

**Course Coordinator: Elena Posse de Chaves**  
**Lectures will be held in: 932-MSB**  
**Monday-Wednesday-Friday at 11:00 AM**

DATE	DAY	LECTURE TITLE	LECTURER
4-Jan-16	Mon	Introduction- Signal Transduction Systems as Pharmacological Targets-	E. P de C
6-Jan-16	Wed	Basis of Signaling Diversity-Modularity I	E. P de C
8-Jan-16	Fri	Basis of Signaling Diversity-Modularity II	E. P de C
11-Jan-16	Mon	Pharmacological Approaches to Target Signal Transduction	E. P de C
13-Jan-16	Wed	Biologics and Nucleic Acids Therapeutics	E. P de C
15-Jan-16	Fri	Pharmacology of Cell Death Pathways: Apoptosis I	E. P de C
18-Jan-16	Mon	Pharmacology of Cell Death Pathways: Apoptosis II	E. P de C
20-Jan-16	Wed	Apoptosis in Physiology and Pathology	E. P de C
21-Jan-16	Fri	Apoptosis as drug target	E. P de C
25-Jan-16	Mon	Autophagy	E. P de C
27-Jan-16	Wed	Autophagy in Physiology and disease.	E. P de C
29-Jan-16	Fri	Pharmacological regulation of Autophagy	E. P de C
1-Feb-16	Mon	Ubiquitin proteasome system-	E. P de C
3-Feb-16	Wed	The UPS in human disease.	E. P de C
5-Feb-16	Fri	Targeting the UPS	E. P de C
8-Feb-16	Mon	p53: activation and regulation in physiology and disease	E. P de C
10-Feb-16	Wed	p53 in physiology and disease-Targeting p53 pharmacologically	E. P de C
11-Feb-16	Fri	<b>MIDTERM EXAM -</b>	E. P de C
15-Feb-16	Mon	Reading Week	
17-Feb-16	Wed	Reading Week	
19-Feb-16	Fri	Reading Week	
22-Feb-16	Mon	Non-receptor kinases: PI3K, Akt and PTEN. Signaling pathways.	S. Kar
24-Feb-16	Wed	Non-receptor kinases: PI3K, Akt and PTEN. Signaling pathways.	E. P de C
26-Feb-16	Fri	PI3K/Akt pathway in Physiology and in disease	E. P de C
29-Feb-16	Mon	Pharmacology of the PI3K/Akt pathway	E. P de C
2-Mar-16	Wed	mTOR signaling	E. P de C
4-Mar-16	Fri	mTOR in health and disease	E. P de C
7-Mar-16	Mon	Pharmacology of mTOR signaling	E. P de C
7-Mar-16	Mon	<b>Deadline for term paper</b>	E. P de C
9-Mar-16	Wed	NFKB signaling in health and disease	E.P. de C
11-Mar-16	Fri	NFKB	E. P de C
14-Mar-16	Mon	Targeting NFKB	E. P de C
16-Mar-16	Wed	ERK pathway in physiology and disease	E. P de C
18-Mar-16	Fri	<b>Discussion of a research article</b>	S. Kar
21-Mar-16	Mon	Targeting the ERK pathway pharmacologically	E. P de C
23-Mar-16	Wed	Ras activation and signaling	E. P de C
25-Mar-16	Fri	Good Friday	E. P de C
28-Mar-16	Mon	Easter Monday	E. P de C
30-Mar-16	Wed	Drugs that target Ras	E. P de C
1-Apr-16	Fri	p38 pathway in physiology and disease	E. P de C
4-Apr-16	Mon	Targeting the p38 pathway pharmacologically	E. P de C
6-Apr-16	Wed	JNK pathway in physiology	E. P de C
8-Apr-16	Fri	Targeting the JNK pathway pharmacologically	E. P de C