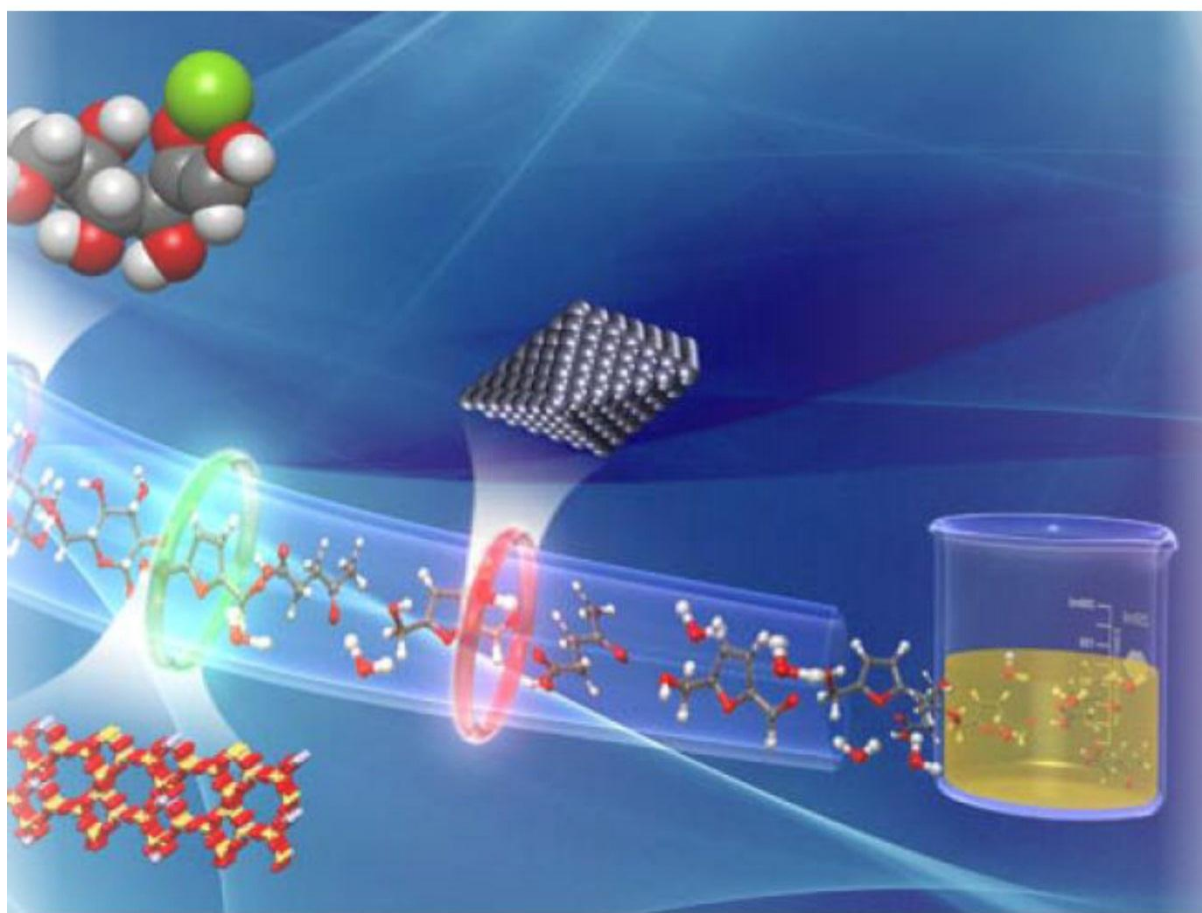


Dial-a-Molecule

An EPSRC Grand Challenge network

**Selectivity, Sustainability, Predictability:
Multi-Disciplinary Issues for 21st Century Catalysis**

An EPSRC **Dial-a-Molecule** Grand Challenge theme meeting



7-8 July 2011

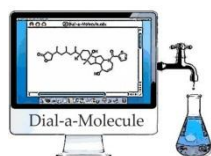
AstraZeneca, Alderley Park, Cheshire, UK

EPSRC

Engineering and Physical Sciences
Research Council

Register online:

www.dial-a-molecule.org/events/



Selectivity, Sustainability, Predictability: Multi-Disciplinary Issues for 21st Century Catalysis

Dial-a-Molecule is a Grand Challenge network funded by EPSRC to promote research aimed at step change in our ability to deliver molecules quickly and efficiently.

How can we make molecules in DAYS not YEARS?

The Catalysis theme of the EPSRC "**Dial-a-Molecule**" Grand Challenge will be running a 2-day meeting at **AstraZeneca's Alderley Park** site on **7-8 July 2011**.

The meeting will be built around three overlapping themes:

- "Engineering control" (improved understanding of catalyst activity, selectivity and longevity),
- "New reactivity in catalysis" (processes that proliferate complexity and functionality simultaneously, by harnessing new reactivity or 're-wiring' existing pathways such as in biocatalysis) and
- "Intervention free synthesis" (cascaded processes, whether by highly selective "one-pot, multi-reaction" processes, or temporally, spatially and/or phase-separated reactions).

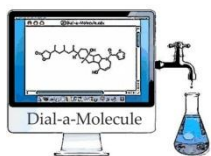
The meeting will involve short, provocative presentations from invited experts from inside and outside the synthetic chemical community (e.g. experts in biocatalysis, engineering, complex kinetics, computational chemistry, spectroscopists/spectrometrists etc) aimed at stimulating discussion. These will be followed by small working groups, the aim of which is to define new areas for study, the resource/teams needed and to put a timeframe on developments. The outputs from the meeting will form an important part of the **Dial-a-Molecule** roadmap.

Due to space issues, attendance at the meeting is restricted to ca. 40 delegates. Applications for the meeting are now invited by completing the attached form.

We particularly welcome applications from workers outside the synthetic catalysis community as outlined above - please circulate this advert to any colleagues within your institutions who you feel may be interested. Successful applicants will be selected so as to maintain a balance between industry and academia, and between the various disciplines represented.

The closing date for applications is **Friday 10th June** and successful applicants will be notified in the following week.

Please note that although **Dial-a-Molecule** will arrange and cover the costs of overnight accommodation and local transport to/from the site, delegates will be responsible for their own travel expenses to/from the meeting.



Selectivity, Sustainability, Predictability: Multi-Disciplinary Issues for 21st Century Catalysis

Personal Details

First Name:

Last Name:

Email:

Phone:

Organization:

Department:

Position:

Address:

Brief description of research area (<100 words)

Areas of interest for new collaborations (<200 words)

I would be willing, if asked, to present a short (10 minute) state-of-the-art summary

☐

Yes

☐

No

Please return by Friday 10th June 2011 to:

Bogdan Ibanescu, Dial-a-Molecule Network Assistant Coordinator.

Email: dialamol@soton.ac.uk

Post: School of Chemistry, University of Southampton, Highfield, Southampton, SO17 1BJ.

AstraZeneca, Alderley Park, Cheshire, UK
7-8 July 2011