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

Keynotes: 12:15pm – 1:15pm
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 Bedside via Nanobio
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: 1:15pm – 2:40pm
Moderator: Glenn Monastersky, MS, PhD, Director of Operations, Center for Biotechnology & 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)

September 17, 2014

Keynote: 11am – 11:30am
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)
Keynote: 11:30am – Noon
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 – 1:00pm
American Bar Association Session on Science and Technology Law
Moderator: Brian E. Reese, PhD, JD, MBA, Associate, Choate Hall & Stewart LLP (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)

Networking Lunch: 1:00pm – 1:45pm

Raffles: 1:45pm – 2:00pm

Session II: 2:00pm – 3:40pm
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 and Regenerative Medicine, Miskolc University (Budapest, Hungary); Professor and Head, Nanomedicine Research and Education Center, Semmelweis University School of Medicine (Budapest, Hungary)

Group Discussion with Audience: 3:45pm – 4:00pm

Special Lecture 4:00pm – 4:20pm
Hudson Mohawk Gateway & RPI – A Historical Timeline
Charles W. Boyle, PhD
Professor, Department of Biological Sciences, Rensselaer (Troy, NY)

Conference Chair’s Closing Remarks 4:20pm

Speaker Dinner – 5:30pm
Sponsored by Bawa Biotech LLC (Ashburn, VA)