

Symposium Announcement

The Changing Landscape of Vaccine Development: Vaccines for Biothreats and Emerging & Neglected Diseases

November 10-12, 2009 - Moody Gardens Convention Center, Galveston, Texas

The Sealy Center for Vaccine Development at The University of Texas Medical Branch in Galveston, in conjunction with the James W. McLaughlin Fellowship Fund and the journal *Vaccine*, is proud to announce the third in a series of symposia centered around the theme of, *The Changing Landscape of Vaccine Development*. This third symposium is entitled, *Vaccines for Biothreats and Emerging and Neglected Diseases*. Focusing on the progression of vaccine development from the bench to the bedside to the global community, this symposium will bring together experts from the fields of immunology, pathogenesis, adjuvant systems, preclinical development, clinical trials, epidemiology, risk assessment, governmental regulation, and vaccine acceptance.

FINAL PROGRAM

Tuesday (11/10/09)

- 7:00-8:00 Continental Breakfast and Registration**
- 8:15-8:30 Welcome and Opening Remarks**
David L Callender, MD, MBA, FACS
President, The University of Texas Medical Branch
Alan Barrett, PhD
Director, Sealy Center for Vaccine Development, The University of Texas Medical Branch
- 8:30-9:30 JAMES W. McLAUGHLIN LECTURE**
Introduction: Ashok Chopra, PhD
Kathryn Zoon, PhD – National Institute of Allergy and Infectious Diseases
“Vaccine Development Efforts for Biothreats and Emerging and Neglected Diseases in the NIAID Division of Intramural Research”
- 9:30-12:00 Session 1 – Getting Vaccines To Those Who Need Them** (Moderator: David Beasley, PhD)
Kevin Anderson, PhD – Department of Homeland Security
“Bioterrorism Preparedness: A Risk-based Approach to Prioritizing Vaccine Research & Development Efforts”
C Todd Davis, PhD – Centers for Disease Control and Prevention
“Planting the Seed: Pandemic H1N1 Vaccine Strain Selection and Development”
- 10:30-11:00 Break**
David Taylor, MD – VaxInnate, Inc
“A Pandemic H1 Swine Influenza Vaccine for Global Application”
Larry Smith, PhD – Vical Inc
“DNA Vaccines: Rapid Response to Pandemic Outbreaks”
- 12:00-1:30 LUNCH**
- 1:30-6:00 Session 2 – Bacterial Vaccines** (Moderator: Mark Estes, PhD)
John Shiver, PhD – Merck and Co, Inc
“Development of a Novel Staphylococcus Aureus Vaccine Based on a Conserved Protein Antigen”

David Walker, MD – The University of Texas Medical Branch

"Vaccines for Rickettsial Diseases"

Greg Bancroft, PhD – London School of Hygiene and Tropical Medicine

"Cell Mediated Immune Responses and Vaccines Against Burkholderia Pseudomallei"

David Stephens, MD – Emory University

"Protecting the Herd: the Effectiveness of Bacterial Polysaccharide-Protein Conjugate Vaccines"

3:30-4:00 Break

L Garry Adams, DVM, PhD – Texas A&M University

"Development of Human Brucellosis Vaccine Candidates"

Johnny Peterson, PhD – The University of Texas Medical Branch

"Pathophysiology of Inhalation Anthrax"

Leonard Smith, PhD – United States Army Medical Research Institute for Infectious Diseases

"Botulism and Vaccines for its Prevention"

Jason Huntley, PhD – University of Texas Southwestern (short talk)

"Defining the Correlates of Protective Immunity to Type A Francisella Tularensis"

Yongqun He, PhD – University of Michigan (short talk)

"Bioinformatical Analysis of Vaccines Against Brucella Infections Using the VIOLIN Vaccine Database and Vaccine Ontology"

6:00-7:30 Poster Session / Hors d'oeuvres & Cocktails

Wednesday (11/11/09)

7:00-8:00 Continental Breakfast / Meet the Speakers

8:00-9:00 THE Vaccine LECTURE

Introduction: Alan Barrett, PhD

Greg Poland, MD – Mayo Clinic

"Vaccinomics and Personalized Vaccinology"

9:00-10:15 Session 3 – Enhancing the Immune Response (Moderator: Richard Rupp, MD)

Karen Haas, PhD – Wake Forest University

"Factors Regulating the Protective Humoral Immune Response to Streptococcus Pneumoniae"

Brenton Scott, PhD – Pulmotec Inc

"Toll-like Receptor Synergy in Stimulated Innate Resistance"

10:15-10:45 Break

10:45-12:45 Session 4 - Vaccines for Developing Countries and Global Threats

(Moderator: Gregg Milligan, PhD)

Sara Lustigman, PhD – Lindsley F. Kimball Research Institute, New York Blood Center

"Vaccines against Onchocerciasis"

Thomas Richie, MD, PhD – Naval Medical Research Center/Walter Reed Army Institute of Research

"Mechanism Versus Immunogen: Approaches to Malaria Vaccine Development"

Maria Bottazzi, PhD – George Washington University

"The Antipoverty Vaccines: Innovation and New Tools for the Control of Soil-transmitted Helminth Infections"

Nisha Garg, PhD – The University of Texas Medical Branch

"Current Status of Vaccine Development Efforts Against Trypanosoma Cruzi and Chagas Disease"

