

**Rapid Methods and Automation in Microbiology
 International Workshop XXVIII**



28th Annual

Rapid Methods and Automation in Microbiology XXVIII

Workshop Purpose

Rapid methods and automation is a dynamic area in applied microbiology dealing with the study of improved methods in the isolation, early detection, characterization, and enumeration of microorganisms and their products in clinical, food, industrial, and environmental samples. This workshop, "Rapid Methods and Automation in Microbiology," will focus on the practical application of conventional and new commercial systems of rapid identification of microorganisms from medical specimens, foods, water, and the environment. Workshop participants will receive eight days of intensive theoretical and hands-on training in microbiological automation under the direction of **Dr. Daniel Y. C. Fung**, an internationally known authority in the field.

A two-day mini-symposium will be offered as an integral part of the workshop. Workshop participants must attend both the mini-symposium and the workshop. Some individuals may opt to attend the mini-symposium only.

Designed for

- Microbiologists
- Food Scientists
- Medical Technologists
- Consultants
- Quality Assurance and Control Managers
- Laboratory Directors
- Researchers

Visiting Professors

Dr. Millicent Goldschmidt, Professor at The University of Texas Health Science Center at Houston, Medical School in the Department of Microbiology and Molecular Genetics, has authored more than 200 publications. Her particular expertise in microbiological instrumentation has led her to be recognized as an Outstanding Woman in Science by the Association for Women in Science in 1986 and as "Outstanding Alumna" for 2006 by the Department of Biological Sciences at Purdue University.

Dr. J. Stan Bailey is a research microbiologist with the United States Department of Agriculture, a Fellow of AAM and IAFP, Silver Medallion Fellow of the workshop, and adjunct professor at the University of Georgia and Kansas State University. He will be president of IAFP in 2009 and has published more than 500 publications in the area of poultry microbiology and microbiological methods.



*The host family
 Catherine and Daniel*

Sweden, Germany, Great Britain, France, Czechoslovakia, Canada, Israel, Italy, Egypt, Peoples Republic of China, Singapore, Finland, Iceland, Brazil, Turkey, Spain, Mexico, Thailand, Colombia, Poland, Hungary, Zimbabwe, Chile, Argentina, Hong Kong, the Philippines, Korea, Taiwan, and the United States. He has more than 800 publications in journals, books, and proceedings and is the recipient of the 2007 Outstanding Educator in Food Safety Award, given by Food Safety magazine and ConAgra at the IAFP national meeting in June 2007. He completed 100 graduate students (33 Ph.D. and 67 M.S.) as the major professor, and he is a Fellow of IFT, AAM, and IAFOST. He presented an invited lecture at Pasteur Institute in Paris during the 100th year commemoration of Pasteur's death in 1995. Dr. Catherine L. Fung is an honorary founding fellow.

Workshop Director

Dr. Daniel Y. C. Fung is professor of Food Science in the Department of Animal Sciences and Industry at **Kansas State University** and Distinguished Professor at the Autonomas University of Barcelona in Spain. He has presented lectures and symposia in

Assistant Director

Dr. Beth Ann Crozier-Dodson, Post-Doc, research associate, and Quarter Century Fellow, will coordinate the hands-on laboratory sessions and functions of the workshop. She presented workshops and lectures in the United States, Mexico, Norway, China, Spain, Italy, and elsewhere.

Guest Lecturers and Visiting Professors

Nelson A. Cox (a founding Fellow), **Reginald Bennett**, **P. C. Vasavada**, **Cecile Lahellec**, **Richard Oberst**, **Ann Marie McNamara**, **Julian Cox**, and **Scott Russell** have been guest lecturers in recent years.



P. C. Vasavada



Reginald Bennett



Julian Cox



Ann Marie McNamara



Scott Russell

**Twenty-Eighth International Symposium/Workshop
 Rapid Methods and Automation in Microbiology
 Kansas State University • June 13-20, 2008**

