

# Nanosprings™: A Versatile Nanomaterial Platform - Applications in Life Sciences and Pharmaceutical Synthesis

Friday October 21, 2011 9-10 A.M.

Seminar Room #2018/Veterinary Teaching Hospital Building

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Nanosprings™ are a unique high surface area one-dimensional nanomaterial produced by GoNano Technologies. With a surface area exceeding 350 m<sup>2</sup>/g, Nanosprings offer a high surface area solid support with a number of potential applications in the life sciences and pharma. The silica Nanospring surface is readily functionalized with a range of different biological molecules. This seminar will introduce the unique features, benefits, and applications of Nanosprings. We will also describe some of the collaborations in biological and pharmaceutical research currently underway, including:

- NIH-SBIR funded program to develop ELISA for animal diagnostics
- Nanospring coating for prosthesis
- Cancer detection
- Immobilized enzymes for synthesis of pharmaceuticals

The main objective of this seminar is to stimulate creative concepts for collaboration between Washington State University and GoNano Technologies. For an introduction to GoNano Technologies and Nanospring technology, please visit: [www.gonano-technologies.com](http://www.gonano-technologies.com).

## Biographical Sketches



**M. Grant Norton** is Chief Technology Officer of GoNano Technologies and Professor in the School of Mechanical and Materials Engineering at Washington State University. Professor Norton obtained his Ph.D. in Materials from Imperial College, London and spent a two-year postdoctoral at Cornell University before joining the Washington State University faculty in 1991. In 2007, Norton co-formed GoNano Technologies, Inc., a WSU spin off company.

**Giancarlo Corti** is Vice President - Research & Development at GoNano Technologies. He obtained his Ph.D. in Mechanical Engineering from the University of Idaho where he also completed his postdoctoral appointment prior

to joining GoNano Technologies, a UI spin off, as Manager of Research and Development. During his postdoctoral appointment, at the University of Idaho Physics Department, Giancarlo was responsible of the micro-fabrication, design and development for micro devices containing nano components such as Nanosprings and nanowires. He has made several contributions in the areas of acoustics in fluids, MEMS, NEMS, and biosensors.

