

Current Issues in Medicine, Biotech and Pharma

12th Annual International Conference ♦ September 17-18, 2014

Rensselaer Polytechnic Institute Troy, New York ♦ Biotech Center Main Auditorium

Free Conference ♦ No Registration Required ♦ Live Streaming

September 17, 2014

Welcome and Introductions – Noon

Susan P. Gilbert, PhD
Professor and Head, Department of Biological Sciences, Rensselaer (Troy, NY)

Deepak Vashishth, PhD
Director, Center for Biotechnology and Interdisciplinary Studies; Professor, Department of Biomedical Engineering, Rensselaer (Troy, NY)

Keynotes: 12:20pm – 1:20pm

Dilemmas in Needle-Free Technologies for Drug Delivery – Current Issues

Marianna Foldvari, PhD, DPharmSci
Canada Research Chair in Bionanotechnology and Nanomedicine; Professor of Pharmaceutical Sciences, University of Waterloo (Canada)

Advancing Key Concepts from the Bench to the Bedside via Nanobiotechnology

Shaker A. Mousa, PhD, MBA
Vice Provost for Research & Professor of Pharmacology, Albany College of Pharmacy and Health Sciences; Chairman & Executive Vice President, The Pharmaceutical Research Institute (Rensselaer, NY)

Session I: 1:20pm – 2:45pm

Moderator: Glenn Monastersky, MS, PhD, Director of Operations, Center for Biotechnology and Interdisciplinary Studies; Professor of Practice, Department of Biomedical Engineering, Rensselaer (Troy, NY)

Current Trends in Stem Cell Research

Glenn Monastersky, MS, PhD
Director of Operations, Center for Biotechnology & Interdisciplinary Studies; Professor of Practice, Department of Biomedical Engineering, Rensselaer (Troy, NY)

Synthetic Biology to Build Communication and Collaboration in Microbial Consortia

Cynthia Collins, PhD
Associate Professor, Department of Chemical & Biological Engineering, Rensselaer (Troy, NY)

Multiple Sclerosis Treatment with Copaxone® in the Era of Biosimilars

Raj Bawa, MS, PhD
Patent Agent, Bawa Biotech LLC (Ashburn, VA); Scientific Advisor, Teva Pharma (Israel); Adjunct Professor, Rensselaer (Troy, NY); Vice Chair, Nanotech Committee, ABA (Chicago, IL)

How an Inexpensive Protein Amplification System can Disrupt the Diagnostic Market

Neil Gordon, MBA, PE
President, Guanine Inc., Montreal (Canada)

Young Scholar Award Ceremony + Presentation: 2:45pm – 3:15pm

Sponsored by Dove Medical Press and presented by Dr. Thomas J. Webster, Editor, International Journal of Nanomedicine; Chair and Professor, Department of Chemical Engineering, Northeastern University (Boston, MA)

Medicine for a Broken Heart: Therapeutic and Diagnostic Materials to Treat Cardiovascular Disease

John Stendahl, MD, PhD
Cardiology Fellow, Yale University School of Medicine, Translational Imaging Center (New Haven, CT)

Non-invasive Gene Therapy for Glaucoma – Current Issues

Ding Wen (Roger) Chen
PhD Student, University of Waterloo School of Pharmacy (Canada)

 **Conference Chair's Closing Remarks + Group Discussion + Raffles: 3:15pm – 3:30pm**

Networking Reception: 3:30pm – 4:30pm (Light Food + Cash Bar)



Live Streaming

The Center for Professional Advancement (CfPA) is proud to present the LIVE streaming of this international conference. To attend via streaming video, go to www.cfpa.com and click on the conference banner to complete your registration.