| | | | |
|--------------------------|---|------------|---|
| Thursday, June 12 | Arrival (Note 1) | 5:30 p.m. | Wine and Cheese Reception Industry Exhibits and Posters |
| Friday, June 13 | MINI-SYMPOSIUM* – All sessions at Clarion Hotel | 7:00 p.m. | Workshop and Mini-Symposium Opening Banquet (Great Kansas beef) |
| 10:00 a.m. | Registration | | "Food Safety and Security Strategies at K-State" Jerry Jaax, Research Vice Provost Kansas State University |
| 11:00 a.m. | Food Science Seminar Dr. Helene Bergis, AFSSA | | |
| Noon | Industry Exhibits and Posters (Note 2) Lunch on your own | | Saturday, June 14 Morning sessions at Clarion Hotel |
| 1:00 p.m. | Welcome Dr. Ken Odde, Department Head Animal Sciences and Industry Kansas State University | 8:30 a.m. | "25 Years of Rapid Methods and Global Market Trends and Predictions" Dr. Daniel Y. C. Fung, Director |
| | Dr. Curtis Kastner, Director Food Science Institute Kansas State University | 10:00 a.m. | Break Industry Exhibits and Posters |
| 1:15 p.m. | Paul A. Hartman Memorial Lecture "Global Food Microbiology and Rapid Methods" Dr. Paul Hall, ConAgra Foods | 10:30 a.m. | "Automation in Microbiology I" Dr. Millicent C. Goldschmidt, Professor University of Texas Health Science Center |
| 2:15 p.m. | Break Industry Exhibits and Posters | Noon | Working Lunch Open discussion on needs and experiences of Rapid Methods presented by a panel of experts |
| 3:00 p.m. | Parade of Participants | | |
| 3:30 p.m. | Distinguished and Silver Medallion Fellow Lecture "Use of Rapid Methods in the Food Industry" Dr. Ann Marie McNamara Silliker Laboratory | 1:00 p.m. | End of mini-symposium, industry exhibits and posters |
| | Distinguished and Quarter Century Fellow Lecture "Rapid Methods: An Update from the Pacific Rim" Dr. Julian Cox, Associate Professor University of New South Wales, Australia | | *The mini-symposium occurs on June 13 and 14. |

Note:
1. Arrival—At Manhattan Municipal Airport, call Clarion (direct phone line in baggage area) for courtesy van to Clarion or K-State residence hall. If you rent a car, be sure to obtain a K-State parking permit from Dr. Fung before Monday, June 16.
2. Poster Session—Please indicate on the registration form if you wish to present a scientific poster at the mini-symposium on June 13 and 14. Space will be available for display of posters. A certificate of participation will be issued to the senior author. Plaques will be awarded to the top three posters during the opening banquet on Friday, June 13.

The Rapid Methods International Microbiology Family
Previous participants, numbering about 4,000 scientists from 1981 to 2007, came from 60 countries. Since 1990, 40 internationally known scientists were designated as **Distinguished Fellows**. Since 1987, 55 outstanding graduate students and scholars were named Fellows. In the 25th anniversary celebration, **silver medallions** were presented to participants and 22 Distinguished Fellows.

Saturday, June 14
WORKSHOP STARTS (Call Hall, K-State campus)**

Assistant Director: Dr. Beth Ann Crozier-Dodson
Afternoon Laboratory: Viable Cell Counts – Conventional, Petrifilm, BBL, CHROMagar, Spiral plater, Hycheck, BD Diagnostics, 3M, Remel

Welcome Reception and Tour at Konza Prairie

Sunday, June 15

Morning Lecture and Laboratory: Trends and Applications of Diagnostic Kits (Dr. Stan Bailey), Bio-Rad, Biolog, Inc., Microbiology International
Afternoon Laboratory: API, Crystal, Enterotube, Centrus International, ISO-FUNG DT-System, MicroBioLogics

Optional Dinner at Hunam Chinese Restaurant (great Mongolian buffet)

Monday, June 16

Morning Lecture and Laboratory: Food pathogen detection – *Salmonella*, *Listeria*, *Campylobacter*: Conventional vs. Rapid Methods (Dr. Stan Bailey and Dr. P. C. Vasavada), U.S. Army Food Safety Program (Dr. Roger Parker)
Afternoon Laboratory: BioControl Products, BioBall™, Neogen, HiMedia Laboratories, bioMerieux, Inc. TEMPO

Optional Dinner at Harry’s Uptown Restaurant (fine dining)

Tuesday, June 17

Morning Lecture and Laboratory: Automation in Microbiology II, (Dr. Millicent Goldschmidt): Biotrace International, Inc./TECRA Diagnostics, Chemunex
Afternoon Laboratory: Bioscience International, Strategic Diagnostics, Inc., Biotek, Oxyrase, SAS Air Sampler, BioScreen

Workshop Picnic

Wednesday, June 18
MOLECULAR DETECTION DAY (Trotter Hall, Veterinary Medicine Complex, K-State campus)

