



International Symposium of One Health: the Role of Microbe

June 15, 2016, Boston, USA

**Posner Hall, Tufts University
200 Harrison Avenue, Boston, MA 02111**

Organizers:

Host: Sino-Micro (Overseas Chinese Society of Microbiology)
Support: American Society for Microbiology
Chinese Society for Microbiology
Tufts University School of Medicine

Co-Chairs: Frank X. Yang, Ph.D., Indiana University School of Medicine
Chuanwu Xi, Ph.D., University of Michigan

Organization Committee:

Frank X. Yang, Ph.D., Indiana University School of Medicine
Chuanwu Xi, Ph.D., University of Michigan
Oliver He, Ph.D., University of Michigan
Xin Li, Ph.D., Tufts University School of Medicine
Howard Xu, Ph.D., California State University

Time and Venue:

Time: June 15, 2016

Venue: Posner Hall, Tufts University, 200 Harrison Avenue, Boston, MA 02111

We are grateful to the support from the following sponsors:



Meeting Program

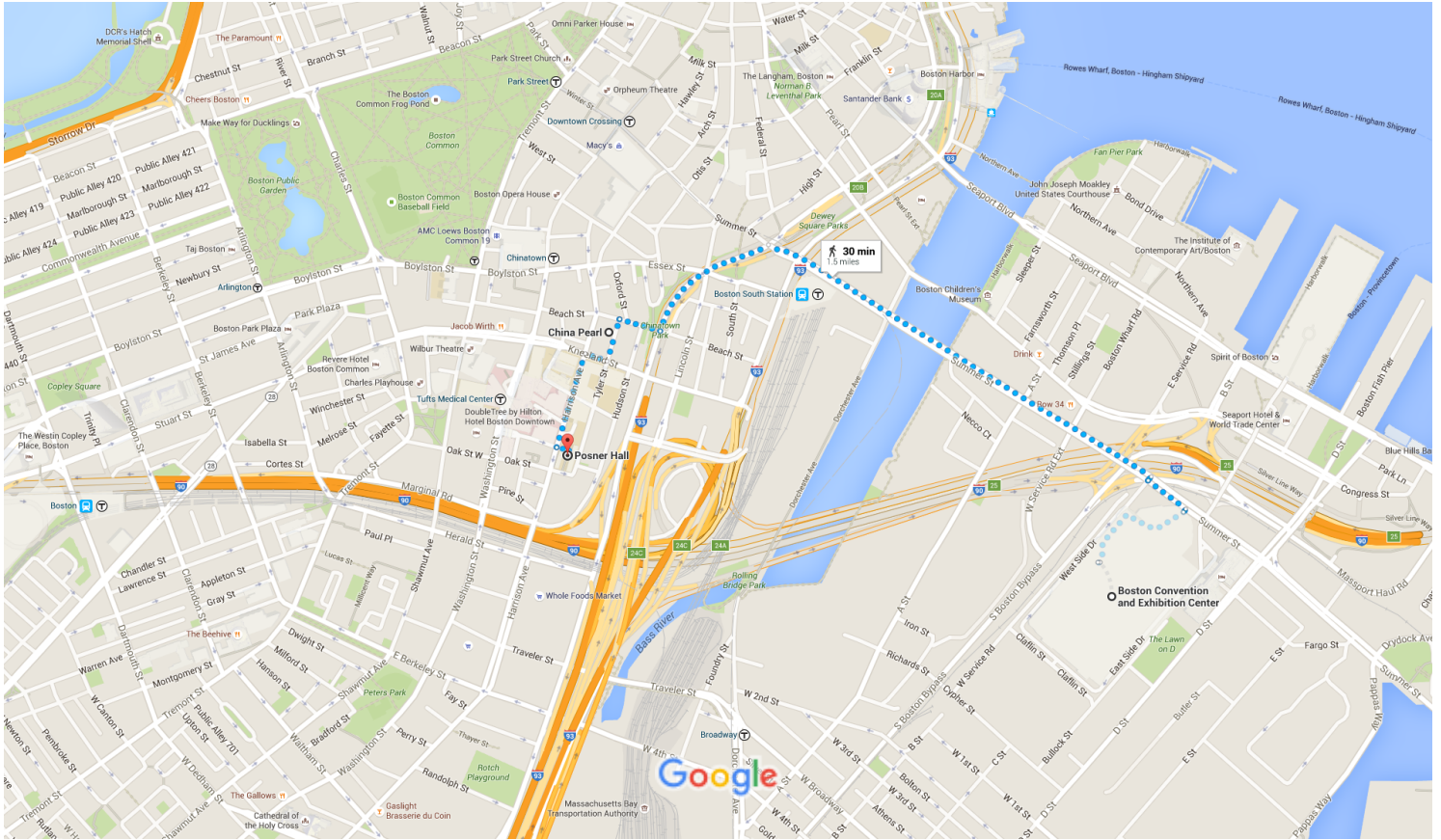
8:30 am - 9:00 am	Register/Check-in
9:00 am - 9:40 am	Welcome / Introductory Comments
	Chuanwu Xi, President-elect and Secretary, Sino-Micro Frank X. Yang, President, Sino-Micro James Tiedje, Treasure, American Society for Microbiology John Leong, Chair of Department of Molecular Biology and Microbiology, Tufts University School of Medicine
9:40 am - 11:00 am	Microbiome and Synthetic Biology Moderator: Qijing Zhang
9:40-10:00	Wenyuan Shi, UCLA Oral microbiome and National Microbiome Initiative
10:00-10:20	Pinghua Liu, Boston University New Natural Product Sources and Synthetic Biology to Generate Leads
10:20-10:40	Jun Lin The University of Tennessee Bile salt hydrolase: a promising microbiome target for enhanced animal production and human health
10:40-11:00	Zhili He, University of Oklahoma Global Water Microbiome
11:00 am - 12:00 pm	Microbial pathogenesis Moderator: Zhao-Qing Luo
11:00-11:20	John Leong, Tufts University Pathogen-host interactions
11:20-11:40	Zhao-Qing Luo, Purdue University Ubiquitination lessons taught by a bacterial pathogen
11:40-12:00	Yinduo Ji, University of Minnesota Role of AirSR two-component system in Staphylococcus aureus survival in human blood
12:00 am - 1:00 pm	Lunch Break BIOLOG Tech Forum, Stacy Montgomery (10 minutes)
1:00 pm - 2:20 pm	Microbes and Virulence factors Moderator: Hua Wang
1:00-1:20	Qijing Zhang, Iowa State University Uncovering specific mutations responsible for bacterial virulence
1:20-1:40	Youjun Feng, Zhejiang University School of Medicine Metabolic evidence that biotin is a nutritional virulence factor
1:40-2:00	Hong-Yu Ou, Shanghai Jiaotong University Comparative Analysis of Bacterial Integrative and Conjugative Elements

