

## Newsletter, Spring 2007

### People

Ted Shortliffe, CAIM Director and Chair of the Department of Biomedical Informatics (DBMI), has departed Columbia University for the University of Arizona, College of Medicine - Phoenix where he is Dean of the Faculty. Ted was CAIM Director for seven years and, among his other achievements, was responsible for initiating the Affiliates program, the Columbia University Biomedical Informatics consulting service (CUBIC), and the workforce training course in biomedical informatics. We wish Ted well in sunny Arizona and look forward to his return visits to NYC for local culture and cooler air. (See photo on page 2.)

George Hripcsak, Interim DBMI Chair, is the new CAIM Director. George has been Vice Chair, DBMI and has collaborated with New York Presbyterian Hospital and the NYC Department of Health. His research interests involves the use of clinical information stored in the electronic medical record, and incorporates data mining and knowledge discovery, natural language processing, knowledge and data representation, evaluation methodology, and clinical demonstration.

Elizabeth (Liz) Chen, Associate Research Scientist in DBMI and CAIM Assistant Clinical Director has accepted a position as Senior Medical Informatician at Partners with an academic appointment at Harvard University. Liz received her MA (2000), MPhil (2002), and PhD (2004) in Biomedical Informatics from Columbia University. In the approximately seven months with CAIM, Liz provided much needed help with technical issues, events, and company interactions. She returns to New England with her cats and fish in tow and with our thanks for a job well done.

### Performance Metrics

The primary metric for evaluating the success of the NYSTAR-supported Centers for Advanced Technology (CAT) program is the

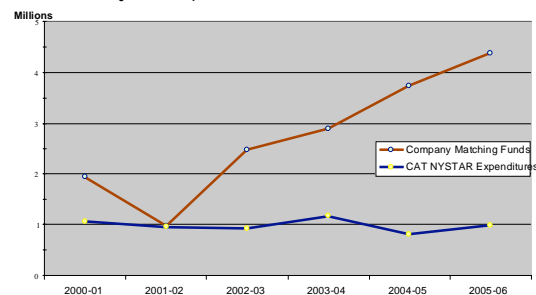
economic benefit to state companies resulting from collaborations with the 15 NYS CATs. Impact is measured in jobs (created or retained), revenue/profit, funds acquired, and capital expenditures. Our results over the past five years are summarized below.

Economic Impact, 2001 - 2006

	New Jobs Created	Value of Impact
Total	57	\$149 M
Avg.	9.5	\$25M

Legislation authorizing the CAT program includes a requirement that companies benefiting from CAT assistance provide matching cash to support the work done on their behalf at academic institutions. The matching funds for CAIM are shown below where NYSTAR (blue) and industry (red) expenditures are compared.

Project Expenditures, 2000 - 2006



### Help for Companies

Companies can benefit from Columbia/CAIM expertise in several ways - industry co-funded grants (see below), membership in Affiliates program, use of CUBIC (Columbia University Biomedical Informatics Consultants) specialists, and various CAIM events. Another useful mechanism, especially for initial conversations, is an informal round table discussion or seminar involving CAIM staff and company representatives to explore needs, expertise, areas of mutual interest, opportunities for third party funding, etc. Over the past year

CAIM team members have met or consulted with the following companies: BabyDynamo, Deloitte Consulting, Doctations Eclipsys Corporation, Gentiva, Goldman Sachs, InTouch Health Information, KnewCo, Light Space Technologies, Logical Images, Medco Health Solutions, MindAgent, Northrop Grumman Information Technology, Pfizer Pharmaceutical Co., Philips Research North America, and Transcendent International. These sessions, with Columbia experts, are valuable for company analysis and planning and as a prelude to a more formal collaboration or joint project.

### **Workforce Training**

CAIM has joined with The New York Academy of Sciences to offer a special two-day intensive course in *Advances in Medical Imaging: Techniques, Applications, and Target Organs: The Four-Dimensional Future*. Held on April 19-20, 2007 at the new NYAS headquarters (World Trade Center 7), it will include 12 lectures on various imaging applications by scientists, clinicians and researchers from Columbia University, other institutions, and industry. Philips Research North America and Siemens Medical Solutions generously provided corporate support. (See [www.nyas.org/imaging2007](http://www.nyas.org/imaging2007))

The *Intensive Course in Biomedical Informatics*, usually scheduled for May each year, has been postponed until fall 2007. Check the CAIM web page for updates.

### **Grant Program**

Applications for 2007-08 industry-matched grants will be issued shortly for projects starting July 1, 2007. Companies wishing to participate in this program should contact the CAIM office. Application forms and guidelines can be found on the CAIM webpage. Potential partners should also review the document *Partnering with the Columbia CAT*, also found on the CAIM webpage (Reports/Documents).

### **Affiliates Program**

Membership in the Affiliates program now includes Goldman Sachs, Medco Health Solutions, Pfizer Pharmaceuticals, Philips Research North America, and John Wiley and Sons. Standard program benefits can be seen at <http://www.cat.columbia.edu/affiliates.htm>. Companies are invited to discuss their particular needs and to see if customized benefits are an option.

### **Events**

Technology Forum 2007 was held on March 30, 2007 and was offered for the first time with a single topic focus - *Technology in Emergency and Critical Care*. Another change from past Forums was the addition of speakers from industry to compliment Columbia University Medical Center lecturers. The keynote speaker was Dr. Donald Rucker, Vice President and Chief Medical Officer at Siemens Medical Solutions. Other speakers included Mr. John Gomez, Executive Vice President and Chief Technology Strategy Officer, Eclipsys Corporation, and Dr. Art Papier, Chief Scientific Officer, Logical Images, Inc.,

### **Gallery**



CAIM Team: (left to right) Ted Shortliffe (former Director), Paul Goldfarb (New Business and Marketing Manager), Vincent Tomaselli (Deputy Director), George Hripcsak (new Director).

For more information, call 212.305.2944 or visit [www.cat.columbia.edu](http://www.cat.columbia.edu)