

From: Susu Wong [susu_wong@uml.edu]

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To: Wong, Susu

Subject: UML CVIP Newsletter

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UML CVIP News

Commercializing UML Innovations

October, 2007

The University welcomes the appointment of Dr. Paul E. Fredette as the Director of CVIP and Commercial Ventures Development (CVD). A Welcome Reception was hosted on July 19, 2007 to welcome Dr. Fredette and Dr. George Kachen, Director of the Director, Research & Technology Development for the Nanomanufacturing Centers. The Reception was well attended by UML, representatives from other campuses and the President's office.

Before coming to UMass Lowell, Fredette held the position of associate director in the Office of Technology Commercialization at Rensselaer Polytechnic Institute for six years. Prior to that, he worked extensively in industry.

"I've always been interested in new technologies and worked in the research, business development part of the organization," he says. His experience includes technology evaluation, marketing and market research, product development and business start-up, as well as the areas of contract negotiations, joint ventures and licensing.

Holding a Ph.D. in environmental engineering from Rensselaer, Fredette is, in a sense, coming home to Lowell. He earned his B.S. degree in chemical engineering from the Lowell Technological Institute and says, "My professional career was well grounded at Lowell - the technical training, the interaction with faculty and the theoretical and applied approaches that were being taught."



New Director on Board

[CVIP Website](#)

[Massachusetts Technology
Transfer Center](#)

[Guide For Inventors](#)

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Dr. Paul Fredette, center, joins the CVIP team, from left, Susu Wong, Tanya Labelle, Anne-Marie Baker and Marie Wagner.

Metabolix collaboration with UML

The University of Massachusetts Lowell announced a licensing agreement with Metabolix Inc. (www.metabolix.com) for the production of improved high performance plastics that are biobased, sustainable and biodegradable.

Metabolix, Inc. is an innovation driven bioscience company providing clean, sustainable solutions for the world's needs for plastics, fuels, and chemicals.

The material method (US Patent No. 5,883,199) for blending different biodegradable plastics to make them more usable, was developed by Dr. Stephen McCarthy, plastics engineering professor and director of the Biodegradable Polymer Research Center at UMass Lowell.

[Full Press Release](#)

Issued Patents



Congratulations to Professor Rudolf Faust of the Chemistry Department. Patent number 7,226,979 issued on June 5, 2007 based on Professor Faust's work on cationic block copolymers. The patent title is "Copolymers Comprising Olefin and Protected or Unprotected Hydroxystyrene Units".

The method allows the production of previously un-synthesizable cationic and anionic block copolymers with a hydrophilic, end-cap, thereby allowing a tune-able functionality, which allows more practical products to be developed.

Congratulations to Professor Ashok Cholli of the Physics Department.

[MMVVF Upcoming Events](#)

Wednesday, October 31, 2007

Green Chemistry Business Summit [Register & Info](#)

Wednesday, November 7, 2007

MVVVF Women's Collaborative Fireside Chat - Speaker: Vicky S. Wu - CEO, FrogHop, Inc.

[9th Annual MedTech Investors Conference](#)

November 1, 2007
MassMEDIC's annual Investors Conference features the "extended elevator pitches" of 25 pre-venture, early stage and emerging medical device companies. [Register here](#)

MTTC

[3rd Annual Nanotech and Microtech Investors Forum:](#)

Monday, December 3, 2007

2:30 - 6:30 p.m.

Marriott Boston Newton, 2345 Commonwealth Avenue, Newton, MA

[Click here for info](#)

Based on Professor Cholli's work on Polymeric antioxidants, patent number 7,223,432 on May 29, 2007. The patent is titled "Polymeric antioxidants". The technology encompasses novel method that resists oxidation while composing unique antioxidant polymers.



Upcoming Events

[MITC 3rd Annual Clean Energy Conference](#)

October 29-30, 2007

A panel discussions by Clean Energy investors Entrepreneurs developing emerging Clean Energy technologies for startups and licenses will present their ideas in the form of a ten-minute investor pitch. These sessions will be a fast-moving, information-packed opportunity for investors and others to learn about the companies that will be making their mark in this field destined for rapid growth.

- Exhibitors representing startup companies, established companies of all sizes, service providers, industry organizations, press, and universities will have tabletop exhibits.
- The Massachusetts Hydrogen Coalition (MHC) organizes Industry Sector Sessions featuring industry experts in all major Clean Energy sectors.
- The Energy Special Interest Group (ESIG) at the MIT Enterprise Forum will hold a free Job Fair for all job seekers in the clean energy cluster. Companies in all technology and market sectors are anticipated as are job seekers with the passion and capability to make an impact in those companies.

Licensable Technologies at UML

The following patent or patent-pending UML technologies are available for licensing. Please follow the links to the CVIP Technology Search Engine or contact [Susu Wong](#) or [Anne-Marie Baker](#) for further information:

[UML 07-17](#)

Microcontact Printing stamps and methods for their preparation

Joey Mead, Amol Chandekar, Carol M. F. Barry, James E. Whitten, Sandip K. Sengupta

[UML 02-06](#)

Tissue Reconstruction and Regeneration

Susan Braunhut, Anne Montrone, Kenneth Marx, Tiaan Zhou

[UML 07-06](#)

Novel Polymer - Protein Substrate for Immunosorbant Fluorescent Assays

Melisenda McDonald, Joey Mead, Lisa-Jo Clarizia

Who is CVIP?

CVIP was formed in 1994 and we have staffed offices in each of the five campuses. The activities of CVIP include but are not limited to the following:

- License University technologies
- Develop industrial partnerships between University faculty and the industry
- Participate in new company formation based on University technologies
- Advise the University on entrepreneurial and IP-related activities

For more information [click here](#)

[UML 07-13](#)

InfoMap: Information Search Maps

Georges Grinstein, Alexander G. Gee, Mary Beth Smrtic, Vivek Gupta

[UML 94-09](#)

Biomolecular Synthesis of Quantum Dot Composites

Carl Lawton, Fadi Abouganhem, Suzanne Conroy

[UML 04-21](#)

IR Scanner fo Biological Applications

Samson Mil'shtein, Niyom Lue

[UML 05-17](#)

Nanoemulsions Encapsulate Anti-Oxidant Synergy Formulation (ASF) for Cancer Therapy

Robert Nicolosi

[UML 06-25](#)

Circumferential Contactless Line Scanning of a Fingerprint

Samson Mil'shtein, Chris Liessner, John Palma

Incubator Success Story

[MBA Team, Inc.](#)

MBA Team Inc. began as an Incubator at UMass Lowell is a Web Design and Internet marketing consulting firm that creates lasting value for companies and organizations through innovative approaches to marketing and communications. MBA Team, Inc. transforms businesses into industry leaders by creating customized Internet marketing solutions. James Kennedy began the business as a CVD tenant at Wannalancit Mills. The company has graduated and recently moved its headquarter to Littleton MA, tripling its workforce and is steadily recognizing new opportunities. Some of their current accounts include ImaginEngine, Con Edison, Inc., Ambient Corporation and Harvard Medical School.

The [Commercial Venture Development](#) (CVD) focuses on economic development activities with entrepreneurs and early stage companies. For more information on the program please contact Paul.Fredette@uml.edu or visit our web site at www.uml.edu/cvd.

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