



**2014 EITA Conference on New Media and
Biomedical Research
(EITA-New Media and Bio 2014)**

**"Recent Advances in New Media and Biomedical
Research"**

**Massachusetts Institute of Technology
Cambridge, MA, U.S.A.**

Thursday-Friday, July 31-August 1, 2014

Program

(Final)

Day 1 (Thursday, July 31, 2014)

7/31 (Thur) 8:30 am - 5:00 pm: Registration

Room: 56-154

7/31 (Thur) 9:30 am - 9:50 am: Opening Session

Chairs:

Dr. Yaoyu E. Wang, Associate Director, Center for Cancer Computational Biology, Dana-Farber
Cancer Institute, Harvard University

(波士頓達納法伯癌症研究所王耀煜博士)

Dr. Chen-Hsiang (Jones) Yu, Founder and CEO, Prentice Lab

(Prentice Lab 余禎祥博士)

Room: 56-154

Welcome Remarks:

Ms. Anne Hung

Director General, Taipei Economic and Cultural Office in Boston

(駐波士頓台北經濟文化辦事處洪慧珠處長)

Dr. Sy-Yen Kuo

Dean, College of Electrical Engineering and Computer Science

Distinguished Professor, Department of Electrical Engineering

National Taiwan University

(台灣大學電資學院院長暨電機工程學系郭斯彥特聘教授)

Parallel Sessions:

7/31 (Thur) 9:50 am - 11:20 am: Plenary Session (1): New Media

Chair: **Dr. Chen-Hsiang (Jones) Yu**, Founder and CEO, Prentice Lab

(Prentice Lab 余禎祥博士)

Room: 56-154

“Light-weight tools for personal health monitoring”

Dr. Krzysztof Gajos

Associate Professor of Computer Science

School of Engineering and Applied Sciences

Harvard University

7/31 (Thur) 11:20 am - 11:35 am: Break

7/31 (Thur) 11:35 am – 1:05 pm: Plenary Session (2): Biomedical Research

Chair: **Dr. Yaoyu E. Wang**, Associate Director, Center for Cancer Computational Biology,
Dana-Farber Cancer Institute, Harvard University

(波士頓達納法伯癌症研究所王耀煜博士)

Room: 56-154

“Molecular Pathological Epidemiology (MPE): Evolving Integrative Biomedical Health Science”

Dr. Shuji Ogino

Associate Professor of Pathology, Harvard Medical School

Associate Professor in the Department of Epidemiology, Harvard School of Public Health

7/31 (Thur) 1:05 pm - 2:35 pm: Lunch

Parallel Sessions:

7/31 (Thur) 2:35 pm – 4:05 pm: Technical Session D1-W1-T1: Broadband, Wireless Computing, Communication and Applications, New Media and Multimedia Systems, Web, Cloud Computing and Data Mining

Chair: **Dr. Shanchieh Jay Yang**, Associate Professor & Department Head, Department of
Computer Engineering, Rochester Institute of Technology

(羅徹斯特理工學院電腦工程學系主任楊善傑教授)

Room: 56-114

Dr. Li-Chun Wang

Distinguished Professor and Chairman, Department of Electrical and Computer Engineering
National Chiao-Tung University

(交通大學電信工程研究所兼電機工程學系系主任王蒞君特聘教授)

“AIS-based Knowledge Discovery and Service Provision to Improve Safety at Sea”

Dr. Shwu-Jing Chang

Associate Professor and Chair, Department of Communications, Navigation and Control
Engineering

National Taiwan Ocean University

(台灣海洋大學通訊與導航工程學系主任張淑淨教授)

Dr. Steve H.L. Liang

Associate Professor, AITF-Microsoft Industry Chair in Open Sensor Web

Department of Geomatics Engineering
University of Calgary
(卡加利大學空間資訊工程系梁鴻翎教授)

"Temporal and Spatial Denoising of Depth Maps"

Dr. Sao-Jie Chen

Professor, Graduate Institute of Electronics Engineering and
Electrical Engineering Department
National Taiwan University
(台灣大學電機工程學系陳少傑教授)

7/31 (Thur) 2:35 pm – 4:05 pm: Technical Session D1-W2-T1: Machine Learning and Big Data, Biostatistics, In Silico Research and Biomedical Informatics

Chair: **Dr. Li-San Wang**, Associate Professor, Department of Pathology and Laboratory
Medicine, University of Pennsylvania Perelman School of Medicine

(賓州大學醫學院王立三教授)

