

Fifth Annual Technology Transfer Awards



January 24, 2007

Tivoli Turnhalle

Denver, CO

Program and Schedule

5:30 pm Mike Bristow and Bill Freytag: the Myogen Story

Dr. Michael Bristow and Dr. J. William Freytag, founders of Myogen Inc. will discuss the company's origins, growth, and eventual acquisition in 2006 by Gilead Sciences. Myogen was a CU-based biopharmaceutical company focused on the discovery, development, and commercialization of small-molecule therapeutics for the treatment of cardiovascular disorders.

6:30 pm Reception

7:15 pm Dinner and Addresses

First Course

Baby Mixed Green Salad With Roasted Corn & Dijon Vinaigrette

Main Course

Stuffed Chicken Breast With Tomato Basil Cream Sauce

Roasted Garlic Mashed Potatoes & Grilled Balsamic Vegetables

Or

Portobello Mushroom Lasagna (vegetarian entree)

Dessert

Chocolate Cake & Coffee

*Remarks from Hank Brown, President, University of Colorado
& David Allen, Associate Vice President for Technology Transfer*

8:00 pm Presentation of Awards

David Allen will present the 2006 Technology Transfer awards, recognizing inventors, companies, and community leaders who demonstrate best practices in technology transfer.

Technology Transfer Award Winners

Anatoliy Glushchenko

New Inventor of the Year, Colorado Springs

Jeffrey Holt

New Inventor of the Year, UCDHSC

James Goodrich

New Inventor of the Year, Boulder

Zbigniew Celinski

Inventor of the Year, Colorado Springs

Robin Shandas

Inventor of the Year, UCDHSC

Robert Kutchta & Kathy Rowlen

Inventors of the Year, Boulder

Richard Duke

Business Advisor of the Year

ALD NanoSolutions

Physical Sciences/Engineering/IT Company of the Year

ARCA Discovery

Biosciences Company of the Year

Kyle Lefkoff

Inductee into the TTO Pinnacles Group

Honorees

Honorees

Anatoliy Glushchenko

New Inventor of the Year, Colorado Springs

Dr. Anatoliy (Tolya) Glushchenko is an Assistant Professor of Physics at the University of Colorado, Colorado Springs. He received his Ph.D. from the Institute of Physics, Ukrainian Academy of Sciences in 1997. His research interests include soft matter physics, liquid crystals, applied optics, nanotechnologies, and materials science. In particular he is working with nanofluidics and nanosuspensions in the context of liquid crystal devices. In 2000 he received the Ukrainian Presidential Award for Young Scientists for his work with liquid crystal displays.

Jeffrey Holt

New Inventor of the Year, UCDHSC

Dr. Jeffrey T. Holt is the Vice Chair for Research and Todd Professor of Experimental Pathology at the University of Colorado, Denver and Health Sciences Center. He received his M.D. from the University of Michigan School of Medicine in 1979. His research activities include genetic and biochemical analysis of human BRCA1 and BRCA2 genes to study their role in cancer, trials of retroviral BRCA1 gene therapy for ovary and prostate cancer, and study of the mechanism through which BRCA2 influences cellular localization and function, and how these mechanisms contribute to radiation sensitivity and breast carcinogenesis.

James Goodrich

New Inventor of the Year, Boulder

Dr. James A. Goodrich is an Associate Professor of Chemistry and Biochemistry at the University of Colorado, Boulder. He received his Ph.D. from Carnegie Mellon University in 1992. Dr. Goodrich's work is focused on uncovering molecular mechanisms governing mammalian RNA polymerase II transcription. His lab has developed a set of assays that can be used to screen for highly specific immunosuppressive drugs; these drugs, which could avoid the negative side effects associated with non-specific activities of current immunosuppressive drugs, would be powerful tools for treating and improving the lives of transplant or other immuno-compromised patients.

Zbigniew Celinski

Inventor of the Year, Colorado Springs

Dr. Zbigniew Celinski is a Professor of Physics at the University of Colorado, Colorado Springs. He received his Ph.D. from Simon Fraser University in 1992. Professor Celinski is currently working with experimental studies of magnetic materials and nanostructures. In particular he is working with interactions between electromagnetic radiation and materials, interactions between magnetic layers in magnetic heterostructures, magnetic properties of nano-sized objects, and microwave devices operating in the 5-60 GHz range. Related research interests include experimental solid state physics, growth and characterization of ultra-thin metallic films and multilayers, magnetic materials, Brillouin light scattering, ferromagnetic resonance, and exchange coupling in magnetic thin films.

