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Dr. Raj Bawa

Nanotherapeutics in Humans – A Survey

Presented by: Dr. Raj Bawa, Adjunct Asst. Prof. at Rensselaer Polytechnic Institute, Troy, NY and President of Bawa Biotechnology Consulting, LLC, a biotechnology and patent law firm based in Ashburn, VA.

Dr. Bawa is the author of over 50 scientific, legal and business publications. He is a Life Member of Sigma Xi, Founding Director of the American Society for Nanomedicine and serves on the Global Advisory Council of the World Future Society. Presently he serves on the editorial boards of the following nanomedicine-related peer-reviewed journals: *International Journal of Nanomedicine*; *Cancer Nanotechnology*; *Nanotechnology Law and Business* and *Nanomedicine: NBM*. His biographical records appears in *Marquis Who's Who in the World* (2008).

With patent expirations on numerous "blockbuster" drugs on the rise, pharmaceutical companies are searching for new competitive business strategies. Nanotherapeutics offer potential solutions to fundamental problems ranging from poor water solubility of active agents (i.e., drugs or genes), toxicity issues, low bioavailability or a lack of target specificity (e.g., delivering the active to a specific "target" site). As a result, active agents are delivered more efficaciously while minimizing side effects – all leading to better patient compliance. There are numerous FDA-approved nanotherapeutics on the market that are already impacting medicine and promise to alter the healthcare landscape. To date, numerous nanotherapeutics including luminescent quantum dots, magnetic nanoparticles, gold nanoshells, dendrimers and block copolymer micelles have been developed for drug delivery. However, as these products move out of the laboratory and into the clinic, federal agencies like the FDA and the Patent Office continue to struggle to encourage the development of these products while imposing some sort of order.

Wednesday, April 8, 2009

Networking Reception 4:30 – 5:30 PM

Presentation 5:30 – 7:00 PM

Western New England College, Sleith 100, 1215 Wilbraham Road, Springfield, MA

Plenty of free parking!

Directions: <http://www1.wnec.edu/aboutus/index.cfm?selection=doc.586>

NO CHARGE TO ATTEND, BUT IT WOULD BE APPRECIATED IF YOU RESERVE IN ADVANCE

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