Room: 56-154

"Exploiting Network Effects for Fraud and Malware Detection"

Dr. Duen Horng Polo Chau

Assistant Professor, School of Computational Science and Engineering
Georgia Institute of Technology

"Data Mining in Bioinformatics: Case Studies"

Dr. Jason Tsong-Li Wang

Professor, Department of Computer Science
Director, Data and Knowledge Engineering Lab and Bioinformatics Center
New Jersey Institute of Technology
(紐澤西理工學院電腦科學系暨數據知識工程實驗室及生物資訊中心主任王中力教授)

"The Phenotype and Exposure Data"

Dr. Chun-Nan Hsu

Associate Professor of Medicine, Division of Biomedical Informatics
University of California, San Diego

Dr. Yu Cao

Assistant Professor, Department of Computer Science
University of Massachusetts, Lowell

7/31 (Thur) 2:35 pm – 4:05 pm: Technical Session D1-W3-T1: Medicine and Life Sciences, Biomaterials, Biomedical Sciences and Engineering

Chair: **Dr. Yi-Hsiang (Sean) Hsu**, Assistant Professor, School of Medicine, Harvard University

(哈佛大學醫學院許益祥教授)

Room: 54-100

"Multifunctional Polymer Drug Nanocarriers for Targeted Cancer Therapy"

Dr. Shaoqin "Sarah" Gong

Professor, Department of Biomedical Engineering &
Wisconsin Institutes for Discovery
University of Wisconsin, Madison

“Robotizing Functional Nanoentities - for single-cell drug delivery, bioanalysis, and tunable biochemical release”

Dr. Donglei (Emma) Fan

Assistant Professor, Materials Science and Engineering Program
The Department of Mechanical Engineering
The University of Texas at Austin

Dr. Gang Logan Liu

Assistant Professor, Department of Electrical and Computer Engineering and Bioengineering
University of Illinois at Urbana-Champaign

“Molecular programming with DNA/RNA: nanofabrication, imaging, and sensing”

Dr. Peng Yin

Assistant Professor, Department of Systems Biology
Harvard Medical School

7/31 (Thur) 4:05 pm – 4:20 pm: Break

Parallel Sessions:

7/31 (Thur) 4:20 pm – 5:50 pm: Technical Session D1-W1-T2: Broadband, Wireless Computing, Communication and Applications, New Media and Multimedia Systems, Web, Cloud Computing and Data Mining

Chair: **Dr. Sao-Jie Chen**, Professor, Department of Electrical Engineering, National Taiwan University

(台灣大學電機工程學系陳少傑教授)

Room: 56-114

“Morphing: a New Communication Way in New Media”

Dr. Heng Ji

Edward P. Hamilton Development Chair Associate Professor, Department of Computer Science
Director of BLENDER Lab
Rensselaer Institute for Data Exploration and Applications, and Center for Cognition,
Communication & Culture
Rensselaer Polytechnic Institute

Dr. Jie Chi Yang

Head, Graduate Institute of Network Learning Technology
Professor, Department of Computer Science and Information Engineering
National Central University

(中央大學資訊工程學系暨網路學習科技研究所所長楊接期教授)

“Understanding Attack Behavior in the Mobile-Social-Internet Era”

Dr. Shanchieh Jay Yang

Associate Professor & Department Head
Department of Computer Engineering
Rochester Institute of Technology

(羅徹斯特理工學院電腦工程學系主任楊善傑教授)

7/31 (Thur) 4:20 pm – 5:50 pm: Technical Session D1-W2-T2: Machine Learning and Big Data, Biostatistics, In Silico Research and Biomedical Informatics

Chair: **Dr. I-Chen Wu**, Professor, Department of Computer Science and Director, Institute of Multimedia Engineering, National Chiao-Tung University

(交通大學資訊工程系暨多媒體工程研究所所長吳毅成教授)

Room: 56-154

"MicroRNA Regulation in Human Protein Interaction Network"

Dr. Hsuan-Cheng Huang

Director and Professor, Institute of BioMedical Informatics
National Yang Ming University

(陽明大學生物醫學資訊研究所長黃宣誠教授)

Dr. Jingyi Jessica Li

Assistant Professor, Department of Statistics
University of California, Los Angeles

(加州大學洛杉磯分校統計系李靖翌教授)

Dr. Ming Hu

Assistant Professor, Department of Population Health
Division of Biostatistics
New York University School of Medicine

"Integrative modeling of multi-platform genomic data"

