

SCPM 511: Molecular and Cellular Science in Pharmacology**1 credit [1(1-0-2)]****Academic Year 2025****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.ac.th)**Google classroom:** f6qs7epo

Date	Topic	Instructor
Mon 4 August 2025	MUSC New Graduate Students Orientation	
Wed 6 August 2025 (8:45-9:00)	Course orientation	PK
Wed 6 August 2025 (9:00-10:50)	L1-2: Receptors and ion channels	SC
(10:50-12:40)	L3-4: Signal transduction and secondary messengers	SC
Fri 8 August 2025	Self-study	
Mon 11 August 2025	Special Holiday	
Wed 13 August 2025 (9:00-11:00)	L5: Autacoids I – histamines (antihistamines), serotoninins	PT
	L6: Autacoids II – prostaglandins, leukotrienes	PT
(11:00-12:00)	L7: Neurotransmitters and neuromodulators	NJ
Fri 15 August 2025	L8: Overview of immune system	SA
	L9: Antigen recognition & body response to invaders	SA
	L10: Cytokines and chemokines	SA
Mon 18 August 2025	Examination I (L1-7)	TA
Wed 20 August 2025 (9:00-11:00)	L11: Gene expression	PK
	L12: Gene regulation	PK
(11:00-12:00)	L13: Carcinogenesis	PM
Fri 22 August 2025 (9:00-11:00)	L14: Cell cycle and cell death	RH
	L15: Cell response to injury	RH
Mon 25 August 2025	Self-study	
Wed 27 August 2025	Examination II (L8-15)	TA

TA, Teaching Assistant