Robin Shandas

Inventor of the Year, UCDHSC

Dr. Robin Shandas is a Professor of Mechanical Engineering at University of Colorado, Boulder and Professor of Pediatrics, University of Colorado at Denver and Health Sciences Center. He received his Ph.D. from the University of California, San Diego in 1993. Areas of expertise include experimental fluid diagnostics, cardiovascular biofluid mechanics, cardiovascular instrumentation and device design, microsystems in bioengineering, and non-invasive diagnostic and imaging techniques. Since 1994 he has directed the Cardiovascular Flow and Imaging Research Laboratory at the Children's Hospital, and has directed the NIH Graduate Training Program in Cardiovascular Biomechanics and Imaging since 2003. Dr. Shandas was recently awarded a multimillion-dollar grant from the NIH for the study of pulmonary hypertension in children; he will lead the development of 200 patient-specific computer models that will be used to help refine diagnosis and improve treatment of the life-threatening disease. The work will be based on three-dimensional imaging combined with computational modeling of the blood flow and mechanics of the pulmonary vascular systems in infants and children.

Honorees

Robert Kutchta & Kathy Rowlen

Inventors of the Year, Boulder

Dr. Kathy L. Rowlen is a Professor of Chemistry and Biochemistry at the University of Colorado, Boulder. She received her Ph.D. in 1989 from the University of Colorado. Her areas of expertise include bioanalytical chemistry, spectroscopy, and nanotechnology.

Dr. Robert D. Kutchta is an Associate Professor of Chemistry and Biochemistry at the University of Colorado, Boulder. He received his Ph.D. from Brandeis University in 1986. His research is directed towards understanding enzymic catalysis at the level of individual steps in the reaction pathway; two primary areas of study are DNA replication and glycosylation of lipids and proteins.

Drs. Rowlen and Kutchta led a multi-year project in collaboration with the Centers for Disease Control to develop diagnostic techniques that can determine the genetic makeup of specific influenza strains from patient samples within hours. The Flu Chip and MChip technologies, recently licensed from CU, will be used for tracking emerging strains and helping world health officials combat coming epidemics and pandemics, including bird flu. In addition, the technology will help facilitate the development of preventive vaccines.

Richard Duke

Business Advisor of the Year

Dr. Richard Duke has mentored the founders and CEO's of numerous CU-based startups, including Sierra Puente and Caveo Therapeutics. He was a champion for HB 1360 with the help of Denise Brown of the Colorado BioScience Association, and supports efforts to initiate a pre-clinical drug development program. Rick has been a major force in building the entrepreneurial culture at Fitzsimons, supporting the mission of TTO and that of Colorado bio-science in general; we thank him for his tireless effort and continued support.

Dr. Duke is currently President and CEO of ApopLogic Pharmaceuticals, as well as the founder of GlobelImmune, Inc; he is an Associate Professor at the University of Colorado Health Sciences Center.

ALD NanoSolutions

Physical Sciences Company of the Year

ALD NanoSolutions, Inc., located in Broomfield, Colorado, was recognized by Frost & Sullivan with the 2006 Excellence in Technology Award for developing and commercializing path-breaking atomic layer deposition (ALD) techniques. In addition, NanoDynamics, Inc. received SEMICON West's 2006 Technology Innovation Showcase Award for the ALD technology NanoDynamics licensed from ALD NanoSolutions, Inc. for thermal filler particles for the semiconductor industry. In the past year, ALD NanoSolutions received three Phase I small business technology transfer (STTR) grants and one new Phase II STTR grant, bringing the total amount of funding from federal agencies to \$3.1 million for 10 programs since June 2003. ALD NanoSolutions, Inc. was founded in 2002 by P. Michael Masterson, Karen Buechler, and CU-Boulder Professors Steven George and Alan Weimer. The company's proprietary technology is based on ALD coating chemistry methods developed by Drs. George and Weimer for depositing ultra-thin films on particulate surfaces.

ARCA Discovery

Biosciences Company of the Year

ARCA Discovery, Inc., a company founded by CU-Denver and Health Sciences Center Professor of Cardiology Michael Bristow, is focused on developing and commercializing genetically targeted therapies for heart failure and other cardiovascular diseases. The company's first product is bucindolol, a small-molecule therapeutic for advanced heart failure and other indications, which promises to be the first genetically targeted cardiovascular drug. In October 2005 the company signed an exclusive license agreement with the university for technology from Dr. Bristow's laboratory, including the genetic markers that will be used as the basis for prescribing bucindolol. In February 2006 the company closed \$15 million in venture capital financing, led by Atlas Venture of Boston and Boulder Ventures of Colorado. The company's corporate headquarters are in Denver and its laboratory facilities are at the Fitzsimons Biomedical Research Park.

