Welcome to the monthly IOS Newsletter. We hope that this will serve to keep our community informed on the events and happenings around the IOS.

**Academic/Research**

Prof. Dwight Seferos reports first synthesis of solution-suspendable hollow gold nanotubes

The Materials Research Society (MRS) Bulletin recently reported on the first-known successful synthesis of solution-suspendable hollow gold nanotubes. This discovery by IOS faculty member Prof. Dwight Seferos’ research group, will open the door to further development and study of these nanostructures, particularly in applications that require a high sensitivity to subtle changes in refractive index, such as sensing and imaging. The full article is available here.

**Awards and Recognition**

**VertoNova’s Arash Zarrine-Afsar awarded $25,000 at OCE Discovery 2012**

We are excited to announce that IOS resident VertoNova has been awarded $25,000 as part of the Experiential Learning Competition that took place during OCE Discovery 2012. Dr. Arash Zarrine-Afsar, a co-founder of VertoNova, presented the company’s DIVE-PI technology that allows quantitative and multiplexed sample ionization for mass spectrometry. More information on VertoNova is available on their website. Congratulations Arash and the entire VertoNova team!

**Prof. Joshua Milstein to receive Connaught New Researcher Award**

IOS faculty member Prof. Joshua Milstein has been selected to receive a Connaught New Researcher Award in the amount of $50,000. Milstein, an assistant professor in the Department of Chemical and Physical Sciences and the Department of Physics, will focus on how the mechanics of DNA effect genetic function. “The research has the potential to advance our understanding of how cells work, with huge implications for how we approach health and disease,” he says. Find out more about the award.
IOS participates in World’s Largest Business Mentoring Event

The recent OCE Discovery 2012 conference featured a Guinness World Record setting business mentoring event where 328 mentors and proteges were able to work their way through 24 rounds of 3 minute speed-networking sessions. A number of those mentors and proteges came from the IOS and IOS affiliated companies, including IOS Director Prof. Cynthia Goh, Pueblo Science founder Dr. Mayrose Salvador, Lunanos Inc. co-founder Leo Mui, Breq Labs founder Dr. Martin Labrecque, and others. Check out the OCE [website](https://oce.utoronto.ca) for more information on the record setting event.

**Entrepreneurship**

Techno2012 begins June 18

Starting June 18th, the IOS will launch the third annual Techno workshop for aspiring technopreneurs — current and recent science and engineering students interested in creating innovative solutions to today’s pressing problems, and to make these solutions available in society. During the month-long workshop, teams of young scientists and engineers are taught the fundamentals of entrepreneurship and apply these lessons in a hands-on environment to translate their scientific discoveries into products and services. The highly successful inaugural Techno2010 culminated in the formation of 10 new companies and last years’ Techno2011 created an additional 10. Watch out for more info on the Techno2012 teams!

Opening soon: Best-IOS expansion

As the IOS grows with ever more companies and innovation fellows, we are in the process of expanding into newly renovated space in the Best Institute at College St. and University Ave. With the move slated for June 8th, the whole 4th floor will provide additional space for our entrepreneurs to apply their physics, chemistry, electrical engineering, and other technical backgrounds to build prototypes and develop formulations in new wet and dry labs, office space, and meeting rooms. We would like to thank Prof. Scott Mabury, Vice-President University Operations, University of Toronto President Dr. David Naylor, the IOS team and everyone else who provided terrific support for this exciting initiative. Check out the IOS [website](https://ios.utoronto.ca) for some pictures and look out for more news as we move in!

IOS Fellows get funding renewal

Congratulations to 4 of our IOS Innovation Fellows, Dr. Mallika Das, Dr. Michael Montgomery, Dr. Martin Labrecque and Dr. Arash Zarrine-Afsar who recently had their funding renewed by Mitacs. This funding will allow these entrepreneurs to continue development of their innovative products; eco-friendly wood preservatives, vibration dampeners for high-rise buildings, high-speed custom computer modules, and quantitative ion source for mass spectrometry, as well as grow their companies. Many thanks to Mitacs for their partnership in this program and look out for new developments from these entrepreneurs.