2:00-2:20	Jianjun Sun, University of Texas at El Paso Roles of ESAT-6 in Mycobacterium tuberculosis pathogenesis
2:20 pm - 4:00 pm	Antibiotic Resistance and Applied Microbiology Moderator: Howard Xu
2:20-3:40	Hua Wang, The Ohio State University Antibiotic Resistance Mitigation: Time for Paradigm Change
2:40-3:00	Xiaoxue Wang, South China Sea Institute of Oceanology, CAS Characterization of toxin-antitoxin systems in marine bacteria
3:00-3:20	HongminLi, Wadsworth Center, New York State Department of Health The Prp8 Intein as a Target for Inhibition of Pathogenic Fungi
3:20-3:40	Howard Xu, California State University Target Identification Platform for Antibacterials: TIPA systems for antibiotic drug discovery
3:40-4:00	Zhi Zhou, Purdue University Antibiotic resistance in urban and natural environments
4:00 am - 4:20 pm	Coffee Break
4:20 pm - 5:20 pm	Diagnosis and Vaccines Moderator: Oliver He
4:20-4:40	Yi-Wei Tang, Memorial Sloan Kettering Cancer Center Progress toward a quick and accurate laboratory diagnosis of septicemia
4:40-5:00	Shan Lu, University of Massachusetts Medical School DNA Vaccine
5:00-5:20	Oliver He, University of Michigan Vaccine Design: genomic perspective
6:00 pm - 9:00 pm	Dinner and Sino-Micro Business Meeting (open to Sino-Micro Members)
	Address: China Pearl Restaurant, 9 Tyler Street, Boston, MA 02111



Boston Convention and Exhibition Center to Posner Hall, Boston, MA 02111

Walk 1.5 miles, 30 min



Map data ©2016 Google 500 ft


Boston Convention and Exhibition Center Use caution - may involve errors or sections not suited for walking


415 Summer Street, Boston, MA 02210


1. Walk for 0.0 mi 0.0 mi


2. Take the elevator down to the 1st floor 20 ft


3. Walk for 0.2 mi 0.2 mi


-  4. Head northeast toward Summer St 30 ft


-  5. Turn left onto Summer St 367 ft

-  6. Turn right onto West Side Dr 39 ft

-  7. Turn left onto Summer St 0.7 mi

-  8. Turn left onto John F Fitzgerald Surface Rd/Surface Rd 0.2 mi


-  9. Turn right onto Beach St 325 ft


-  10. Turn left onto Tyler St 105 ft
i Destination will be on the right


25 min (1.2 mi)