Morning Lecture: Basic Principles and Applications of PCR (Dr. Richard Oberst), National Alliance for Food Safety and Security Mini-Symposium (Dr. Richard Linton & Dr. James Denton, Directors, and a panel of experts from Purdue University, USDA-ARS, and NAFSS)
Afternoon Laboratory: TaqMan, Bax, DuPont Qualicon, Cepheid, Wampex, Core MicroSolutions, Applied BioSystems

Workshop Farewell Banquet

Thursday, June 19

Morning Lecture: Rapid Methods for Monitoring Sanitation in Food Processing Facilities (Dr. Scott Russell), Food Allergy (Dr. P. C. Vasavada), Microbiological Analysis (Dr. Julian Cox)
Afternoon Laboratory: K-State Innovative Air and Water Sampling Research (Dr. Beth Ann Crozier-Dodson), New Horizons, Novel Approaches (Dr. Daniel Y. C. Fung)

Farewell Pool Party

Friday, June 20

Morning Lecture: Microbial Toxins and Food Safety (Reginald Bennett), general discussion and presentation of certificates (Dr. Daniel Y. C. Fung)
Noon: Workshop adjourns

** The participation of commercial companies and speakers is in the negotiation stage.

Social Activities

Welcome and farewell receptions, one lunch, two banquets, and a mid-week picnic are planned. Informal, optional dinner meetings will be arranged. Spouses are welcome to attend at no charge except for ticketed events. Due to hot weather, casual dress during the workshop is recommended. You may wish to wear coats and ties or dresses to the banquets.

Location

The Rapid Methods and Automation in Microbiology Symposium/Workshop will be held at the **Clarion** (formerly the Holiday Inn) in Manhattan, Kansas and at **Call Hall** and **Trotter Hall (Veterinary Medicine Complex)** on the Kansas State University campus.

Transportation

Manhattan has an airport served by US Airways. The charming city is approximately 130 miles west of Kansas City on Interstate Highway 70, a scenic drive of about two and one-half hours. KCI RoadRunner is an airport van shuttle service that runs between the Kansas City International Airport and Manhattan. For shuttle schedule information and reservations, call toll free in the United States at 1-800-747-2524, from outside the United States at 1-785-539-2284, or go to www.kciroadrunner.com. Reservations are recommended.

Accommodations

A block of rooms has been set aside for workshop participants at the Clarion Hotel, 530 Richards Drive. **Please refer to the workshop when making reservations directly with the Clarion at 1-785-539-5311.** The rate for a single or double room is \$71 plus tax per night. Please make reservations before **May 15, 2008** to receive the reduced rate.

Campus residence hall facilities featuring single rooms with bathrooms on each corridor are also available for workshop participants for \$35 per night. Transportation to and from workshop lectures and activities will be provided. Meals are available for purchase in the residence hall dining center. For more information or to reserve residence hall housing, call 1-785-532-2560 or e-mail debbieh@k-state.edu. **The deadline for reservations is May 15, 2008.**

Website

Visit www.dce.k-state.edu/conf/rapidmethods/ for complete program and registration information.

For other continuing education opportunities at K-State, visit the Division of Continuing Education website at www.dce.k-state.edu.

Industry Exhibitor/Participant

Commercial Rapid Systems are invited to exhibit their latest products during the mini-symposium on June 13-14 and to attend the entire workshop. To register as an industry participant, please contact Dr. Fung at dfung@k-state.edu.

Fees

Workshop

The registration fee for the 2008 *Rapid Methods and Automation in Microbiology Workshop* is \$2,255 (includes the mini-symposium and Molecular Detection Day). This includes eight days of program sessions, laboratories, and handout materials. Also included are two banquets, two lunches, one picnic, refreshment breaks, and receptions. Other meals, lodging, and transportation are not included. **Payment must be in U.S. dollars or by World Wide Money Order.**

Mini-Symposium

The registration fee for the mini-symposium on June 13-14 is \$650. The fee includes all sessions, handouts, refreshment breaks, one lunch, symposium banquet, and one reception.

Molecular Detection Day

A special one-day registration option is available for Molecular Detection Day on June 18. The day includes a Biosensor Mini-Workshop organized by Purdue University/USDA and the K-State College of Veterinary Medicine. This single-day registration fee is \$250.

