

Formulation
Science & Technology



A subject group of the RSC

Formulation Science and Technology Group Newsletter

FSTG Bursary scheme

The **Gordon J. Tiddy bursary** is an award made for the purpose of assisting in travel to conferences in the UK and overseas. Bursaries are provided solely to offset the costs of travel and accommodation and are normally limited to a maximum of £500. The bursary scheme does not cover meetings organized wholly by the FSTG within the UK, for which alternative grant or discount schemes may be organized by the meeting committee as it sees appropriate.

Applicant Eligibility: Applications may be made by any FSTG member, and will be considered on the basis of merit and need. Applicants must be members of at least six months standing and must not have already received an FSTG travel bursary in the previous 2 years.

Application Process: Applications must be made online using the form on the FSTG website (www.formulation.org.uk) and will be considered by the review panel (the officers of the FSTG) on an *ad hoc* basis; there are no fixed application deadlines. Applicants' attention is drawn to the requirements detailed in the notes on the website by which applications are bound.

Some conditions may be waived at the discretion of the review panel, and applicants are always encouraged to contact the current secretary or chairman of the FSTG for advice. All awards are made at the discretion of the review panel whose decisions are final and binding.

This was MiBio 2012 *Philippe Rogueda and Jan Jezek*

MiBio 2012: Molecular Interactions in Biopharmaceutical Formulations: Can Stability be Rationalised and Predicted? took place on Tuesday 30 October 2012 at the Trinity Centre in Cambridge, UK

This year's theme built on the MiBio 2011 event and explored new aspects of the formulation of biomolecules. Formulation of biotherapeutics, leading to the development of stable and convenient drug products, is a crucial part of the biopharmaceutical process. The stability of biological molecules depends on a complex set of molecular interactions; understanding these interactions is critical for the success of the formulation development. MiBio 2012 gathered world-leading experts from academia and from industry to take us from theoretical predictions of protein behaviour, through probing molecular interactions all the way to solving specific formulation issues of drug product candidates

The formulation of biomolecules is a vibrant field of research as evidenced by the growing number of publications and patents and the number of attendees at the MiBio event. This year we welcomed 20 posters 9 sponsors and exhibitors and the best part of 100 attendees.

We are indebted to all the authors who sent in their abstracts and are contributing to the poster session. We are also very grateful to all the sponsors and exhibitors who joined us, without whose support we cannot hold such meetings. Please visit their websites, they are your partners in formulation see the FSTG website for exhibitor details <http://www.formulation.org.uk/mibio-2012-exhibitor-slides.html>

Allow us to thank as well the remaining committee members of MiBio 2012 who have helped make this event a success: Tejash Shah and Stephen Harding. This event was a joint effort of the Formulation Group of the RSC and the APS.

MiBio 2012 was a one-day event, but discussions started on the day continue on LinkedIn via the FSTG discussion group. We will be hosting an MiBio 2013 event, so watch out for further announcements on LinkedIn and via the FSTG and APS mailing groups

**Molecular Interactions
in Biopharmaceutical Formulations:**
Can stability be rationalised and predicted?

Tuesday 30th October 2012 Trinity Centre, Cambridge, UK

**Future Pharmaceuticals
Innovation in Controlled release
University of Reading 2013, 16th April 2013**

Join us!

It is with great pleasure that the University of Reading hosts the annual UKICRS symposium for the first time in the backdrop of the beautiful Whiteknights campus on Tuesday 16th April.

Previous UKICRS symposia have exceeded participant's expectations, showcasing work in controlled release, pharmaceuticals, drug delivery and drug formulation. A strong focus is put on postgraduates and early-career postdoctoral researchers working in this field and are strongly encouraged to come and participate.

As well as the talks from the two distinguished keynote speakers Prof. Wim Hennik (Utrecht University) and Prof. John Smart (University of Brighton), there are eleven 15-min oral presentation slots up for grabs (get your abstracts in early!), and two poster sessions with students helping to select the best posters.

For more information and details about the UKICRS annual symposium please visit

<http://www.ukicrs.org/symposium/>

Visit our website for details on how to join the Formulation and Science Technology group:

<http://www.formulation.org.uk/join-us.html>

Full membership of the FSTG enables you to attend conferences organised by or with the group at a reduced rate, receive regular updates from the formulation world, participate in the running of the FSTG and its strategy, and be eligible for election to the offices of the group

You can also find us on LinkedIn under the name FSTG.