Organizing Committee

Susan P. Gilbert - Rensselaer (Troy, NY)
Glenn Monastersky - Rensselaer (Troy, NY)
Chandran Iyer - Sughrae (Washington, DC)
Brian E. Reese - Choate (Boston, MA)
Raj Bawa - Bawa Biotech; Rensselaer (Troy, NY)



SPONSORS



CHOATE



MEDIA PARTNERS



American Society For Nanomedicine



WILEY



September 18, 2014

Keynotes: 11am – Noon

Nanomedicine Under the Microscope – Current Issues

Raj Bawa, MS, PhD

Patent Agent, Bawa Biotech LLC (Ashburn, VA); Scientific Advisor, Teva Pharma (Israel); Adjunct Professor, Rensselaer (Troy, NY); Vice Chair, Nanotech Committee, ABA (Chicago, IL)

Is Nanotechnology Toxic? Was Prince Charles Correct?

Thomas J. Webster, MS, PhD

Editor, International Journal of Nanomedicine; Chair and Professor, Department of Chemical Engineering, Northeastern University (Boston, MA)

Session I: Noon – 1:15pm

American Bar Association Session on Science and Technology Law

Moderator: Brian Reese, PhD, JD, MBA, Associate, Choate (Boston, MA); Vice Chair, Nanotech Committee, ABA (Chicago, IL)

Profiting from the Fruits of Your Research: Six Legal Pitfalls to Avoid

Eileen S. Ewing, MA, MPhil, JD

Co-Chair, Life Sciences Division, ABA Section of Science & Technology Law (Chicago, IL)

The Hatch-Waxman Act and its Applicability to the Biotech Industry – Current Issues

Andrew P. Ritter, JD

Associate, Sughrue Mion PLLC (Washington, DC)

Changing the Way Innovation is Financed on Wall Street – Current Issues

Scott B. Livingston

Chief Executive Officer, Livingston Securities (New York, NY)

Critical Strategies for Obtaining Patent Protection in Today's Global Economy

James E. Spencer, Jr.

Executive Director, Rensselaer Technology Park, Real Estate and New Venture Development; Acting Director, Office of Intellectual Property, Technology Transfer and New Ventures, Rensselaer (Troy, NY)

Networking Lunch + Raffles: 1:15pm – 2:15pm

Session II: 2:15pm – 4:00pm

Moderator: Raj Bawa, MS, PhD, Patent Agent, Bawa Biotech LLC (Ashburn, VA); Scientific Advisor, Teva Pharma (Israel); Adjunct Professor, Rensselaer (Troy, NY); Vice Chair, Nanotech Committee, ABA (Chicago, IL)

Future of Hybrid Biomedical Imaging

Ge Wang, PhD

Clark & Crossan Endowed Chair Professor; Director, Biomedical Imaging Center/Cluster, Rensselaer (Troy, NY)

Clinical use of Iron Oxide Nanoparticles in Chronic Kidney Disease – Current Issues

Amy Barton Pai, PharmD

Associate Professor of Pharmacy Practice; Director, ANephRx Core Laboratory; Chair, NYS CKD Coalition, Albany College of Pharmacy and Health Sciences (Albany, NY)

Mechanisms of Alzheimer's Disease – Current Issues

Chunyu Wang, MD, PhD

Associate Professor, Department of Biological Sciences, Rensselaer (Troy, NY)

Molecular Medical Devices to Stabilize and Repair Tissue – Current Issues

Rutledge Ellis-Behnke, PhD

Director, Nanomedicine Translational Think Tank, Department of Ophthalmology, Medical Faculty Mannheim, Ruprecht-Karls-University (Heidelberg, Germany) and Research Affiliate, MIT (Cambridge, MA)

Complement Activation-Related Pseudoallergy: A Stress Reaction in Blood

János Szebeni, MD, PhD, DSc

Professor, Department of Nanobiotechnology, Miskolc University (Budapest, Hungary); Professor and Head, Nanomedicine Research and Education Center, Semmelweis University School of Medicine (Budapest, Hungary)

Special Lecture 4:00pm – 4:20pm

Hudson Mohawk Gateway & RPI – A Historical Timeline

Charles W. Boylen, PhD, Professor, Department of Biological Sciences, Rensselaer (Troy, NY)



Conference Chair's Closing Remarks 4:20pm



Speaker Dinner – 5:30pm