



# Stony Brook University

## Biomedical Informatics Department

*presents*



### Eberhard O. Voit, PhD, Georgia Tech

## Weaving Biological Snapshots into Stories through Mathematical Modeling

**Friday, November 6, 2015 9:00 - 10:00 AM**

**Harold Atkins Learning Center, HSC Level 4, Room 135**

**Brief Introduction:** Eberhard O. Voit studied biology and mathematics at Cologne University, Germany, where he received Master's degrees in biology and mathematics, and a Ph.D. in developmental and theoretical biology. He held research and faculty positions at the University of Michigan, the Medical University of South Carolina in Charleston, and at a forest research center in Tasmania, Australia. In 2004, Voit moved to the Department of Biomedical Engineering at Georgia Tech, where he is a Professor and Georgia Research Alliance Eminent Scholar and holds the David D. Flanagan Chair in Biological Systems. Voit's research interests are in the area of complex biomedical systems, and he has been involved with the development and application of Biochemical Systems Theory (BST) for over thirty years. Work in his lab presently focuses on genomic, metabolic, and signaling systems with applications reaching from microbial and plant systems to human diseases. Voit has authored or co-authored over two-hundred fifty scientific articles and book chapters as well as several books, two of which have been translated into Chinese. His 2012 book, *A First Course in Systems Biology*, is an introductory text for advanced undergraduate and graduate students that is used as required or recommended text for over 75 courses around the world and is currently being translated into Korean. A new book on systems biology, currently in press and entitled *The Inner Workings of Life*, addresses the educated lay population. Voit regularly receives invitations to speak at international conferences and has presented uncounted seminars and workshops on biological systems throughout Europe, North and South America, Asia, and Australia. Voit is an elected fellow in the American Institute for Medical and Biological Engineering (AIMBE) and the American Association for the Advancement of Science (AAAS).

**Questions? Please call the Biomedical Informatics Department at 631-444-8459.**