Dr. Yen-Tsung Huang

Assistant Professor, Department of Epidemiology
Brown University

7/31 (Thur) 4:20 pm – 5:50 pm: Technical Session D1-W3-T2: Medicine and Life Sciences, Biomaterials, Biomedical Sciences and Engineering

Chair: **Dr. Hsueh-Fen Juan**, Professor, Institute of Biomedical Electronics and Bioinformatics, Institute of Molecular and Cellular Biology, and Department of Life Science, Center for Systems Biology and Bioinformatics, National Taiwan University

(台灣大學分子細胞生物學研究所阮雪芬教授)

Room: 54-100

"Vocal Fold-Mimetic Microenvironment for the Modulation of Stem Cell Behaviors"

Dr. Xinqiao Jia

Associate Professor, Biomedical Engineering Program
Department of Materials Science and Engineering
University of Delaware

(德拉维尔大学材料科学与工程系生物醫學工程組賈新橋教授)

"Citrate Biomaterial Design Strategies for Tissue Engineering, Drug Delivery, Medical Devices, and Bioimaging"

Dr. Jian Yang

Associate Professor, Department of Biomedical Engineering
Materials Research Institute

The Huck Institutes of the Life Sciences
The Pennsylvania State University

Dr. Rong Fan

Associate Professor, Department of Biomedical Engineering
Yale University

(耶魯大學生物醫學工程系樊榮教授)

“Capture and identification of circulating RNAs using tethered cationic lipoplex nanoparticles for lung cancer early detection”

Dr. Yun Wu

Assistant Professor, Department of Biomedical Engineering
University at Buffalo, State University of New York

Day 2 (Friday, August 1, 2014):

8/1 (Fri) 8:30 am - 12:45 pm: Registration

Room: 56-154

8/1 (Fri) 8:30 am - 9:50 am: Panel Discussions: Big Data Analytics for Biomedical Science

Moderator: **Dr. Yaoyu E. Wang**, Associate Director, Center for Cancer Computational Biology, Dana-Farber Cancer Institute, Harvard University

(波士頓達納法伯癌症研究所王耀煜博士)

Room: 56-154

Mr. Jason Stowe

CEO, Cycle Computing

Mr. Mick Correll

Chief Operating Officer, Genospace

“Observational Studies with Electronic Health Records”

Dr. Chun-Nan Hsu

Associate Professor of Medicine

Division of Biomedical Informatics

University of California, San Diego

Dr. Li-San Wang

Associate Professor, Department of Pathology and Laboratory Medicine

University of Pennsylvania Perelman School of Medicine

(賓州大學醫學院王立三教授)

Parallel Sessions:

8/1 (Fri) 9:50 am – 11:20 am: Technical Session D2-W1-T1: Broadband, Wireless Computing, Communication and Applications, New Media and Multimedia Systems, Web, Cloud Computing and Data Mining

Chair: **Dr. Shanchieh Jay Yang**, Associate Professor & Department Head, Department of Computer Engineering, Rochester Institute of Technology

(羅徹斯特理工學院電腦工程學系主任楊善傑教授)

Room: 56-114

“Social Media Analytics for Big Data”

Dr. Yun Raymond Fu

Assistant Professor, Department of Electrical and Computer Engineering

Founding Director of SMILE Lab

Northeastern University

“Transcribing the Pitch Content of Polyphonic Music Audio”

Dr. Zhiyao Duan

Assistant Professor, Department of Electrical and Computer Engineering

University of Rochester

"From Web Page Enhancement to Mobile Reading and Learning"

Dr. Chen-Hsiang (Jones) Yu

Founder and CEO, Prentice Lab

(Prentice Lab余禎祥博士)

8/1 (Fri) 9:50 pm – 11:20 am: Technical Session D2-W2-T1: Machine Learning and Big Data, Biostatistics, In Silico Research and Biomedical Informatics

Chair: **Dr. Hsuan-Cheng Huang**, Director and Professor, Institute of BioMedical Informatics

National Yang Ming University, (陽明大學生物醫學資訊研究所長黃宣誠教授)

Room: 56-154

"Dissecting the Human Protein-Protein Interaction Network via Phylogenetic Decomposition"

Dr. Hsueh-Fen Juan

Professor, Institute of Biomedical Electronics and Bioinformatics, Institute of Molecular and Cellular Biology, and

Department of Life Science, Center for Systems Biology and Bioinformatics

National Taiwan University

(台灣大學分子細胞生物學研究所與基因體與系統生物學學位學程阮雪芬教授)