12:45-2:15 LUNCH

2:15-3:15 JOHN LaMONTAGNE LECTURE

Introduction: Martin Myers, MD

Stanley Plotkin, MD – Vaxconsult

"Designing the Ideal Vaccine"

3:15-5:45 Session 5 – Vaccines for Special populations (Moderator: Christine Turley, MD)

Shan Lu, MD, PhD – University of Massachusetts at Worcester

“Antigen Engineering for the Development of Vaccines for Emerging Infectious Diseases”

3:45-4:15 Break

Sharon Frey, MD – St. Louis University

“Smallpox Scourge: Current Clinical Trials and Future Direction”

W Henry Boom, MD – Case Western Reserve University

“Immune Evasion by M. Tuberculosis: A Challenge to be Overcome by New TB Vaccines”

Mary Estes, PhD – Baylor College of Medicine

“Norovirus Vaccines: Progress and Challenges”

5:45-7:15 Poster Session & Judging / Hors d'oeuvres & Cocktails

Thursday (11/12/09)

7:00-8:00 Continental Breakfast / Meet the Speakers

8:15-9:45 Selected short talks (6 x 15 min) (Moderator: Gregg Milligan, PhD)

Robert Alaniz, PhD – Texas A&M Health Science Center (short talk)

“New Generation Nano-complex Vaccines Based on the Membrane Vesicle Platform”

Janice Endsley, PhD – The University of Texas Medical Branch (short talk)

“Impairment of Human CD8+ T Cell Antimycobacterial Function by HIV-1”

Karuppiah Muthumani, PhD – The University of Pennsylvania (short talk)

“Optimization and Characterization of a Chikungunya Virus (CHIKV) Specific Vaccine”

Tetsuro Ikegami, DVM, PhD – The University of Texas Medical Branch (short talk)

“Role of NSs Functions in the Replication of Rift Valley Fever Virus Vaccine Candidate, MP-12”

Ramon Flick, PhD – BioProtection Systems Corp (short talk)

“Rift Valley Fever Virus-like Particle (VLP)-based Vaccine Candidates Protect Against Lethal Challenge”

Gavin Bowick, PhD – The University of Texas Medical Branch (short talk)

“Comparative Pathogenesis and Virus-Host Interactions for Vaccine Development”

9:45-10:15 Break

10:15-12:15 Session 6 – Viral Vaccines and Vaccine Platforms (Moderator: Nigel Bourne, PhD)

John Dong, PhD – GenPhar, Inc

“The CAdVax as an Effective and Versatile Multivalent Platform Technology Against Biodefense Agents”

Christian Mandl, MD, PhD – Novartis Vaccines and Diagnostics, Inc

“West Nile Virus Vaccine Strategies Based on Capsid Deletion Mutants and Subviral Particles”

and
“The Response to Pandemic Influenza”

Scott Weaver, PhD – The University of Texas Medical Branch

“Novel Approaches to Alphavirus Attenuation”

Heinz Feldmann, MD, PhD – National Institute for Allergy and Infectious Diseases

“Marburg and Ebola Viruses: Pre- and Post-Exposure Vaccination”

12:15-12:30 Closing and Presentation of Post Graduate, Post Doctoral and Resident Awards

SHORT TALKS AND POSTER ABSTRACTS

Attendees (**faculty members, scientists, postdoctoral, resident and graduate trainees**) are invited to submit their research related to the area of vaccines for biodefense and emerging and neglected infectious diseases for consideration as either a **short talk** or a **poster**. In addition to posters, the symposium program includes nine short talks (each limited to 15mins, including questions).

Abstracts should be submitted by email as Microsoft Word documents to Sandra Rivas (smrivas@utmb.edu) and should include the title, names of authors, addresses, and submitting author's email address. The text of the abstract should not to exceed 400 words. Please indicate if you wish to present your findings via a short talk, a poster or either.

The deadline for abstract submission is September 15, 2009.

Authors will be informed whether their presentation has been selected as a poster or short talk by Tuesday September 29, 2009.

The deadline for early registration is September 30 and the deadline for discounted hotel reservations is October 16.

Awards, sponsored by the journal *Vaccine*, will be given for the best graduate student and postdoctoral/resident trainee poster and oral presentations.

For more information please visit www.utmb.edu/scvd/

To register, please visit http://www.utcm.net/bak_ssl/bak_LoginStatus01.aspx?EventID=1164

REGISTRATION FEE:

All Graduate Students, Postdoctoral Fellows, Clinical Fellows, Research Assistants/Associates	\$50.00
UTMB employees that are NOT Graduate students, Fellows, or Research Assist./Assoc.	\$175.00
All others (early fee on/or before 9-30-09)	\$300.00
All others (fee after 9-30-09)	\$350.00

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ACCOMMODATION:

A block of rooms has been reserved at Moody Gardens Resort at a rate of \$129 + tax per night, single or double occupancy. Reservations should be made directly with Moody Gardens Hotel at 1-888-388-8484. Please make reference to "UTMB Sealy Center for Vaccine Development Symposium". Hotel reservations must be made by October 16, 2009 to receive this special meeting rate.

Website: <http://www.moodygardenshotel.com>

For more information: <http://www.utmb.edu/scvd>

