



University at Buffalo
The State University of New York

Inventors
and
Entrepreneurs
Reception

Monday, March 3, 2014
4:00-6:00

UB Clinical and Translational Research Center



Welcoming Remarks

Robert J. Genco
Vice Provost, STOR



Charles F. Zukoski
Provost



Satish K. Tripathi
President



Introduction of UB Inventors Named on U.S. Patents Visionary Innovator Awards

Jeffrey A. Dunbar
Director, STOR



Introduction of UB Technology Incubator Awards

Woody Maggard
Associate Vice Provost, STOR



Introduction of UB Entrepreneurial Champion

Robert J. Genco



Closing Remarks

Alexander N. Cartwright
Vice President for Research and Economic
Development

UB Inventors Named on U.S. Patents in 2013

8,349,794 Reconstitution Medium for Protein and Peptide Formulations

UB Inventor: Sathy Balu-Iyer, Pharmaceutical Sciences

8,372,600 Method and Apparatus for Measuring Changes In Cell Volume

UB Inventors: Frederick Sachs and Stephen Besch both from Physiology and Biophysics; Harsh Chopra and Susan Zonglu Hua both from Mechanical and Aerospace Engineering

8,397,311 Metrology Probe and Method of Configuring a Metrology Probe

UB Inventors: Harsh Chopra and Susan Zonglu Hua both from Mechanical and Aerospace Engineering

Collaborator: Jason Armstrong, formerly of Mechanical and Aerospace Engineering

8,501,098 Temporally Addressable Detection Array

UB Inventors: Albert H. Titus, Biomedical Engineering; Frank V. Bright, Chemistry; and Alexander N. Cartwright, Electrical and Biomedical Engineering

8,377,717 Site Selectively Tagged and Templated Molecularly Imprinted Polymers for Sensor Applications

UB Inventor: Frank V. Bright, Chemistry

8,557,182 Site Selectively Tagged and Templated Molecularly Imprinted Polymers for Sensor Applications

UB Inventor: Frank V. Bright, Chemistry

8,450,473 Compositions and Methods for Therapy of Macular Degeneration

UB Inventor: Jack Sullivan, Ophthalmology

Collaborators: Edwin Yau and Tiffany Kolniak, both formerly of Ophthalmology

8,586,707 Stapled Peptides and Method of Synthesis

UB Inventor: Qing Lin, Chemistry

Collaborator: Mike Madden, formerly of Chemistry

8,562,944 PAA Nanoparticles for Enhancement of Tumor Imaging

UB Inventor: Munawwar Sajjad, Nuclear Medicine

Collaborators: Ravindra K. Pandey from Roswell Park Cancer Institute; Raoul Kopelman from University of Michigan, and Anurag Gupta formerly of Roswell Park Cancer Institute

8,501,197 Compositions and Methods for Stimulating Immune Response Against Moraxella Catarrhalis

Inventors: Timothy F. Murphy, Medicine and Min Yang, Family Medicine

8,460,647 Identification and Method for Using the Pre-Ligand Assembly Domain of the Il-17 Receptor

Inventor: Jill Kramer, Oral Biology

Collaborators: Sarah Gaffen, formerly of Oral Biology; Walter Hanel from Stony Brook University, and Fang Shen from Genentech Inc.

Registered Trademark

Registration No. 4,418,407 INSOCIAL WORK



Trademark registrant: Anthony Guzman, School of Social Work

Visionary Innovators UB Technologies Licensed to Industrial Partners in 2013

Stable Monomeric Streptavidin with High Biotin Affinity

UB Inventor: Sheldon Park, Chemical and Biological Engineering

Industrial Partner: KeraFAST, Inc.

Production Of YY1 Antibody

UB Inventor: Te-Chung Lee, Biochemistry

Industrial Partner: KeraFAST, Inc.

