
13:30 – 13:50	Nitesh Kunda (PhD Student, Liverpool J Moore University, UK)  TBC

13:50 – 14:10	Stefania Lattireri (PhD Student, University of Kent) "Development of functional materials as cheap and durable alternatives to natural receptors"
14.10 – 14.30	Anran Hu (PhD Student, Nottingham University) TBC
14.30 – 14.50	TBC
	<b>Presentation from an early career researcher</b> <b>Chair: TBC</b>
14.50 – 15.10	TBC
15.10 - 15.30	Dr Samuel Owusu-ware "Thermally stimulated depolarisation current (TSDC) as a tool in materials characterisation"
15.30 – 16.15	<b>COFFE (NETWORKING, POSTERS and EXHIBITIONS)</b>
16.15 - 16.30	Best poster awards sponsored by TBC
16.30 - 16.45	<b>ENDING NOTE</b>

**registration**

**INTERREG-UoG-AAPS CONFERENCE 2014**

**Accommodation**

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**For further information please contact:**

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