EcoForm2013

25 – 26 June 2013 - University of Greenwich, Chatham, UK

Ecoform 2013 is a technical conference aimed to promote the exchange of information and experience among scientists and other professionals working in the field of green chemistry and formulation. The topic of green and novel technologies in pharmaceutical, chemical and food industry is of great importance. Novel technologies are of utmost significance in the design of products and processes that reduce or eliminate the use or generation of hazardous substances. One aim of this meeting is to discuss the novel tools available for the material processing and their applications as a substitute to the traditional methods.

This conference is also designed to inform delegates of several upcoming technologies used from the extraction of the raw materials to the formulation of finished product. The programme will consist of a number of invited speakers from industry and academia and talks selected from submitted abstracts. The speaker list includes:

- Supercritical Water - Jawwad Darr (University College London)
- Microwave processing – Vitaliy Khutoryanskiy (University of Reading)
- Green chemistry - Peter Dunn (Pfizer)
- Supercritical CO₂ – Vivek Trivedi (University of Greenwich)
- Ultrasonics – Timothy Mason (Coventry University)
- Radiation Technology – Piotr Ulański (Technical University of Łódź)

Abstract submission: 01 April 2013 Early bird deadline: 01 May 2013

For more details please visit <http://www.formulation.org.uk/ef13home.html>



An event organised by the Formulation Science and Technology Group (FSTG) of RSC and the University of Greenwich in association with RSC Sonochemistry and Industrial Physical Chemistry group.

Forthcoming Events

NanoFormulation 2013

18 - 21st June 2013– The University of Manchester, Manchester, UK

EcoForm 2013

25 - 26th June 2013– The University of Greenwich, Chatham, UK

Formula VII

1 - 4th July 2013– Université de Haute Alsace, Mulhouse, France

For more information on conferences please visit:

<http://www.formulation.org.uk/conferences/upcoming-conferences.html>

**Formulation course - Emulsions: Formulation and Properties
22-28 May 2013 at YKI Facilities, Stockholm, Sweden**

Join this 5–day course and learn about guidelines that will allow you to replace trial-and-error by a rational, time-saving approach to emulsion formulation!

This course is intended for both technical people working in research, development and formulation of emulsions in a large variety of industries as well as researchers and academics interested how current knowledge in surfactant science can be translated into formulation engineering know– how. During the course you will get a basic understanding of the formulation and properties of technical emulsions. The course is divided into two parts:

Part one: Know-how Session (22-24 May) *Lead by Prof. Jean-Louis Salager*

The know-how session is a stand-alone course that covers all relevant background and basic information necessary for a rational formulation of emulsions and the understanding of their properties.

Part two: Hands-on Session (27-28 May) *Lead by: Isabel Mira, and other YKI specialists*

This is a workshop/practical studies session, during which participants will become familiar with important basics and practical aspects of the formulation of emulsions.

For more details please contact the course coordinator Isabel Mira:
Phone: +46 10 516 6064. E-mail: isabel.mira@yki.se

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**Member focus:
Vitaliy Khutoryanskiy**


Organization Reading School of Pharmacy, University of Reading

Job title Reader in Pharmaceutical Materials

Research interests Materials for pharmaceutical, biomedical, food and agrochemical applications. Specifically, water-soluble polymers, hydrogels, nanoparticles, cyclodextrins.

What do you think are the current areas of challenge in the field of Formulation Science Formulating biopharmaceuticals for oral delivery; formulating drugs to penetrate less permeable biological membranes (skin, eye, nails, etc)

Hobbies Collecting postal stamps; travel

Top Tip Don't be afraid to cross boundaries between disciplines

Do you want to contribute?

Would you like to contribute to the FSTG newsletter?

Have you attended an interesting conference, read about some interesting products or want to share your thoughts on formulation science? If so we would love to hear from you!

<http://www.formulation.org.uk/contact.html>

Disclaimer: The views presented in this newsletter do not represent those of the collective memberships of either the RSC or FSTG or individual members. Unless otherwise stated, the views solely represent those of the authors.

<http://www.formulation.org.uk>