Mr. Cho-Yi Chen

PhD Candidate, Genome and Systems Biology Degree Program

National Taiwan University

(台灣大學基因體與系統生物學學位學程陳卓逸)

"Developing and Using Bioinformatics Tools for Analysis of Big DNA Sequence Data"

Dr. Xiaoqiu Huang

Professor, Department of Computer Science

Iowa State University

"Secondary Use of Electronic Medical Records"

Dr. Hongfang Liu

Associate Professor, Mayo College of Medicine

"Personalize Treatment using evidence from data-mining and simulation studies"

Dr. Chih-Lin (Jake) Chi

Assistant Professor, School of Nursing & Institute for Health Informatics

University of Minnesota

8/1 (Fri) 9:50 pm – 11:20 am: Technical Session D2-W3-T1: Medicine and Life Sciences, Biomaterials, Biomedical Sciences and Engineering

Chair: **Dr. Yaoyu E. Wang**, Associate Director, Center for Cancer Computational Biology,

Dana-Farber Cancer Institute, Harvard University

(波士頓達納法伯癌症研究所王耀煜博士)

Room: 54-100

"Multiple mechanisms underlying acquired resistance to taxanes in selected docetaxel-resistant MCF-7 breast cancer cells"

Dr. Zhixiang Wang

Professor, Department of Medical Genetics

University of Alberta

(阿尔伯特大学医学遗传学系王智翔教授)

Dr. Xue Han

Assistant Professor, Biomedical Engineering
Boston University

“Fabrication of Nanostructured Constructs from Decellularized Tissue Using Bioskiving”

Dr. Qiaobing Xu

Assistant Professor, Department of Biomedical Engineering
Tufts University

Dr. Yi-Hsiang (Sean) Hsu

Assistant Professor, School of Medicine
Harvard University

(哈佛大學醫學院許益祥教授)

8/1 (Fri) 11:20 am – 11:35 am: Break

Parallel Sessions:

8/1 (Fri) 11:35 am – 1:05 pm: Technical Session D2-W1-T2: Broadband, Wireless Computing, Communication and Applications, New Media and Multimedia Systems, Web, Cloud Computing and Data Mining

Chair: **Dr. Sao-Jie Chen**, Professor, Department of Electrical Engineering, National Taiwan University

(台灣大學電機工程學系陳少傑教授)

Room: 56-114

Dr. Yaoyu E. Wang

Associate Director, Center for Cancer Computational Biology
Dana-Farber Cancer Institute
Harvard University

(波士頓達納法伯癌症研究所王耀煜博士)

“Multipath Search in Large Biomedical Data”

Dr. Woei-jyh (Adam) Lee

Tyser Teaching Fellow of Information Systems, Robert H. Smith School of Business
University of Maryland, College Park

(馬里蘭大學學院市分校史密斯商學院李偉智教授)

“DNA-Seq Analysis and Cloud Computing”

Dr. Chiao-Feng Lin

Senior Data Analyst, Department of Pathology and Laboratory Medicine
University of Pennsylvania Perelman School of Medicine

(賓州大學醫學院林嬌鳳博士)

8/1 (Fri) 11:35 am – 1:05 pm: Technical Session D2-W2-T2: Machine Learning and Big Data, Biostatistics, In Silico Research and Biomedical Informatics

Chair: **Dr. Hsuan-Cheng Huang**, Director and Professor, Institute of BioMedical Informatics
National Yang Ming University, (陽明大學生物醫學資訊研究所長黃宣誠教授)

Room: 56-154

Dr. Kechen Zhang

Assistant Professor of Biomedical Engineering and Neuroscience
Department of Biomedical Engineering
Johns Hopkins University School of Medicine

Dr. Jing Qian

Assistant Professor, Division of Biostatistics and Epidemiology
School of Public Health and Health Sciences
University of Massachusetts, Amherst

Dr. Gang Han

Associate Research Faculty
Department of Biostatistics
Yale University School of Public Health

"Mdmx: the choreographer of signal dynamics and cell fate"

Dr. Sheng-hong Chen

Research Fellow, Department of Systems Biology
Harvard Medical School

8/1 (Fri) 11:35 am – 1:05 pm: Technical Session D2-W3-T2: Medicine and Life Sciences, Biomaterials, Biomedical Sciences and Engineering

Chair: **Dr. Yi-Hsiang (Sean) Hsu**, Assistant Professor, School of Medicine, Harvard University

(哈佛大學醫學院許益祥教授)

