

Dial-a-Molecule

An EPSRC Grand Challenge Network

June 2015

Welcome to the June Edition of the Dial-a-Molecule Newsletter. Over the last month we have been busy planning for our Annual Meeting “**Chemical Synthesis in the 21st Century**”, and look forward to welcoming you to the University of Warwick next week. For those of you who weren’t able to make it, keep an eye out in the July Edition for meeting reports and outputs!

In this edition...

- **Chemistry Central Journal launches the Dial-a-Molecule Themed Edition**
- **Dates for your Diaries: Upcoming Dial-a-Molecule Meetings:**
 - Lead-Oriented Synthesis: Exploring Drug-Relevant Chemical Diversity, 25 September 2015
 - Smart Materials: Efficiency, Complexity and Design, 21 October 2015
- **Funding Opportunities:**
 - Dial-a-Molecule Mobility Grants & ECR Travel Bursaries

Connect:



www.dial-a-molecule.org



@DaM_Challenge



Dial-a-Molecule EPSRC
Grand Challenge

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The Grand Challenge is owned by the community and we value your input and feedback, so if there is anything you think the Network should support or get involved in, please get in touch

Chemistry Central Journal

Themed Edition



Dial-a-Molecule are pleased to announce **Chemistry Central Journal (Springer)** have launched the Dial-a-Molecule Thematic Series.

journal.chemistrycentral.com/series/DaM

Dr Charlotte Hollingworth, Publishing Editor at Chemistry Central Journal, explains “as a broad scope open access chemistry journal Chemistry Central Journal aims to present novel research from all fields of chemistry and the interdisciplinary areas that converge with chemistry. A perfect example of the collaborative nature of this field is the Dial-a-Molecule network so we are thrilled to launch a new thematic series that will continuously publish the latest research from the network.”

The Thematic Series is ongoing and encompasses reviews, mini-reviews and research papers spanning the themes of the Dial-a-Molecule Roadmap.

The first two invited papers in the series are now available online (open access):

“Lost in chemical space? Maps to support organometallic catalysis”

Natalie Fey, University of Bristol

“Recent XAS studies into Homogeneous metal catalyst in fine chemical and pharmaceutical syntheses”

Grant J Sherborne and Bao Nguyen, University of Leeds*

If you are interested in submitting an article to this series, please contact either Dr Charlotte Hollingworth (Springer, Chemistry Central Journal) or Dr Kelly Kilpin (Network Coordinator – Dial-a-Molecule)

External Events:

Understanding and Optimising Chemical Processes through Statistical Methodologies

9-11 September 2015, Durham University

A three day course organised and delivered by the Industrial Statistics Research Unit (ISRU) at Newcastle University and the Department of Chemistry at Durham University.

The program will involve a series of workshops involving experimental design, analysis and interpretation of data that explore scoping, screening, optimisation and robustness methods. The event is targeted at scientists, working in industry and academia, and at all scales from research through to manufacturing.

Dial-a-Molecule abroad...

Prof. Richard Whitby gave an invited presentation on “The Dial-a-Molecule Grand Challenge” to the Pre-conference Workshop focused on “[The Academia-Industry Interface in Chemistry and Drug Discovery](#)” at the 16th Tetrahedron symposium in Berlin on 16th June.

Dates for your Diary:

Upcoming Dial-a-Molecule Events

Lead-Oriented Synthesis:

Exploring Drug Relevant Chemical Diversity

25 September 2015, GSK Stevenage

A one day meeting held at GSK Stevenage, including an exciting line-up to speakers and the launch of a new open-source web-based tool for assessing lead-likeness of molecular scaffolds.

Keep an eye on our mailing list for registration details!

Keynote Lecture: *Prof. Jeffrey Bode (ETHZ)*

Invited Lectures: *Dr Ian Churcher (GSK), Prof. Peter O'Brien (University of York), Prof. Steve Marsden (University of Leeds), Prof. David Spring (University of Cambridge) & Dr Jason Kettle (AstraZeneca)*

Smart Materials:

Efficiency, Complexity & Design

21 October 2015, University of Warwick

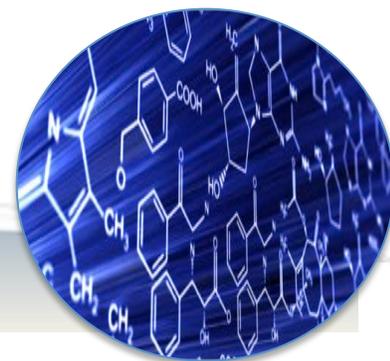
The UK is a global leader in polymer synthesis, and academic activity in the area continues to deliver palpable economic advantage to society. Building on the advances delivered in the use of polymers in smart, functional materials will require a step-change in the synthetic chemistry which underpins the subject; only by ensuring access to new generations of functionalized high-value monomers and delivering improved methods for polymerisation will advances continue.

The EPSRC Grand Challenge Dial-a-Molecule brings together in this event leaders of the UK polymer and synthetic chemistry communities to identify the key challenges, collaborative opportunities and funding consortia to meet the challenges of Smart Materials research.

Confirmed Speakers:

- *Prof. Alan Rowan (Radboud University Nijmegen)*
- *Prof. Cameron Alexander (University of Nottingham)*
- *Dr Matthew Gibson (University of Warwick)*
- *Dr Helen Willcock (Loughborough University)*
- *Dr Francisco Fernandez-Trillo (University of Birmingham)*

Organising Committee: *Prof Joe Sweeney and Prof Rachel O'Reilly*



Funding Opportunities

Dial-a-Molecule Mobility Grants

The activity aims to promote inter-disciplinary and academic-industry collaborations by funding travel and accommodation for short term visits and exchanges. These may involve several people and more than one visit. We expect a typical award to be £1-2000 and we aim to fund up to 40 exchanges over 3 years. Applications may be made at any time and we aim to turn around in < 1 month.

For an application form, please visit the resources tab at:

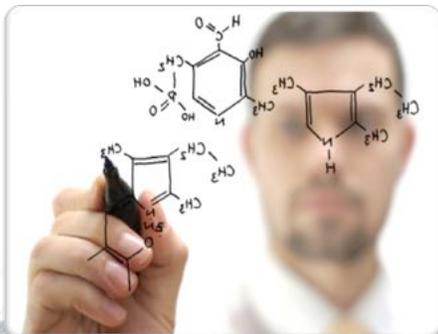
www.dial-a-molecule.org



Early Career Researcher Travel Bursaries

Dial-a-Molecule have bursaries available to help ECR's attend our meetings. These cover travel expenses and accommodation costs and can be applied for on meeting application forms.

Note: ECR's are defined as post-doctoral research fellows and academic staff in the first three years of their first academic appointment.



Dial-a-Molecule Steering Group

PI: Prof Richard Whitby
(University of Southampton)

Co-I: Prof Steve Marsden
(University of Leeds)

Co-I: Prof David Harrowven
(University of Southampton)

Dr Robin Attrill (GSK)

Dr John Clough (Syngenta)

Prof Asterios Gavriliadis (UCL)

Dr Iain Gladwell (Pfizer)

Dr Mimi Hii
(Imperial College London)

Dr David Hollinshead
(STB Associates)

Prof John Leonard
(Royal Society of Chemistry)

Dr Harris Makatsoris
(Brunel University)

Dr Andrew Russell
(University of Reading)

Ms Natasha Richardson (EPSRC)

Mrs Gill Smith
(Gillian Smith Associates)

Prof Joe Sweeney
(University of Huddersfield)

Dr Matt Tozer

Prof Nick Turner
(University of Manchester)