China Pearl

9 Tyler Street, Boston, MA 02111

-  11. Head south on Tyler St toward Kneeland St 230 ft

-  12. Turn right onto Kneeland St 180 ft

-  13. Turn left onto Harrison Ave 0.1 mi

-  14. Turn left at Nassau St 98 ft
i Destination will be on the right

5 min (0.2 mi)

Posner Hall

Boston, MA 02111

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Posner Hall: 200 Harrison Ave., Boston, MA 02111. There is a telecom system installed in front of the entry, which connects to the dormitory office, and you can ask the person to open the door for you. Not sure if this works off-hours.

China Pearl: 9 Tyler Street, Boston, MA 02111. Dinner and business meeting site. The restaurant's phone number is (617) 426-4338.

Contacts:

Frank Yang: (317) 985-2828

Chuanwu Xi: (217) 714-4835

Oliver He: (734) 356-6761

Zhuoteng Yu: (617) 636-4657; (339) 293-2731



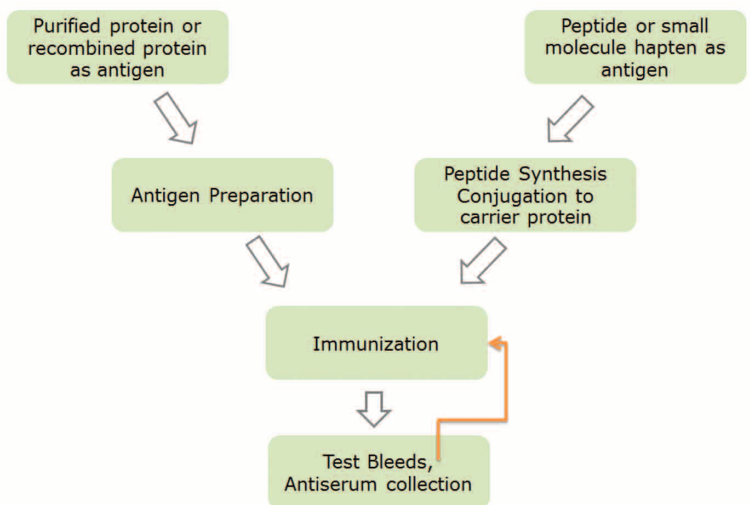
Antibody Production Services

Antisera Production - Produce polyclonals in rabbits or rats in 70 days, saving you time and money!

Mouse Ascites Production - Produce mAb from 10 to 50 mice in 5 weeks!

Monoclonal Hybridoma Development - Use 5 Balb/c mice, and the subcloning to guarantee the clonality of cell lines.

Find out more
visit www.general-bioscience.com



Antibodies, Peroxidase Substrates for Immunoassays

HRP-conjugated Secondary Antibodies

Description	Applications	Cat. No.
Anti-Mouse IgG (H+L), HRP-Conjugated	WB, ELISA	GM5201
Anti-Rabbit IgG (H+L), HRP-Conjugated	WB, ELISA	GR2201
Anti-Human IgG (H+L), HRP-Conjugated	WB, ELISA	GH9201

Peroxidase Substrates

Description	Applications	Cat. No.
TMB One Solution Substrate for ELISA	ELISA	TMB-001
Chemiluminescent Kit	WB	CL-401
DAB Substrate Kit	WB, IHC, ICC	DAB-301
AEC Substrate Kit	IHC, ICC	AEC-001

Hapten & Tag Antibodies

Description	Applications	Cat. No.
Anti-Biotin	WB, IP, ELISA, IHC	AB75001
Anti-Digoxigenin	WB, IP, ELISA, IHC	AB79295
Anti-His(6X) tag	WB, IP, ICC, IHC, FC	AB20146
Anti-Methylcytosine (5-mC)	MeDIP, ELISA, IHC, ICC	AB20231
Anti-PEG	IHC, ELISA	AB20105

