

MOLECULAR TOXICOLOGY
16:963:505

Course Directors:

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LECTURE SCHEDULE

Topics	Instructors
Chemistry in Biochemical Toxicology	G. Witz
Review of P450 Structure Function	R. White
Key Enzymes of Oxygen Metabolism I	R. White
Key Enzymes of Oxygen Metabolism II	R. White
Drug-Drug Interactions: P450 Induction/Inhibition	I. Hanna
Covalent Binding of Drugs to Proteins	R. White
Pharmacokinetics and Disposition of Xenobiotics	L. Kagan
Drug Transporter Biology and Function	L. Aleksunes
Regulation of Drug Metabolism and Transport	L. Aleksunes
Cell Death	W. Zong
Cell Cycle	A. Minden
Telomeres and Senescence	U. Herbig
Innate Immunity and Inflammation	D. Laskin
Autoimmunity	C. Gardner
Metabolomics	B. Buckley
Post-translational Modification in Cell Signaling	A. Gow
Oncogenes and Tumor Suppressors	B. Wall
Epigenetics & Cancer	H. Zarbl
Signal Transduction in Carcinogenesis	R. Zhou
mTOR-mediated Regulation of Growth and Survival	S. Zheng
Stem Cells and Carcinogenesis	S. Pine
Genomic Instability and Carcinogenesis	Z. Shen