



Trends in organic chemistry:

Organic Synthesis at Large Scale

25 April 2013, Medicon Village, Lund

Synthesizing new substances is a common task for organic chemists. For medicinal chemists in particular, but also for chemists active in creating paints, perfumes, pesticides, polymers as well as for academic researchers. The experiments are challenging and time consuming. A successful synthesis is commonly preceded by a number of failures and the product often consists of a small amount of the right substance with acceptable purity.

When up-scaling your reaction, yet another dimension appears - making large quantities (kilos or tons) of the substance. The kinetics can be changed, heating and cooling is impeded and toxicity and fire hazards increase. Waste is a constant issue, so is the economy. Much research performed in the industrial sector is never released to the public, despite the existence of both journals and conferences dedicated to organic synthesis at large scale.

The purpose of this TOC symposium is to discuss certain aspects of organic chemistry at large scale. The invited speakers will talk about bioenzymatic synthesis, catalysis and some case studies.

The organiser hope that the ideas and thoughts of large scale contexts will be interesting and inspiring also for the "normal" every day organic chemists.

Programme & registration
www.tocsymposia.se



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Speakers

From concept to scalable process - new route to a spirocyclic imidazolone drug candidate
Jonathan Graham, GlaxoSmithKline, UK

New processes for the production of corticosteroids
William Heggie, Hovione, Portugal

Avoiding reworks and disasters in organic process research and development
Trevor Laird, Scientific Update, UK

Amibegron - an example of process development for a chiral API
Philippe Vayron, Sanofi, France

Catalysis as a powerful tool towards sustainable production processes for bulk and fine chemicals
Johannes de Vries, DSM, Netherlands

Trends in the adaption of green chemistry - chemical manufacturing methods for 21st century pharmaceutical industries
Andrew Wells, Charnwood Technical Consulting, UK

The TOC is free of charge except for a small fee for lunch which will be paid on site.

Registration is mandatory and can be done at
www.tocsymposia.se
Before 10 April 2013

Organisers: Ola Wendt, Lund University and Johan Wennerberg, DuPont Chemoswed

The division of organic chemistry is a part of the Swedish chemical society, open to everyone with an interest for organic chemistry. The division arranges one or two one day-symposia on important topics within organic chemistry every year. The initiative to these small conferences is taken by active researchers at the Swedish universities. Six or seven internationally well-known scientists in the field are invited to hold key note lectures on their research. These symposia, labelled Trends in Organic Chemistry (TOC) normally attract around one hundred participants. www.tocsymposia.se