University Credit

Two hours of graduate credit (optional and transferable) are available for an additional \$772. To register for credits, go to www.dce.k-state.edu/courses. Enter course number (FDSCI 713) or reference number (90370) in the appropriate field.

Continuing Education Units

Each participant will receive a certificate of participation upon completion of the workshop. Optional CEUs are available for an additional \$25.

Graduate Student Fellowships

Fellowships, including tuition, room, and board, may be awarded to highly qualified degree-seeking graduate students to participate in the workshop as special assistants. Contact Dr. Daniel Y. C. Fung for details. **Application deadline: May 15, 2008.**

Bank/Wire Transfer

In the bank/wire transfer, be sure to include Division of Continuing Education, Rapid Methods and Automation in Microbiology, and your last name.

Refund/Cancellation Information

The workshop registration fee, less a \$100 handling charge, will be cheerfully refunded if notice of cancellation is received on or before **June 1, 2008**. After that date, a 75 percent refund will be available until **June 6, 2008**. Due to guarantees we must give, no refund will be available after **June 6, 2008**.

The Division of Continuing Education may cancel or postpone any course or activity because of insufficient enrollment or other unforeseen circumstances. If a program is canceled or postponed, the Division of Continuing Education will refund registration fees but cannot be held responsible for other costs, charges, or expenses, including cancellation/change charges assessed by airlines or travel agencies.

Questions

If you have questions concerning the workshop scientific content or format, contact Dr. Daniel Y. C. Fung at 1-785-532-1208 or dfung@k-state.edu, or Dr. Beth Ann Crozier-Dodson at 1-785-532-1295 or bethann@k-state.edu.

Questions concerning registration or general information should be directed to the Rapid Methods and Automation in Microbiology program coordinator at **1-800-432-8222** in the U.S., or 1-785-532-2560 outside the U.S.

Fast, Easy Registration

Online Registration:

<http://www.dce.k-state.edu/conf/rapidmethods>



By Mail

Send registration form to Rapid Methods, 131 College Court Building, Kansas State University, Manhattan, KS 66506-6015.



By Fax

Fax the registration form to 1-785-532-2422. Attn: Rapid Methods.



By Phone

Call 1-800-432-8222 (in the U.S.) or 1-785-532-5569 (outside the U.S.) and ask for Conference Registration. Office hours: Mon.–Fri., 8 a.m. to 5 p.m. CST.

Limited Enrollment

Enrollment in the workshop is limited. Please register as soon as possible to guarantee your enrollment. There is no enrollment limit for the mini-symposium on June 13-14 or the NAFSS Molecular Detection Day on June 18.

Letter of Invitation

If you require a visa to enter the United States and need a letter of invitation to the workshop, please contact Dr. Fung. (This letter of invitation will be faxed to you or sent to you via e-mail. We will not send original letters to embassies or provide assistance in securing a visa.)

Workshop Hosts

The workshop is hosted by the Department of Animal Sciences and Industry and the Food Science Institute at Kansas State University.

Registration Form—Rapid Methods and Automation in Microbiology XXVIII

Register online at www.dce.k-state.edu/conf/rapidmethods

• _____
First Name Middle Initial Family or Last Name
(EXACTLY as you wish it to appear on certificate)
• _____
Job Title (Please be specific)
• _____
Company, Agency, or University
• _____
Address
• _____
City, State, ZIP Code, Country
• Telephone _____ • FAX _____
(include country and area codes for both numbers)
• E-mail _____
• Male Female

_____ **\$2,255 Workshop registration** (includes mini-symposium and Molecular Detection Day)
_____ **\$650 Mini-Symposium only** (June 13–14)
_____ **\$250 Molecular Detection Day only** (June 18)
_____ **\$25 CEUs** (optional)

To register for 2 hours of graduate credit, go to www.dce.k-state.edu/courses. Enter course number or reference number and click “Search.”

Method of Payment

- Check (payable to Kansas State University FEIN 48-0771751)
- Invoice my company at the address on form
- Charge to: MasterCard Visa Discover American Express
- Bank Wire Transfer

• _____
Print Cardholder’s Name Cardholder’s Signature
• _____
Card Number Expiration Date

Assistance for Participants with Disabilities/Dietary Requirements
In order to assist you, please indicate by May 15, 2008 any special requirements and assistance needed. _____

To register by telephone, call **1-785-532-5569** and ask for conference registration. FAX your registration to **1-785-532-2422** or e-mail registration@k-state.edu.

