NANO Boston Conference

April 22-24, 2019
Boston, MA, USA

Venue
Crowne Plaza Boston - Newton
320 Washington St, Newton, MA 02458, United States
Welcome Message

United Scientific Group (USG) cordially invites all the participants from around the world to attend Fifth International Conference on Nanotechnology “NANO Boston Conference” during April 22-24, 2019 in Boston, MA (NWC Boston).

USG successfully concluded three annual meetings on Nanotechnology; First International Conference on Nanotechnology “NanoWorld Conference” in Boston, MA, USA during April 4-6, 2016 (NWC-2016), Second Edition in Boston, MA, USA during April 3-5, 2017 (NWC-2017) and Third Edition in San Francisco, CA, USA during April 23-25, 2018 (NWC-2018). The fourth edition of NanoWorld Conference is scheduled in March 04-06, 2019 in Paris, Europe (NWC Paris). With the enthusiasm and prodigious success of three annual conferences, USG is proudly announcing the Fifth edition, NWC Boston.

NANO Boston Conference (NWC Boston) aims to provide high-quality current reports of scientific progress and best practices in the field of Nanotechnology through its invited presentations, submitted oral and poster abstracts. The conference is designed to encourage the exchange of ideas across a broad range of disciplines.

The primary goal of NWC Boston is to present state-of-the-art research, recent achievements and global trends in nanoscience and nanotechnology, also to promote cross-disciplinary interactions that can spur the development of this exciting research field. Special emphasis will be placed on energy materials and applications, nano-biotechnology, health and environmental safety of nanomaterials and specific techniques to develop nano-devices.

The conference will witness important presentations by the extensive range of eloquent speakers, policy makers and scientific leaders from around the world; who will assemble in Boston with the common objective of making this world a better place by providing the solution to the problems.

NWC Boston welcomes all participants, contributors, and speakers to the outstanding conference and welcomes to the City of Boston for the hospitality.

Organizing Committee

Mostafa El-Sayed
Georgia Institute of Technology, GA, USA

Stephen D. Miller
Northwestern University Medical School, IL, USA

Ahmed A. Busnaina
Northeastern University MA, USA

Hai-Feng (Frank) Ji
Drexel University PA, USA

Chuan-Jian Zhong
State University of New York at Binghamton NY, USA

Hari Shanker Sharma
Uppsala University Sweden

Caroline Sunyong Lee
Hanyang University South Korea

Ian C. Hsu
National Tsing Hua University, Taiwan
Plenary Talk

John Charles Polanyi
Nobel Laureate, 1986, University of Toronto, Canada

Title: STILL PLENTY OF ROOM AT THE BOTTOM; Surface Aligned Reaction Suggests New Paths to Nanofabrication

John Charles Polanyi, (born Jan. 23, 1929, Berlin, Ger.), chemist and educator who, with Dudley R. Herschbach and Yuan T. Lee, received the Nobel Prize for Chemistry in 1986 for his contribution to the field of chemical-reaction dynamics. Born to an expatriate Hungarian family, Polanyi was reared in England and attended Manchester University (Ph.D., 1952; D.Sc., 1964). He accepted a research position with the National Research Council of Canada in 1952 and began teaching at the University of Toronto in 1956, accepting the title of university professor in 1974. Polanyi developed a technique that is known as infrared chemiluminescence based on the observation that molecules, when excited, emit infrared light. By means of spectroscopic analysis of the changes in emitted light that take place during a chemical reaction, he was able to trace the exchange of chemical bonds, thus helping to detail the disposal of excess energy that occurs during the process of chemical reaction.

Keynote Speakers

STEPHEN D. MILLER
Northwestern University Medical School, IL, USA

Dr. Miller is internationally known for his research on pathogenesis and regulation of autoimmune diseases and is co-inventor of the Cour toleragenic immune modifying particle technology platform. Dr. Miller is the Judy E. Gugenheim Research Professor of Microbiology-Immunology at Northwestern University Feinberg School of Medicine in Chicago. He is a consultant to a number of biotechnology and pharmaceutical companies, having assisted in the development of three new chemical entities from proof of concept through to Phase 3 testing. He has served or currently serves on grant review panels for the National Institute of Health, the National MS Society, the Immune Tolerance Network and the Juvenile Diabetes Research Foundation and on the editorial boards of multiple journals. He received his Ph.D. in 1975 from the Pennsylvania State University and did postdoctoral training at the University of Colorado Health Sciences Center before joining the faculty at Northwestern in 1981.

