

SCPM 511: Molecular and Cellular Science in Pharmacology**1 credit [1(1-0-2)]****Academic Year 2024****Date:** Mon, Wed, Fri; **Time:** 9:00 – 12:00 hr**Venue:** Pr 507, Faculty of Science, Mahidol University**Course coordinator:** Asst. Prof. Dr.Porntipa Korprasertthaworn (porntipa.kor@mahidol.edu)**Google classroom:** bamxuxr

Date	Topic	Instructor
Mon 5 August 2024 (8:45-9:00)	Course orientation	PK
Mon 5 August 2024 (9:00-11:00)	L1-2: Receptors and ion channels	DP
Wed 7 August 2024	MUSC New Graduate Students Orientation	
Fri 9 August 2024	L3-4: Signal transduction and secondary messengers	DP
	L5: Neurotransmitters and neuromodulators	NJ
Mon 12 August 2024	H.M. Queen Mother's Birthday	
Wed 14 August 2024 (9:00-11:00)	L6: Autacoids I – histamines (antihistamines), serotoninins	PT
	L7: Autacoids II – prostaglandins, leukotrienes	PT
Fri 16 August 2024	L8: Overview of immune system	WS
	L9: Antigen recognition & body response to invaders	WS
	L10: Cytokines and chemokines	WS
Mon 19 August 2024	Examination I (L1-7)	TA
Wed 21 August 2024 (9:00-11:00)	L11: Gene expression	PK
	L12: Gene regulation	PK
Fri 23 August 2024	L13: Cell cycle and cell death	RH
	L14: Cell response to injury	RH
	L15: Carcinogenesis	PM
Mon 26 August 2024	Examination II (L8-15)	TA

WS – Asst. Prof. Dr.Waradon Sungnak (Department of Microbiology)

TA, Teaching Assistant