Room: 54-100

"MicroRNA-mediated Regulatory Network Driven by MYCN in Neuroblastoma"

Dr. Hsueh-Fen Juan

Professor, Institute of Biomedical Electronics and Bioinformatics, Institute of Molecular and Cellular Biology, and
Department of Life Science, Center for Systems Biology and Bioinformatics
National Taiwan University

(台灣大學分子細胞生物學研究所阮雪芬教授)

"Tapping into chemodiversity in plants: from natural product biosynthesis to mechanism-based herbal medicine"

Dr. Jing-Ke Weng

Assistant Professor, Whitehead Institute for Biomedical Research and
Department of Biology
Massachusetts Institute of Technology

"Development of flavivirus inhibitors"

Dr. Hongmin Li

Research Scientist, the Division of Genetics, Wadsworth Center, NYSDOH and
Associate Professor, Department of Biomedical Sciences
The State University of New York at Albany

"Population dynamics and synthetic biology in antibacterial treatment"

Dr. Cheemeng Tan

Assistant Professor, Department of Biomedical Engineering
Society in Science – Branco Weiss Fellow
University of California, Davis

8/1 (Fri) 1:05 pm - 2:35 pm: Lunch

Parallel Sessions:

8/1 (Fri) 2:35 pm – 4:05 pm: Technical Session D2-YA-T1: Broadband, Wireless Computing, Communication and Applications, New Media and Multimedia Systems, Web, Cloud Computing and Data Mining

Chair: **Dr. Chen-Hsiang (Jones) Yu**, Founder and CEO, Prentice Lab

(Prentice Lab余禎祥博士)

Room: 56-114

Ms. Lining (Lizzie) Yao

PhD Candidate, Tangible Media Group

MIT Media Lab

Massachusetts Institute of Technology

“MoveInk: an Interactive Gestural Pen Animation”

Ms. Sheng-Ying (Aithne) Pao

PhD Candidate, MIT Media Lab

Massachusetts Institute of Technology

(麻省理工學院媒體實驗室包盛盈)

“High-Performance Complex Event Processing for Decision Analytics”

Mr. Haopeng Zhang

PhD Candidate, School of Computer Science

University of Massachusetts Amherst

(马萨诸塞大学安默斯特分校计算机学院张浩鹏博士)

8/1 (Fri) 2:35 pm – 4:05 pm: Technical Session D2-YB-T1: Machine Learning and Big Data, Biostatistics, In Silico Research and Biomedical Informatics

Chair: **Dr. Woei-jyh (Adam) Lee**, Tyser Teaching Fellow of Information Systems, Robert H. Smith School of Business, University of Maryland, College Park

(馬里蘭大學學院市分校史密斯商學院李偉智教授)

Room: 56-154

"Genomic data integration to repurpose drugs for complex diseases"

Dr. Di Wu

Postdoctoral fellow, Department of Statistics

Harvard Medical School

"MAGeCK enables robust identification of essential genes from genome-scale CRISPR-Cas9 knockout screens"

Dr. Wei Li

Postdoctoral Research Fellow, Department of Biostatistics and Computational Biology

Dana-Farber Cancer Institute, Harvard School of Public Health

Dr. Ying Shen

Postdoctoral Associate, Computational Biomedicine

Department of Medicine

Boston University

"Molecular Organization of the GARP Vesicle Tethering Complex"

Dr. Hui-Ting Chou

Postdoctoral Fellow, Department of Cell Biology
Harvard Medical School

8/1 (Fri) 2:35 pm – 4:05 pm: Technical Session D2-YC-T1: Medicine and Life Sciences, Biomaterials, Biomedical Sciences and Engineering

Chair: **Dr. Hsiang-Ying (Sherry) Lee**, Postdoctoral Associate, Whitehead Institute for Biomedical Research, Massachusetts Institute of Technology

(麻省理工學院李湘盈博士)

Room: 54-100

"Epigenetics of Genetic Switches: Micro and Macro Views"

Dr. Jian Xu

Instructor in Pediatric Hematology-Oncology
Boston Children's Hospital, HHMI, Harvard Medical School

Dr. Yuyu Song

Postdoctoral Research Fellow, Howard Hughes Medical Institute
Yale University School of Medicine and
Visiting Research Fellow in Systems Biology, Howard Hughes Medical Institute
Harvard Medical School

"Humanization of an anti-CCR4 antibody and its functional role in cancer immunotherapy"

