

26th International Symposium/Workshop
TENTATIVE MOLECULAR DETECTION DAY AGENDA

Wednesday, July 19

MOLECULAR DETECTION DAY

Veterinary Medicine Complex, KSU Campus

- 8:15 a.m. Dormitory van to Veterinary Medicine Complex
 Holidome van to Veterinary Medicine Complex
- 8:30 a.m. Instrumentation lecture (Dr. Millicent Goldschmidt)
- 10:00 a.m. Introduction to the Vet School
- 10:15 a.m. Break
- 10:30 a.m. “Basic Principles and Applications of PCR”
 Dr. Richard Oberst, Quarter Century Fellow
- 11:00 a.m. Introduction of cultures into PCR units: Thermal Cyclers begin
Applied BioSystems, Dupont Qualicon, Cepheid, and Warnex Diagnostics
- 11:30 noon Working Lunch at the Veterinary School
- 1:30 p.m. Break
- 1:45 p.m. Rotations Begin
 TaqMan (Jonas Ruiz)
- Bax and Qualicon
- Cepheid (Zed Penn)
- Warnex Diagnostics, Inc. (Eileen Cole)
- 3:00 p.m. Core MicroSolutions (Wayne Liu)

Purdue University Biosensor Mini-Workshop

- 3:15 p.m. “Center for Food Safety Engineering at Purdue University”
 Dr. Richard Linton, Director
 Center for Food Safety Engineering, Purdue
- 3:20 p.m. “Novel approaches for detection of *Listeria monocytogenes* in foods”
 Dr. Michael Ladish, Professor
 Agricultural and Biological Engineering, Purdue
- Dr. Arun Bhunia, Professor
 Department of Food Science, Purdue

Dr. Rashid Bashir, Associate Professor
Electrical and Computer Engineering, Purdue

- 4:00 p.m. “Infrared sensors for rapid identification of foodborne microorganisms”
Dr. Lisa Mauer, Associate Professor
Department of Food Science, Purdue
- 4:20 p.m. “Use of bioluminescence for microbial detection”
Dr. Bruce Applegate, Associate Professor
Department of Food Science, Purdue
- 4:40 p.m. Break
- 4:55 p.m. “Immuno magnetic capture and biosensor amplification for pathogen detection in foods”
Shu-I Tu, Research Leader
USDA-ARS, Wyndmorr, PA
- 5:15 p.m. “Developing immunochemical methods for staphylococcal enterotoxin detection”
Marjorie Medina, Research Chemist
USDA-ARS, Wyndmorr, PA
- 5:35 p.m. “Phage display for biosensor development”
George Paoli, Microbiologist
USDA-ARS, Wyndmorr, PA
- 5:55 p.m. “Protein-based microarray for the detection of pathogenic bacteria in foods”
Andrew Gehring, Research Chemist
USDA-ARS, Wyndmorr, PA
- 6:15 p.m. Meeting Adjourn
- 6:20 p.m. Van from Veterinary School to Holidome
- 7:00 p.m. KSU van – residence hall to Holidome
- Evening: Workshop Banquet - Holidome**
- 6:00 p.m. Cash Bar
- 7:30 p.m. Banquet - Western (Cowboy) Barbeque. Dress appropriately. FUN!
- 8:30 p.m. Talent Show organized by Dr. P. C. Vasavada
Those with talents please volunteer!