

PFIZER Seminar Series Concludes

Modeling & Simulation



Three scientists from Metrum Research present their work on modeling & simulation at the UConn Storrs campus.

The fifth seminar in the Pfizer Series, held on October 20th, featured Metrum Research, located in Tariffville, CT whose principals presented quantitative modeling and simulation methods that have been used to support design efforts in industries such as aerospace, automotives, meteorology, defense, precision manufacturing and others. These same techniques are beginning to be used in biomedical research and development programs in an effort to improve design efficiency and clinical/therapeutic impact. The seminar provided an understanding of current uses and future potential of quantitative modeling and simulation of drug, biologic and medical device development. These concepts illustrated were specific case studies: (1) *Application of Systems-Biology Model for Calcium Homeostasis and Bone Turnover to Osteoporosis Therapies* and (2) *Application of Bayesian Modeling Methods to Support Clinical Trial Design*.

Presenting from Metrum Research were:
Marc Gastonguay, PhD, President & CEO
Matthew Riggs, PhD, Principal Scientist II
James Rogers, PhD, Principal Scientist

For more information, please visit:
www.metrumrg.com

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Donna Moats and Joe Woody from Covidien chat with an attendee at the CL&P Berlin, CT facility.

The culminating event of the Pfizer Seminar Series was a presentation on November 3rd by three experts in the field. The first presenter was Joe Woody, President, Vascular Technologies, Covidien who gave an overview, from a \$10B global healthcare products company, of what trends they must pay attention to both domestically and abroad to respond to the needs of its customers. The second presenter was Patty Nichols, Director of Medical Technology, Travelers Global Technology, who shared how close they are watching the healthcare debate in order to be able to respond to the risk insurance needs of medical device companies. The third presenter was Joel Douglas, CTO, eGen LLC, who, as a successful inventor and entrepreneur, shared his knowledge of what it takes to get a product through the FDA system and to market. He expressed very candid thoughts on how careful entrepreneurs must be to position themselves in order to get the attention of venture capitalists during this tough economic time. Many thanks to the presenters and Pfizer for sponsoring the year long BEACON Seminar Series!