

Berkeley Center for Green Chemistry Newsletter

First mobile app for green chemistry fosters sustainable manufacturing of medicines

Mention mobile applications, or mobile apps, and people think of games, email, news, weather, productivity and other software for Apple, Android and other smart phones and tablet computers. But an app with broader impact — the first mobile application to foster wider use of the environmentally friendly and sustainable principles of green chemistry — is the topic of a report in the American Chemical Society's new journal, [ACS Sustainable Chemistry & Engineering](#). Their [article](#) describes a guide on doing so for solvents, key ingredients in processes for making medicines. Some traditional processes generate 25-100 times more waste than the chemical they are making (e.g., pharmaceuticals). The solvents guide was developed by the ACS Green Chemistry Institute's Pharmaceutical Roundtable, a group of 14 pharmaceutical companies. Download the app now for [iphone](#) or [android](#).

Grass Roots Green Chemistry Program at Genentech

It is exciting to see green chemistry programs being adopted by one of the Bay Area's largest Biotech companies. The story of their initiative is a great example of the green chemistry community coming together to contribute to building grass roots efforts at companies and colleges around the country.

In Fall of 2011, folks at Genentech invited Buzz Cue to give a talk on Green Chemistry at their annual EHS BioPharma forum. Shortly thereafter, they met with Jill Kauffman Johnson, who runs the [Chemical Strategies Partnership](#) and she put them in touch with Keith Alexander and Marty Mulvihill who're doing [green chemistry at UC Berkeley](#). Keith and Marty gave two intro talks to our the Genentech [Green Genes Team](#). Then in October our Sustainability Manager introduced us to a recent PhD in Chemistry, who'd done an internship in one of Genentech's research labs and also attended the [Green Chemistry Summer Institute](#). Genentech hired her in November as our first green chemistry/green biopharma project manager.

Fast forward a year later: Genentech has a cross-departmental Green BioPharma steering committee, they are leading an industry effort to develop green biopharma, and thier Corporate Relations team wants to do a video clip on the new green biopharma program at Genentech. To learn more about their effort, the video is now available on [youtube](#).

2013 ACS Summer School on Green Chemistry and Sustainable Energy (Application deadline: March 18, 2013)

This year's Summer School will be held July 22 through July 29, 2013 at the Colorado School of Mines in Golden, Colorado. The goal of the experience is to explore scientific solutions to global challenges and program highlights include presentations by leading researchers in sustainability and green chemistry, collaborative problem solving

scenarios, laboratory experiments and opportunities to share your own research. The Summer School will host graduate students and postdoctoral scholars studying in the Americas. Applicants should be interested in developing collegial relationships that will result in future collaborations. There are no program fees! Transportation, meals, and housing are provided. The application deadline is March 18, 2013. If you have questions or need more information, please contact gceducation@acs.org. Additional information on the Summer School may be found at <http://www.acs.org/gcsummerschool>

Sustainable Remediation Forum (SURF) 22 - February 26-27, 2013 - UC Berkeley

Join us for SURF 22, scheduled for February 26-27, 2013, at the University of California at Berkeley's Clark Kerr campus. The meeting is co-hosted by the Berkeley Water Center. Registration fees are waived for all Cal students! Please share the attached student outreach flyer and agenda with your colleagues and students. Register [here](#).

US Green Building Council is now offering internships as Postdoctoral Fellows

The goal of this position is to advance the understanding and application of information about the constituents, characteristics, and impacts of building materials. Use this information to contribute to the development of science-based guidelines, metrics, and criteria for the specification of building materials in green building rating systems. You can find more details [here](#).

McGill University seeks an internationally recognized leader in Green Chemistry

McGill University seeks an internationally recognized leader in Green Chemistry to fill the Canada Excellence Research Chair (CERC) in Green Chemistry and Green Chemicals. Launched in 2008, the [CERC program](#) supports Canadian universities in their efforts to build on Canada's growing reputation as a global leader in research and innovation. The program awards world-renowned researchers and their teams up to \$10 million over seven years to establish ambitious research programs at Canadian universities. To find out more information or submit an application contact the department chair, Bruce Lennox, Bruce.Lennox@McGill.ca.

Upcoming Events and Conferences

1. [BioFuels Conference at Berkeley](#): - March 27-28th
2. EU Center for Excellence at Berkeley: Energy Policy talk hosted by Meg and Alastair. (email them for more details. The event is on March 12 in Moses?)
3. Flame Retardant Symposium: It's all about Flammability Standards
April 12th 8:30am - 4:00pm, 150 University Hall, UC Berkeley, California
To attend, please register [here](#).
4. Sustainable Business Practices Conference- April 25th-April 26th in Portland, Oregon.
5. "Alternatives Assessment and Risk Reduction Guidance with Alex Stone"
February 27th online at <http://migreenchemistry.org/>

6. 2nd Annual Safer Products Summit- April 2nd-4th. To register, please visit www.infocastinc.com/saferproducts13