

Schedule SCPM 503: Drug Discovery

Date: 7 October 2026 – 2 November 2026 **Mon, Wed, Fri;** **Time:** 13:00 – 15:00 pm

Venue: PR 507, PR building, 5 floor, Faculty of Science, Mahidol University

Date	Topic	Instructor
7 Oct, 2026 13:00 – 15:00	L1: Orientation, Drug Discovery and Development – Overview	RH
9 Oct, 2026 13:00 – 15:00	L2-L3: Target identification, validation and Lead Optimization	PM and SC
12 Oct, 2026 13:00 – 15:00	L4-L5: Assay Development in Drug Discovery: An overview	SL
14 Oct, 2026 13:00 – 15:00	L6-L7: Pre-clinical drug development – <i>in vivo</i>	RH
15 Oct, 2026 09:00-11:00	L8-L9: Principle of pre-clinical safety pharmacology	PM*
19 Oct, 2026 09:00-11:00	L10-L11: Pre-clinical screening of CYP450-mediated drug metabolism and major drug interactions	VHS*
21 Oct, 2026 09:00-11:00	L12-L13: Clinical Approaches in Bioactive Discovery Process	SB*
26 Oct, 2026 13:00 – 15:00	L14-L15: Clinical phases and regulatory approval	NM/ SA
28 Oct, 2026 13:00 – 15:00	L16-L17: Using AI for drug discovery	SY
2 Nov, 2026 13:00 – 15:00	Examination	RH/ Piyanee

* Invited lecturers

SB = Assist.Prof. Dr. Suparerk Borwornpinyo
(Excellent Center for Drug Discovery, Faculty of Science, Mahidol University)

PM = Dr. Pongsatorn Meesawatsom
(Department of Pharmacology, Faculty of Pharmacy, Mahidol University)

VHS = Assoc. Prof. Dr. Vilasinee Hirunpanich Sato
(Department of Pharmacology, Faculty of Pharmacy, Mahidol University)