Roster Release

_____ Initial here if you do not want your name on the participant roster for this program.

Return this form to:

Rapid Methods and Automation in Microbiology—Registration
Kansas State University
Division of Continuing Education
131 College Court Building
Manhattan, KS 66506-6015 USA

- I request vegetarian meals. (Due to guarantees that must be given in advance, changes cannot be permitted at the workshop.)
- Poster Presentation _____ Yes _____ No _____ 8 feet x 4 feet maximum

Senior Author of Poster: _____

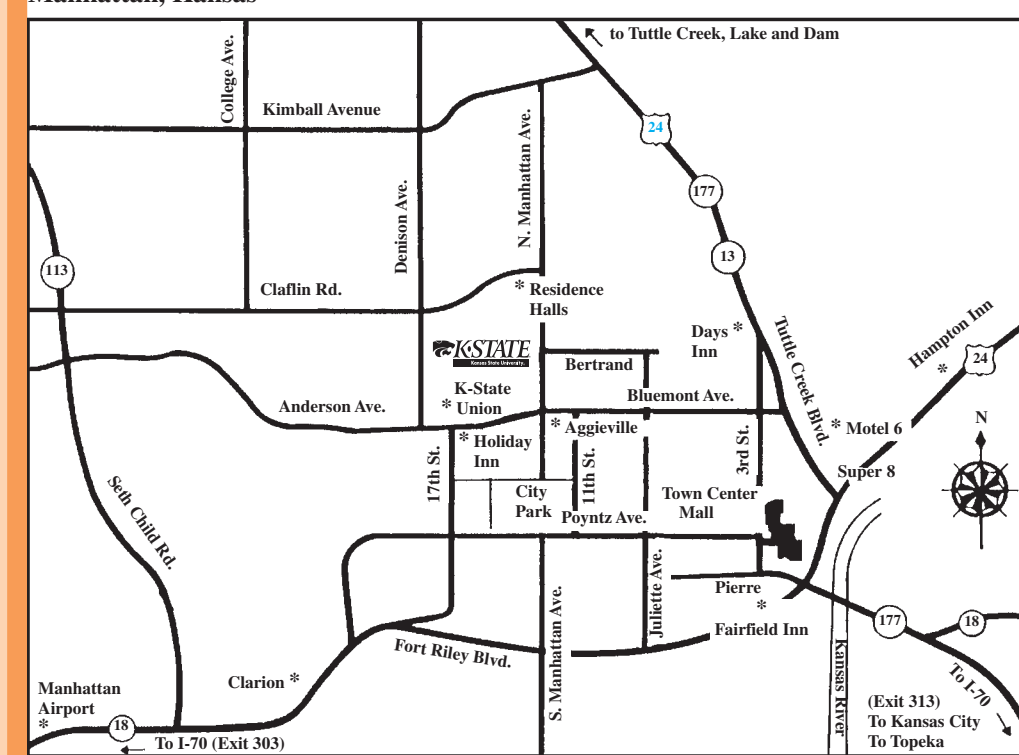
Poster Presentation

Workshop participants are encouraged to enter the scientific poster competition during the mini-symposium portion of the workshop. Plaques will be awarded to the top three posters. Entries should be submitted online at the workshop website, www.dce.k-state.edu/conf/rapidmethods. Deadline is June 6, 2008.

Clip and mail (please keep a copy for your records).

View this brochure online at www.dce.k-state.edu/conf/rapidmethods.

Manhattan, Kansas



Special Assistance for Conferences and Non-Credit Programs

A participant in a conference or non-credit program with a disability who needs accommodations or has special dietary requirements should indicate services needed at the time of registration. If you have further questions please contact the Conference Program Coordinator at (785) 532-5575 or 1-800-622-2KSU. Early notification is requested to ensure that accommodations can be provided in a timely manner.

Notice of Nondiscrimination

Kansas State University is committed to nondiscrimination on the basis of race, sex, national origin, disability, religion, age, sexual orientation, or other nonmerit reasons, in admissions, educational programs or activities and employment (including employment of disabled veterans and veterans of the Vietnam Era), as required by applicable laws and regulations. Responsibility for coordination of compliance efforts and receipt of inquiries concerning Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans With Disabilities Act of 1990, has been delegated to Clyde Howard, Director of Affirmative Action, Kansas State University, 214 Anderson Hall, Manhattan, KS 66506-0124, (Phone) 785-532-6220; (TTY) 785-532-4807.