

Creighton UNIVERSITY

School of Medicine

Department of Medical Microbiology and Immunology

Center for Research in Anti-Infectives and Biotechnology

Presents

ANTIMICROBIAL AGENTS AND CHEMOTHERAPY MINICOURSE

May 10-12, 2022

Criss Health Sciences Complex

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: \$800.00

Please pay in full by May 1, 2022 (spaces are limited)

Registration is not refundable, but may be transferred to another individual within the company. For more information, please contact Stacey Morrow (402) 280-3180 or StaceyMorrow@creighton.edu.

***Payment must be in the form of sponsoring agent or company check.
No credit cards can be accepted.***

Click https://www.campustravel.com/university/creighton/visit_hotels.htm for a list of nearby hotels.

Click <https://www.creighton.edu/maps/> for a Creighton University map and directions to campus.

MAKE COMPANY CHECK PAYABLE TO: CREIGHTON UNIVERSITY (No Credit Cards 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 _____

Please return this portion along with the registration fee of \$800.00

ANTIMICROBIAL AGENTS AND CHEMOTHERAPY
Criss Health Sciences Complex

Day	Time	Topic
Tuesday	8:30am - 11:30am	Introductions Drivers of Antibiotic Resistance Pharmacodynamics of Antibacterial Agents Cell Wall Active Agents Protein Synthesis Inhibitors
	11:30am - 12:30pm	LUNCH
	12:30pm - 5:00pm	Fluoroquinolones MRSA and <i>C. difficile</i> Mobile Genetic Elements Porin and Efflux mediated resistance
Wednesday	8:30am - 11:30am	β -lactamases—What you need to know CTX-M and KPC β -lactamases
	11:30am - 12:30pm	LUNCH
	12:30pm - 5:00pm	AmpC β -lactamases <i>Pseudomonas aeruginosa</i> AST and Molecular Testing
Thursday	8:30am - 12:00pm	Laboratory Session

Course Director: Nancy Hanson, Ph.D.

Additional Faculty: Stacey Morrow, MS, MT(ASCP)