AHMED A. BUSNAINA
Northeastern University, MA, USA

Ahmed A. Busnaina, Ph.D. is the William Lincoln Smith Chair Professor and Director of NSF Nanoscale Science and Engineering Center for High-rate Nanomanufacturing and the NSF Center for Nano and Microcontamination Control at Northeastern University, Boston, MA. He specializes in Nanoscale defects removal, mitigation and characterization, chemical and particulate contamination in semiconductor processes and in the fabrication of micro and nanoscale structures. He authored more than 420 papers in journals, proceedings, and conferences. He serves on the editorial advisory board of the Semiconductor International Magazine, the Journal of Particulate Science and Technology and the Journal of Environmental Sciences. He is a fellow of the American Society of Mechanical Engineers, and the Adhesion Society, a Fulbright Senior Scholar in addition to numerous listings in Who’s Who (in the World, in America, in science and engineering, etc.)

To know more about NWC Boston’s featured speakers, log in to: http://nanoworldconference.com/
Mark your presence and meet your peers!

The conference helps you to...

1. Discover state-of-the-art research: Gain insights about the latest science and enhance your knowledge beyond your scientific field of interest with a robust scientific program, a new path that links and organizes selected sessions into cross-disciplinary themes.

2. Exceptional visibility for science: The conference draws both luminaries in their fields and up coming talent. The meeting will attract active participants including students, academicians, policy makers and other high level decision makers. With this varied kind of participation comes plenty of opportunities to seek out funding for new research and get quality feedback before publishing your research in a peer-reviewed journal.

3. Network with your peers: The meeting offers abundant opportunities to connect with your colleagues from various backgrounds and regions. Boost up your network with the peers at the opening ice breaker reception and connect with people who specialize in your field during daily networking breaks.

4. Give leads to your career: International Conference on NANO Boston Conference-2019 (NWC Boston-2019) can help you to achieve your career goal and increase your worth to potential employers.
**Important Dates**

- Conference Dates: **April 22-24, 2019**
- First Round Abstract Submission Ends: **August 14, 2018**
- Early Bird Registration Ends: **August 31, 2018**
- Second Round Abstract Submission Ends: **October 25, 2018**
- Mid Registration Ends: **December 11, 2018**
- Third Round Abstract Submission Ends: **February 05, 2019**
- Late Registration Ends: **February 28, 2019**
- Final Registration: **April 22, 2019**

**Special Features**

- Panel discussions
- Interactive poster session
- Interdisciplinary Agendas
- Alliances
- Guidance from accomplished individuals
- Networking Amplifications
- Emerging Researchers Forum (ERF) for Post Docs and PhDs
- Poster Competition for Students
- Student Fellowship

### Registration

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**Academics**
- Oral Presentation
- Poster Presentation
- Delegate

**Industry/Company**
- Oral Presentation
- Poster Presentation
- Delegate

**Students: Post-Doc/Ph.D**
- Oral Presentation
- Poster Presentation
- Delegate

**Students: Masters/Graduates**
- Poster Presentation
- Delegate

### Accommodation: April 21-23, 2019 (3 Nights)

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<td><strong>$ 600</strong>*</td>
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* Subjected to change as per room availability at group discounted rates

**To register online:**
http://nanoworldconference.com/register.php

**Registration includes:**
- Access to main conference sessions, exhibits, poster sessions and round table discussions
- Conference material  
- Tea / Coffee breaks, lunch during the conference days
- Meeting attendees reduced parking

**Accommodation includes:**
For delegates who are accommodated in Crowne Plaza Boston - Newton, Boston, MA, USA
- Complimentary Wi-Fi in the guest rooms  
- Complimentary Full American breakfast
- Reduced parking rate per night
Support the event and take the advantage of getting connected with your target audience!

The United Scientific Group (USG) organizes interdisciplinary international conferences to showcase on cutting-edge basic and applied research outcomes within life sciences including medicine and other diverse role of science and technology in society.

**NWC Boston** is three-day conference and will give attendees a chance to interact, learn, and engage with the business leaders and industry’s foremost researchers, while tackling the pressing issues that face the new generation. Participants will be top level representatives from sectors like prominent commercial; regulatory; scientific organizations and academic institutes.

USG offers several opportunities for sponsors to demonstrate their support towards science and its people by providing financial contributions to facilitate the presentations of noble research findings, hospitality and other necessary management for the scientific gathering.

### Sponsorship Opportunities

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Venue and Location:
Crowne Plaza Boston - Newton
320 Washington St, Newton, MA 02458,
United States
Phone: +1 617 969 3010

Boston Attractions
♦ Freedom Trail
♦ Faneuil Hall
♦ Boston Common and Public Garden Swan Boats
♦ Beacon Hill
♦ Harvard Square and Harvard Art Museums
♦ Harvard Museums and the Glass Flowers
♦ Copley Square
♦ Fenway Park
♦ Museum of Fine Arts Boston
♦ Isabella Stewart Gardner Museum
♦ Boston Pops and Boston Symphony Orchestra
♦ Boston Harbor
♦ New England Aquarium
♦ Museum of Science
♦ John F. Kennedy Presidential Library and Museum