Kyle Lefkoff

Pinnacles Group Inductee

Kyle Lefkoff is a general partner and founder at Boulder Ventures, in which capacity he has served as an advisor to the TTO on many projects, including serving on the VC review panel for the Proof-of-Concept program. He also created and managed University Research Corp. from its inception in 1988 to its liquidation in 2000. URC was formed to invest in start-up companies that commercialize faculty discoveries made at the University of Colorado, and is among the most successful portfolio of public university spin-offs in the U.S. He is a board member of University License Equity Holdings, Inc., which manages the University's ownership interest in CU licensee and start-up companies.

Mr. Lefkoff has 22 years of venture capital experience in Colorado, and has been the principal or lead investor in 56 Colorado companies. His venture capital investments include life sciences, enterprise hardware and software, and natural foods retailing. Mr. Lefkoff is a Director of Metabolite Laboratories, Centerstone, Trust Company of America, LeftHand Networks, ARCA Discovery, and BaroFold. He is the Chairman of the Board of Array Biopharma (NASDAQ: ARRY). He is past Chairman of the Venture Capital Association of Colorado and an Adjunct Professor of Finance at the University of Colorado School of Business.

Mr. Lefkoff received his B.A. in Economics from Vassar College (summa cum laude) in 1981. In 1980, Mr. Lefkoff completed a Fellowship in Economic History at the London School of Economics. In 1985, he completed his MBA in Finance at the University of Chicago.

2005 Honorees

Pinnacles of Inventorship Inductees

Dragan Maksimovic, Associate Professor of Electrical and Computer Engineering, University of Colorado at Boulder (*2005 Inventor of the Year*)

Regan Zane, Assistant Professor of Electrical and Computer Engineering, University of Colorado at Boulder (*2005 Inventor of the Year*)

Robert Garcea, Professor of Pediatrics, University of Colorado at Denver and Health Sciences Center (*2005 Inventor of the Year*)

Terrance Boulton, El Pomar Endowed Chair of Communication and Computation and Professor of Computer Science, University of Colorado at Colorado Springs (*2005 Inventor of the Year*)

Pinnacles Roster

Robert Allen, Professor of Medicine and Co-Division Head of the Hematology Department, University of Colorado at Denver and Health Sciences Center

William P. Arend, Scoville Professor Medicine and Director of Rheumatology Clinical Programs, University of Colorado at Denver and Health Sciences Center

Frank Barnes, Distinguished Professor of Electrical and Computer Engineering, University of Colorado at Boulder

Donald Bellgrau, Professor of Immunology and Medicine, University of Colorado at Denver and Health Sciences Center

Christopher Bowman, Professor and Chair of the Department of Chemical and Biological Engineering, University of Colorado at Boulder and Clinical Professor in the Department of Restorative Dentistry, University of Colorado at Denver and Health Sciences Center

Pinnacles Roster

Michael Bristow, Professor of Medicine and Division Head of Cardiology, University of Colorado at Denver and Health Sciences Center

Marvin Caruthers, Distinguished Professor of Chemistry and Biochemistry, University of Colorado at Boulder

Thomas Cech, Distinguished Professor of Chemistry and Biochemistry, University of Colorado at Boulder; Professor of Biochemistry, Biophysics and Genetics, University of Colorado at Denver and Health Sciences Center; President of the Howard Hughes Medical Institute

Richard Duke, Professor of Medical Oncology, University of Colorado at Denver and Health Sciences Center

Alex Franzusoff, Formerly Associate Professor of Cell and Developmental Biology, University of Colorado at Denver and Health Sciences Center

Steven George, Professor of Chemistry and Biochemistry and Chemical and Biological Engineering, University of Colorado at Boulder

Larry Gold, Professor of Molecular, Cellular and Developmental Biology, University of Colorado at Boulder; Member of the National Academy of Sciences

V. Michael Holers, Professor of Medicine in the Division of Rheumatology, University of Colorado at Denver and Health Sciences Center

Leslie L. Leinwand, Professor and Chair of the Department of Molecular, Cellular and Developmental Biology, University of Colorado at Boulder

R. C. "Merc" Mercure, CEO of CDM Optics and Chairman of the Board of University License Equity Holdings, Inc.

Pinnacles Roster

Garret Model, Professor of Electrical and Computer Engineering, University of Colorado at Boulder

Karen Newell Rogers, Associate Professor of Biology, and Chief Executive Scientific Director, CU-Institute of Bioenergetics, University of Colorado at Colorado Springs

Carlos Paz de Araujo, Professor of Electrical and Computer Engineering, University of Colorado at Colorado Springs

Paul Seligman, Professor of Medicine in the Division of Hematology, University of Colorado at Denver and Health Sciences Center

Robert E. Sievers, Professor of Chemistry and Biochemistry, University of Colorado at Boulder

Sally Stabler, Professor of Medicine and Co-Division Head of the Hematology Department, University of Colorado at Denver and Health Sciences Center

Alan Weimer, Professor of Chemical and Biological Engineering, University of Colorado at Boulder

Contact Us

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