Creighton
UNIVERSITY

SCHOOL OF MEDICINE

DEPARTMENT OF MEDICAL MICROBIOLOGY & IMMUNOLOGY

CENTER FOR RESEARCH IN ANTI-INFECTIVES & BIOTECHNOLOGY

OMAHA, NEBRASKA

Presents

MINICOURSE

ANTIMICROBIAL AGENTS AND CHEMOTHERAPY

May 16-18, 2017

AUDIENCE:

This is an introductory course on antibacterial chemotherapy and resistance. It is designed for individuals with limited experience who may work in a clinical environment or in the diagnostic or pharmaceutical industries, but can also be beneficial for experienced individuals seeking a refresher course.

It begins with basic concepts of antibacterial therapy, pharmacodynamics, and susceptibility testing, and moves into more advanced concepts such as detailed descriptions of mechanisms of antibacterial activity of some drugs, mainly cell-wall active drugs, and of the development of resistance to them. Special emphasis is given to the challenge of accurate detection of resistance with lectures being complemented by an interactive phenotypic and molecular laboratory session.

TUITION: $750.00

Please pay in full by April 28, 2017 as spaces are limited.

Registration is not refundable, but may be transferred to another individual within the company. For additional information, please contact Gail McNeeley (402) 280-1820, fax (402) 280-1875 or email: gmcneele@creighton.edu.

Payment must be in the form of sponsoring agent or company check. Sorry, no credit cards can be accepted as payment option.

MAKE COMPANY CHECK PAYABLE TO: CREIGHTON UNIVERSITY
(No Credit Cards Are Accepted)
MAIL TO: Dr. Nancy D. Hanson, Creighton University School of Medicine, Department of Medical Microbiology & Immunology, Center for Research in Anti-Infectives and Biotechnology, Criss II, Room 529, 2500 California Plaza, Omaha, NE 68178.

Name _____ Position _____

Company _____ Phone _____ Fax _____

Mailing Address _____

E-Mail Address _____

ANTIMICROBIAL AGENTS AND CHEMOTHERAPY
SCHEDULE, MAY 16-18, 2017

Date	Day	Time	Topic
May 16	Tuesday	8:30-11:30 a.m.	Introductions Drivers of Antibiotic Resistance Introduction to Antibacterials/Mechanisms of Action Pharmacodynamics of Antibacterial Agents Cell Wall Active Agents
		11:30-12:30	**LUNCH**
		12:30-5:00 p.m.	Protein Synthesis Inhibitors Fluoroquinolones Mobile Genetic Elements Antimicrobial Susceptibility Testing and Antibiograms MRSA Issues
May 17	Wednesday	8:30-11:30 a.m.	β-lactamases—What you need to know Regulation of CTX-M and KPC β-lactamases
		11:30-12:30	**LUNCH**
		12:30– 5:00 p.m.	AmpC β-lactamases *Pseudomonas aeruginosa* Molecular Testing—Current and Future Applications
May 18	Thursday	8:30-12:00	Laboratory Session

Course Director:

Nancy D. Hanson, Ph.D.

Faculty:
Nancy D. Hanson, Ph.D.
Stephen J. Cavalieri, Ph.D.
Richard V. Goering, Ph.D.
Stacey S. Morrow, MS, MT (ASCP)