



New Inventors of the Year

Rodger Kram is an Associate Professor of Integrative Physiology, College of Arts and Sciences, University of Colorado at Boulder. After receiving his B.A. (1983) in Biology at Northwestern University, he received an M.S. (1985) in Biomechanics from the Pennsylvania State University, and an M.S. (1988) and Ph.D. (1991) in Organismic and Evolutionary Biology from Harvard University. He was a professor at Berkeley for six years and before coming to CU in 2000.

Prof. Kram has graduated five Ph.D. students, five M.S. students and always has a team of undergraduate research students in his lab from biology and engineering departments. He teaches an undergraduate class in Biomechanics to students who are mostly interested in physical therapy, occupational therapy and medical careers.

Dr. Kram's primary research interests are the physiology and biomechanics of how humans and other animals walk and run. He is the inventor of a leg swing assist device that provides controllable forward leg swing assistance to patients during treadmill therapy for gait disorders that are the result of brain, spinal cord, or other injuries. This device was co-invented with his graduate students Jesse Modica and Jinger Gottschall. The device was invented to try and understand which leg muscles truly advance the leg for the next step and how much energy is consumed in that process.

He is a founder of Locomotion, Inc., an early stage CU startup company formed to commercialize this and other rehabilitation technologies. He was just awarded a \$10,000 Proof of Concept Grant from TTO to develop more advanced prototypes of leg swing assist device.

Ching-Hua (Edward) Chow came to CU in 1991 and is a Professor of Computer Science in the College of Engineering and Applied Sciences and the University of Colorado at Colorado Springs. Prior to his appointment at UCCS, he served as a visiting scientist for IBM and Fujitsu Lab Kawasaki and was a member of technical staff at Bell Communications Research for five years. He earned a B.S. at National Taiwan University in 1977 and an M.A. (1982) and Ph.D. (1985) at the University of Texas, Austin. Dr. Chow's areas of expertise are computer and communication networks, multimedia information systems, network management, high speed networks/protocols, intelligent networks, distributed systems, programming environments, web systems and computer architecture. Dr. Chow teaches undergraduate and graduate courses in web programming, electronic commerce, computer architecture, computer and multimedia communications, computer and network security, and distributed networks. He is currently working on web systems and web security, WAN load balancing, internet network measurement, wireless network planning, high speed networks and protocols, distributed and optimal algorithms for network resource allocation and interactive programming environments for network and protocol design.

Douglas Graham is an Associate Professor of Pediatrics at CU's Health Sciences Center. He is a board certified pediatric oncologist and spends twenty percent of his time in direct patient care at The Children's Hospital, Denver where his clinical specialty is pediatric leukemia and lymphoma. He is also a member of the T cell leukemia committee of the national Children's Oncology Group (COG) which establishes treatment protocols for all pediatric cancers in the U.S. Dr. Graham is also actively involved in the Experimental Therapeutics Program (ETP) at The Children's Hospital, Denver. The ETP is dedicated to testing new cancer treatments in phase 1 and 2 clinical trials through a consortium (termed POETICS) which includes eight other pediatric oncology centers across the country. The work with both COG and POETICS provides a means of transitioning promising treatment agents into clinical trials. Dr. Graham also commits 80% of his time to basic research and maintains a laboratory at UCHSC in which he investigates the use of tyrosine kinases as biologic markers and therapeutic targets of pediatric cancers. In addition to Dr. Graham, two members of his laboratory team will commit a portion of their time to performing The CU Proof of Concept (POC) investment program studies.

Business Advisor of the Year

John Hannon, with 25 years of experience in the global pharmaceutical and medical device markets; has launched over \$5.0 billion in new products in the U.S., Europe and Japan.

His career began as a hospital sales representative for Baxter International in New York City. It then progressed to product management, sales management, strategic marketing, business development and executive leadership positions at Bayer Pharmaceuticals, Élan Biopharma, NeXstar Pharmaceuticals, Trasona Pharmaceuticals and Purdue Pharma, respectively.

John assisted the University of Colorado Technology Transfer Office in evaluating and managing a startup around Dr. Paul Wischmeyer's glutamine dipeptide therapy for coronary intensive care and trauma. John served as Chief Executive Officer of Trasona Pharmaceuticals, working both with the TTO and independently to develop and execute business strategies and to evaluate market opportunity for the novel therapeutic.

John is a graduate of Marquette University.