Three Related Instruments Designed To Measure the Quality of Person-Centered Care In Long Term Care Facilities From The Perspectives Of Staff, Family And Residents

UB Inventor: Davina Porock, Center for Nursing Research

Industrial Partner: Trimbos-Institut

Swim Trainer

UB Inventor: David Pendergast, Physiology and Biophysics

Industrial Partner: TracerLanes, LLC

Microfabricated Device for Monitoring Cell Volume

and

Method of Using Synchronous Rectification for Autocalibration Of A/D Conversion With AC Modulated Measurements

UB Inventors: Frederick Sachs and Stephen Besch, both of Physiology and Biophysics; Harsh Chopra and Susan Zonglu Hua both from Mechanical and Aerospace Engineering

Industrial Partner: Volnamics, LLC

Desiccant-Resistant Formulation For Relief Of Xerostomia

UB Inventors: Robert E. Baier and Anne E. Meyer, both of Oral Diagnostic Sciences

Industrial Partner: You First Services, Inc.

Structure with Vertically Correlated Quantum-Dot Clusters for Detector and Solar Cell Applications

and

Quantum Dot Solar Cell with Minimized Recombination Losses Due to Selective Doping

and

Quantum Dot with Built-In Charge Structures with Reduced Wetting Layer for Efficient Photovoltaic Conversion and IR Sensing

UB Inventors: Vladimir Mitin, Andrei Sergeyev and Nizami Vagidov, all of Electrical Engineering; and Gottfried Strasser of Physics

Industrial Partner: Optoelectronic Nanodevices, LLC

2013 UB Technology Incubator Company Graduates

Academic Software Plus

www.liaison-intl.com

A UB spin-off company that develops and supports software applications to help university admissions officers sort and analyze data from thousands of applicants. ASP was a member of the incubator from 2002 until graduation in 2013. ASP moved to nearby offices in Amherst with 30 employees, taking the name of Liaison International, a software solutions company in Massachusetts that acquired the local company in 2001.

KYNTEC Corporation

www.kyntec.com

A Buffalo-based designer and manufacturer of kinetic energy management devices that include shock absorbers and shock mounts. After moving to the incubator in May 2013, KYNTEC secured several international, multi-million dollar contracts and outgrew the space. They now reside in a 27,000-square-foot manufacturing facility in Cheektowaga. The firm's success brings well-paying, manufacturing and Science, Technology, Engineering and Math (STEM) jobs to Western New York.

Tactus Technologies

A dynamic software company that specialized in Virtual Reality applications. Tactus was built on a foundation of talent, innovation and ingenuity. Tactus joined the incubator in February 2013 and graduated in November 2013.

UB Entrepreneurial Champion Award

This award is to recognize an exceptional entrepreneur or company who, through either championing a UB technology or graduating from a UB Incubator program, has created a highly successful company and whose products and services will create a major impact in their ability to benefit the public good worldwide. This year this award goes to **ATTO Technology, Inc.**

ATTO Technology, Inc., a global leader of storage and network connectivity and infrastructure solutions for data-intensive computing environments, celebrated its 25 year anniversary on November 11, 2013. In addition to powering some of the world's largest data centers, the Amherst-based company is recognized as having helped revolutionize media and entertainment production for digital audio, video, film, broadcast and video-on-demand solutions.

The road to success for Buffalo, New York natives, Timothy J. Klein and David A. Snell, began in 1988. Tim specialized in hardware while Dave's expertise was in writing software. Knowing they wanted to start their own company, they sat in Tim's family room and made the decision to breathe life into a unique product idea that would be the first in a long line of groundbreaking innovations that would revolutionize the technology industry.

By early 1988, the young entrepreneurs developed, built and sold their first product, the industry's first solid state storage disk, SiliconDisk™, which allowed computers to process data transfer tens to as much as hundreds of times faster than a standalone computer system. This groundbreaking technology was quickly adopted by new OEM partner, Eastman Kodak®. On November 11, the new company was officially born. The name ATTO referenced the unit of time equal to 10^{-18} , or one quintillionth of a second, in reference to the incredible processing and data transfer speeds that they knew would set their products apart.