Dr. DeKuan Chang

Postdoctoral Fellow, Department of Cancer Immunology & AIDS
Dana-Farber Cancer Institute
Harvard Medical School

Dr. Sidi (Steve) Chen

Damon Runyon Cancer Research Fellow, Koch Institute for Integrative Cancer Research
Massachusetts Institute of Technology

8/1 (Fri) 4:05 pm – 4:20 pm: Break

Parallel Sessions:

8/1 (Fri) 4:20 pm – 5:50 pm: Technical Session D2-YA-T2: Broadband, Wireless Computing, Communication and Applications, New Media and Multimedia Systems, Web, Cloud Computing and Data Mining

Chair: **Dr. Chen-Hsiang (Jones) Yu**, Founder and CEO, Prentice Lab

(Prentice Lab 余禎祥博士)

Room: 56-114

"Accountable HTTP"

Ms. Oshani Seneviratne

PhD Candidate, Computer Science and Artificial Intelligence Laboratory
Department of Electrical Engineering and Computer Science
Massachusetts Institute of Technology

"Loco-Radio - an Augmented-Reality Music Player for Mobile Users"

Dr. Wu-Hsi Li

Founder/CEO, CharmPI.com
Massachusetts Institute of Technology
(麻省理工學院媒體實驗室李務熙博士)

“A newly designed selection method and its evaluation for camera-based mouse-replacement systems”

Ms. Wenxin Feng

PhD Student, The Computer Science Department
Boston University

8/1 (Fri) 4:20 pm – 5:50 pm: Technical Session D2-YB-T2: Machine Learning and Big Data, Biostatistics, In Silico Research and Biomedical Informatics

Chair: **Dr. Woei-jyh (Adam) Lee**, Tyser Teaching Fellow of Information Systems, Robert H. Smith School of Business, University of Maryland, College Park

(馬里蘭大學學院市分校史密斯商學院李偉智教授)

Room: 56-154

“Processing Vastly Growing Human Genomic Data”

Dr. Wan-Ping Lee

Senior Lead Scientist, R&D
Seven Bridges Genomics, Inc.

(Seven Bridges Genomics李婉萍博士)

“Personalized Genomic Medicine - Current Strategies and Bioinformatics Pipelines”

Dr. Ellen Ay-Lun Tsai

Sr. Bioinformatician, Partners Healthcare
Research Fellow, Harvard Medical School and Brigham and Women’s Hospital

Dr. Wen-Chi Chou

Postdoctoral Research Fellow, Hebrew SeniorLife
Harvard Medical School

"Identification of novel muscle secreted proteins (myokines) using RNAseq"

Dr. Chia-Ling Wu

Postdoctoral Research Associate, Whitaker Cardiovascular Institute
Boston University

8/1 (Fri) 4:20 pm – 5:50 pm: Technical Session D2-YC-T2: Medicine and Life Sciences, Biomaterials, Biomedical Sciences and Engineering

Chair: **Dr. Hsiang-Ying (Sherry) Lee**, Postdoctoral Associate, Whitehead Institute for Biomedical Research, Massachusetts Institute of Technology

(麻省理工學院李湘盈博士)

Room: 54-100

“Drug-Induced Ablation of Activated Pin1 Selectively in Cancer Cells Has Potent Anticancer Activity by Inhibiting Many Cancer-Driving Pathways”

Dr. Shuo (Dennis) Wei

Susan G. Komen Research Fellow, Beth Israel Deaconess Medical Center and
Harvard Medical School

(哈佛醫學院魏碩博士)

"Cells, Tissues, and Scaffolds: Seeing Them All – Photoacoustic Imaging in Regenerative Engineering"

Dr. Y. Shrike Zhang

Postdoctoral Research Fellow, Department of Medicine
Brigham and Women's Hospital, Harvard Medical School
Harvard-MIT Division of Health Sciences and Technology

"Real-Time Visualization of JC Virus Internalization"

Dr. Yi-ying Chou

Postdoctoral Fellow, Department of Cell Biology, Harvard Medical School and
Cellular and Molecular Medicine Program, Boston Children's Hospital

(哈佛醫學院周怡吟博士)

"Computational Design of a Peptide-based Self-assembling Nano-Cube"

Dr. Jian Zhang

Postdoctoral Associate, Department of Computer Science
Dartmouth College

Dr. Hsiang-Ying (Sherry) Lee

Postdoctoral Associate, Whitehead Institute for Biomedical Research
Massachusetts Institute of Technology

(麻省理工學院李湘盈博士)