

Supplement #2 March 2015
Monthly Update for the Green Chemistry in Education Network
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Dear Members of the Green Chemistry Community,

Thank you for your submissions. Please remember to send me your position announcements so that we can post them on the Green Chemistry Education Network website (<http://cmetim.ning.com/>).

You can invite others to join this list by forwarding this email with the following instructions: To subscribe, please send an email request to jhaack@uoregon.edu with the subject heading "subscribe green chemistry." As always, please let me know if you would like to be removed from the list.

Quick Summary

TIME SENSITIVE

- Thursday, March 26, 2015
Advancing Green Chemistry Through Business to University Partnerships: Lessons from BASF (GC3 Mainstreaming Green Chemistry Webinar)
Application closing date for Whorrod Research Fellow in Sustainable Chemical Technologies - Centre for Sustainable Chemical Technologies, University of Bath, Bath, UK

- Friday, April 3 – Abstracts due for Pacificchem 2015
Green and Sustainable Chemistry Education for Tomorrow's Citizens of the World (#334)
Sustainable Chemistry: Beyond the Bench (#103)
Advancing Sustainability: Catalyzing Interdisciplinary Scholarship for Green Chemistry (#383)

- Wednesday, June 3, 2015 – Registration closes for *Green Chemistry Camp: Treat the Earth with Respect* (high school)

Advancing Green Chemistry Through Business to University Partnerships: Lessons from BASF (GC3 Mainstreaming Green Chemistry Webinar)

Thursday, March 26, 2015
1:00 PM - 2:00 PM EDT

Register Now: <http://greenchemistryandcommerce.org/events/gc3-webinar-march-26-2015>

Businesses that are moving green chemistry forward often seek out partnerships with governments, non-profit organizations, and universities to help them develop new innovations, find new hires with green chemistry expertise, identify safer alternatives, and more. In this webinar, Chris Hewitt of BASF will talk about that company's approach and experience seeking out and developing partnerships with universities. Based on his own experience, he will touch on the why's and how's of business to university partnerships, provide examples of outcomes, and offer advice to other companies interested in working with universities, and to universities

interested in working with businesses. Speaker: CHRIS HEWITT, Science Relations Manager, North America, BASF

Application closing date for Whorrod Research Fellow in Sustainable Chemical Technologies

Centre for Sustainable Chemical Technologies, University of Bath, Bath, UK

Salary: Starting from £38,511, rising to £45,954 (Fixed Term - 5 Years)

Closing Date: Thursday 26 March 2015

Interview Date: Monday 11 May 2015

Reference: SS2994

The Centre for Sustainable Chemical Technologies (CSCT) is a multidisciplinary initiative led by the Departments of Chemistry and Chemical Engineering at the University of Bath, UK. The CSCT incorporates the EPSRC Centre for Doctoral Training (CDT) in Sustainable Chemical Technologies (SCT) and brings together researchers with expertise across a wide spectrum of applied chemical sciences to establish an infrastructure for interdisciplinary collaborative research with a common theme of sustainability.

We are seeking exceptionally motivated and qualified scientists and engineers as candidates for a five-year Whorrod Fellowship in SCT to build an independent research career and become a leader in their chosen field. The Fellow appointed is expected to be a strong candidate for a permanent academic post during the course of their fellowship.

For full details and to make an

application: <http://www.bath.ac.uk/jobs/Vacancy.aspx?ref=SS2994>

For more information on the CSCT and the CDT: <http://www.bath.ac.uk/csct/>

Pacificchem 2015 – Abstracts Due Friday, April 3, 2015

Website: <http://www.pacificchem.org>

Abstract submission instructions and guidelines: <http://www.pacificchem.org/technical-program/abstracts/>

The 2015 International Chemical Congress of Pacific Basin Societies (Pacificchem), will take place in Honolulu, Hawaii, USA, December 15-20, 2015. The conference is sponsored jointly by the American Chemical Society (ACS), the Canadian Society for Chemistry (CSC), the Chemical Society of Japan (CSJ), the New Zealand Institute of Chemistry (NZIC), the Royal Australian Chemical Institute (RACI), the Korean Chemical Society (KCS), and the Chinese Chemical Society (CCS). The American Chemical Society is the host society for the 2015 Congress.

Pacificchem 2015 will be the seventh in the series of successful cosponsored scientific conferences of Pacific Basin Chemical Societies. Founded in 1984, these conferences have been held in Honolulu, Hawaii about every five years.

The Pacificchem 2015 Theme: The theme of Pacificchem 2015 is Chemical Networking: Building Bridges Across the Pacific, emphasizing the collaborative nature of chemistry as a multidisciplinary science and the opportunities to network with Pan-Pacific research groups at the Pacificchem meetings.

