

**SCPM 501 Experimental Methods in Pharmacology**  
**Academic Year 2021 (2564)**

**Date:** 9 August – 5 November 2021

**Time:** 13:00-16:00

**Mon and Fri**

**Room:** Pr 501/ Pr 507; Department of Pharmacology

Date	Topic	Instructor
Mon 9 Aug 2021	Orientation 1: Good laboratory practice (L,D)	Sutharinee Ruedee
Fri 13 Aug 2021	2: Basic statistic for research (L, D)	Nathawut*
Mon 16 Aug 2021	3: Polymerase chain reaction (PCR) (L, D)	Pimtip
Fri 20 Aug 2021	4: Mathematical modeling in pharmacology (L, D)	Somchai
Fri 27 Aug 2021	5: ELISA in pharmacology research (L,D)	Sutharinee
Mon 30 Aug 2021	6: Migration techniques (L, D)	Natthinee
Fri 3 Sep 2021	7: Basic techniques in hemostasis (L, D)	Pansakorn
Fri 10 Sep 2021	8: <i>In vitro</i> and <i>in vivo</i> studies of antioxidant activity (L, D)	Supachoke
Mon 13 Sep 2021	9: Applications of HPLC, LC-MS/MS and EPR for research in pharmacology (L, D)	Noppawan
Fri 17 Sep 2021	10: Next generation sequencing in cancer research (L, D)	Pimtip
Mon 27 Sep 2021	SCPM501 Exam I (1-9)	
Fri 1 Oct 2021	11: Physiologically-based pharmacokinetics (L, D)	Porntipa
Fri 8 Oct 2021	12: Computational structure-based drug design and discovery (L, D)	Bodee
Fri 15 Oct 2021	13: Animal models in musculoskeletal pain research (L, D)	Ruedee
Fri 22 Oct 2021	14: Animal models of obesity and type II diabetes (L, D)	Sutharinee
Mon 25 Oct 2021	15: Transient overexpression of recombinant proteins (L, D)	Supachoke
Fri 29 Oct 2021	16: Receptor binding (L, D)	Darawan
Fri 5 Nov 2021	SCPM501 Exam II (10-16)	

**\*Invited lecturer**

Assoc. Prof. Nathawut Sibmooh