As demand for their exciting new product increased, it was apparent that they were in dire need of the infrastructure necessary to grow. Tim, an alumnus of the University at Buffalo, was aware of a new SUNY Buffalo technology incubator managed by the Western New York Technology Development Center (TDC), which offered promising young entrepreneurs the tools and resources necessary to help bring high-tech product ideas to market. This program is known today as the University at Buffalo Technology Incubator, which falls under the administration of the University at Buffalo Office of Science, Technology Transfer and Economic Outreach (STOR). It was here in 1989 that they were introduced to engineers, testing labs, office space and, most importantly, interested investors that recognized the potential of their vision.

Success came quickly for Klein and Snell, experiencing triple digit growth over the first 5 years of operation. As their product lines grew, so did the customer base. Their products were used by Apple®, Siemens®, 3M®, Data General and Avid Technology. In 1995, they were awarded the Mac “Eddy”, the industry’s Oscar, by MacUser magazine.

Manufactured in Western New York, ATTO's products are sold in over 60 countries worldwide. Their customers encompass a wide range of prestigious Media and Entertainment companies that produce blockbuster films, award-winning television shows and global broadcasts of live news and sports. ATTO products are sold by industry leaders, such as Apple®, Dell®, EMC®, HP®, IBM®, and NetApp®, driving the transformation to Big Data, virtualized and cloud computing environments.

Learn more about ATTO Technology: <http://www.attotech.com>



Bruce Holm Memorial Catalyst Fund

An anonymous UB faculty member has launched the Bruce Holm Memorial Catalyst Fund with a \$1 million challenge gift to support STOR. Named for the UB senior vice provost who died in 2011, the fund could generate a total of \$2 million if its challenge is fully met.

The Fund is intended to support applied research and development directed specifically to prepare new technology for commercialization. Proof-of-concept, prototype development, toxicity testing, marketing and other studies to advance the technology are all supported.

To donate to the Bruce A. Holm Memorial Catalyst Fund

<http://giving.buffalo.edu/giving-options/funding-priorities/stor-bruce-holm.html>

For further information contact Dr. Robert J. Genco,
rjgenco@buffalo.edu (716) 645-3113

WNY Innovation HotSpot

The UB Technology Incubator, celebrating its 25th year, has been awarded the NYS Innovation HotSpot and Business Incubator designation. This designation, which includes collaboration with regional partners, will provide funding to advance entrepreneurial assistance initiatives across Western New York.

The effort seeks to ignite an entrepreneurial ecosystem and assist WNY in becoming a hub for innovation and economic development.

Partners include SUNY Fredonia Technology Incubator, BNMC Innovation Center, Z80 Incubator Labs, Ceramics Corridor Incubator (Alfred), Harrison Place (Lockport), UB Center for Entrepreneurial Learning, LaunchNY and UB Center of Excellence in Bioinformatics and Life Sciences.



UB OFFICE OF SCIENCE, TECHNOLOGY TRANSFER AND ECONOMIC OUTREACH

The University at Buffalo Office of Science, Technology Transfer, and Economic Outreach (STOR) is UB's interface between the inventive work of laboratory research and the applied commercial development that brings the benefits of that work to market.

STOR promotes economic revitalization through technology transfer and economic outreach activities, and fosters partnerships between UB - New York's major public research university - and the business community. STOR manages the UB Incubation Services program, which includes the UB Technology Incubator, the UB Biosciences Incubator and the Directed Energy Virtual Cleantech Incubator.

STOR is headed by UB Vice Provost Robert J. Genco, D.D.S., Ph.D., SUNY Distinguished Professor of oral biology and microbiology. Dr. Genco is a world-renowned scientist with demonstrated success in commercializing both his own discoveries and those of others.

STOR provides business leaders, researchers, and entrepreneurs with easy access to UB's extensive resources and expertise.

Contact STOR at (716) 645-5500 or visit us at www.stor.buffalo.edu