Symposia

Green and Sustainable Chemistry Education for Tomorrow's Citizens of the World

(#334) James Jackson | Fuping Zheng | Rui Resendes | Dalila Kovacs | Kei Saito

Green chemistry education is an opportunity to prepare tomorrow's citizens of the world for the sustainability challenges our planet faces. This Symposium strives to bring together industrial and academic scientists and chemical educators who are engaged in promoting an understanding of Green Chemistry and Sustainability at all stages of education. Examples include, but are not limited to, strategies for: reaching current and future secondary school teachers; bringing sustainable chemistry to the attention of public policy makers; teaching the non-scientist via Green Chemistry education seminars and coursework; and promoting a chemical understanding for people with limited scientific training. The Symposium organizers hope to attract points of view from educational institutions, industrial educational programs, initiatives from NGO's, and from Green Chemistry Centers from around the world.

Sustainable Chemistry: Beyond the Bench (#103) Martin Abraham | Michael Gonzalez | Philip Jessop | Milton Hearn

Sustainability concepts have infiltrated chemistry. Sustainability and its implementation are increasingly important in the marketplace, in our society, and throughout everyday activities. Chemists frequently approach sustainability from a very narrow perspective, without consideration of the life cycle implications associated with process development or changes. In many cases, process improvements have focused exclusively on the manufacturing stage, solely taking into account the cost of goods, minimised CAPEX and OPEX requirements and existing regulatory compliance regimes. Future advances require that we build upon chemical and biological advances, such as the toxicological sciences that describe how chemicals, by-products, and degradation products exert adverse effects upon biological organisms and the ecosystem, and determine the fitness for purpose, the social license to operate and ultimately the economic sustainability of the manufacturer within the specific chemical industry sector. The focus of this symposium is to provide attendees with the opportunity to see where these interdisciplinary concepts contribute to chemical design, synthesis, process and use. Specific topics within the symposium include: a) Sustainable Molecular Design; b) Design for the environment and fitness-of-purpose in the 21st century; c) Life Cycle Assessment / Impact Assessment; d) Sustainability Metrics; and e) Interdisciplinary Case studies.

Advancing Sustainability: Catalyzing Interdisciplinary Scholarship for Green Chemistry (#383) Robert Peoples | Steve Maguire | Milton Hearn

Green chemistry may be a science but its implementation in industry, or not, will result from the interplay of social processes traditionally theorized by business school researchers, legal and policy scholars, historians, economists and political scientists as well as scholars of science and technology. If implementation is the goal, understanding green chemistry as well as its social context from multiple perspectives can yield valuable insights. This session provides a forum for exemplifying the initial implementation of green/sustainable chemistry in both academic and industrial settings and overlays a discussion of how green/sustainable chemists interact with social scientists interested in green/sustainable chemistry and to share their research results as well as to network with each other.

Ultimately it is the commercial practice of green chemistry that will enable the transition to a more sustainable planet. Commercial scale implementation is gaining global traction and the role of social science in enabling this transition will be critical to the pace of change and

acceptance. This symposium will enable a rich dialog at the interface of the physical and social sciences.

Wednesday, June 3, 2015 – Registration closes for *Green Chemistry Camp: Treat the Earth with Respect* (high school)

Coordinated by Dr. Tsvetanka Filipova

South Dakota School of Mines and Technology.

Email: Tsvetanka.Filipova@sdsmt.edu

Date: July 27 - 31, 2015

Cost: \$975

Camp is for students ages 14-18

Registration dates: Mar 1, 2015 - Jun 3, 2015

This week-long summer program offers a perfect combination of innovative hands-on curriculum and fun! The camp is designed to provide an opportunity for talented high school students to experience science in action. Through hands-on experiments and discussions, the Green Chemistry camp seeks to instill an enthusiasm and appreciation of the role of chemistry in everyday life and to promote a knowledgeable understanding of scientific issues.

The program emphasizes hands-on chemistry and discussions as a means of helping students develop powers of observation, problem solving approaches, and will stimulate scientific curiosity while encouraging campers to exercise their cognitive skills.

Green Chemistry brings about a fundamental difference in perspective of chemical processing. It is the cutting edge of the chemical industry today and promises to change our lives for the better by evaluating environmental concerns. Developing alternative sources of safer, cleaner, renewable energy is among the goals of green chemistry. Green chemistry also approaches chemistry from perspective of sustainability. Green chemistry strategies shift society's dependence on petrochemicals as the basis for most manufactured materials toward alternative chemical options. A basic knowledge of green chemistry and sustainability provides an understanding of how the synthetic world of the chemist may best interface with the natural world.

The information for the camp can be found on:

<http://www.sdsmt.edu/Academics/Events-and-Outreach/Youth-Programs/Camps-and-Courses/Green-Chemistry/>

The registration for the summer camp is open. This is the direct link for the registration:

<https://www.online-registration-system.com/sd/sdsm&t/>

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