Human Immunoglobulin Antibodies

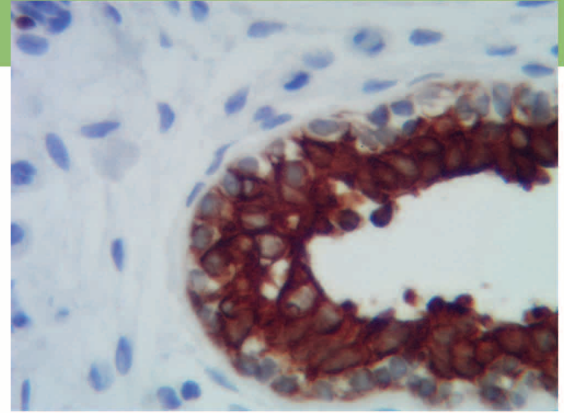
Description	Host/Clonality	Cat. No.
Anti-Human IgG (H+L)	Goat/polyclonal	GH9200
Anti-Human IgA	Goat/polyclonal	GH9300
Anti-Human IgD	Rabbit/monoclonal	AB20123
Anti-Human IgE	Mouse/monoclonal	AB23347
Anti-Human IgG Fc	Mouse/monoclonal	AB23420
Anti-Human IgM	Rabbit/monoclonal	AB20121
Anti-Human kappa Light Chain	Rabbit/monoclonal	AB20103
Anti-Human lambda Light Chain	Rabbit/monoclonal	AB20110

Immunohistochemistry (IHC) Detection Reagents

TruVision™ Poly-HRP IHC Detection Reagents

Superior sensitivity & high specificity - TruVision™ Poly-HRP conjugate offers low limit detection with a clean staining performance.

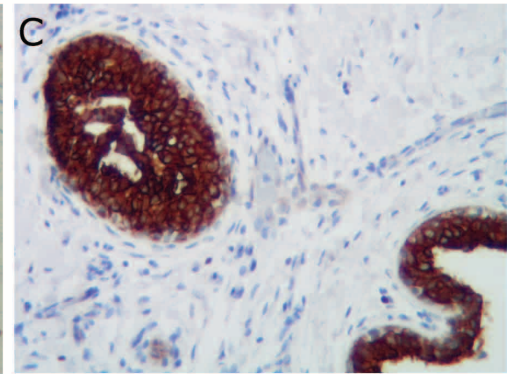
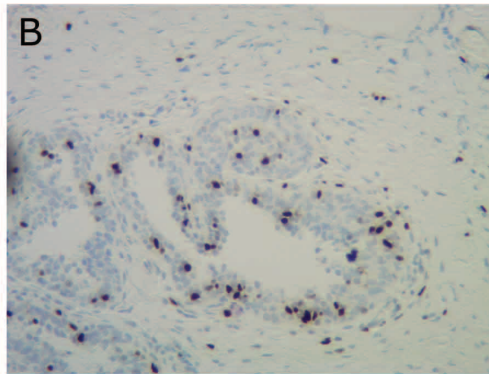
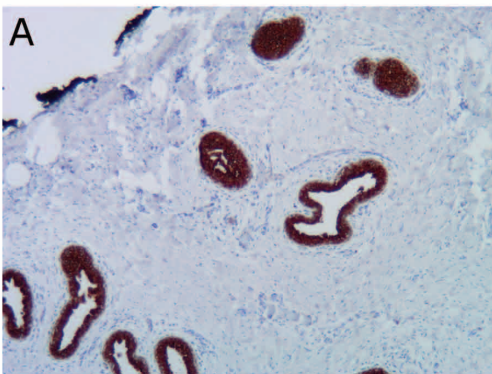
Rapid Detection - The Poly-HRP reagent is suitable for a rapid immunohistochemistry procedure to obtain a satisfactory result. There is no biotin blocking step involved in the IHC staining protocol.



The **TruVision™** poly-HRP IHC reagent features our proprietary polymer HRP technology to provide superior performance for immunostaining. The poly-HRP conjugate is created by attaching compact peroxidase enzyme clusters to antibody without using large linear backbone molecules. The compact poly-HRP conjugate has better accessibility to its target. This novel approach does not rely on biotin-avidin mechanism, and therefore eliminates potential background staining due to endogenous biotin activity.

Ordering Information

Description	Format	Cat. No.
Anti-Mouse IgG Poly-HRP IHC Reagent	RTU	IHC-5281
Anti-Rabbit IgG Poly-HRP IHC Reagent	RTU	IHC-2281
Poly-HRP IHC Detection Kit (anti-mouse/rabbit, with DAB)	Kit	IHC-701
DAB Substrate Kit	Kit	DAB-301



Immunostaining of human breast carcinoma with Poly-HRP Conjugate IHC Reagents. **(A)** Cytokeratin 7 Detection: incubation with mouse anti-CK7 (30 min), Anti-mouse Poly-HRP Conjugate Reagent (10 min) (Cat. No. IHC-5281), and DAB substrate for 5 min (Cat. No. DAB-301). **(B)** Ki67 Detection: incubation with rabbit anti-Ki67 (30 min), Anti-Rabbit Poly-HRP Conjugate Reagent (10 min) (Cat. No. IHC-2281), and DAB substrate for 5 min (Cat. No. DAB-301). **(C)** Cytokeratin 7 Detection: the same detection procedure used as in (A).

