

TIMETABLE FOR SEMESTER I, 2017/2018

LSM3215-NEURONAL SIGNALING AND MEMORY MECHANISMS

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LECTURES: MONDAYS	PRACTICALS/TUTORIALS: WEDNESDAY (EVEN WEEKS)
TIME: 1000 - 1200 hrs	TIME: 1400 - 1800 hrs
VENUE: LT20	PRACTICAL VENUE: CeLS Level 4
	TUTORIAL VENUE: MD9, Dept of Physiology, Workshop I & 2

Note: Practicals clash with LSM3223 (Even weeks), LSM3247 (Weekly) and alternate with LSM3232 (Odd weeks)

WK	MONTH	MONDAYS	PRACTICALS/TUTORIALS WEDNESDAYS
1.	Aug	14 STW : Brief Intro & functional anatomy of brain; ionic basis of electrical signalling- resting potential	16
2.		21 STW : Ionic basis of electrical signalling- action potential; molecular biology of voltage-gated ion channels	23* STW and SKS : Patch-Clamp Practical; CeLS
3.		28 STW : TRP channels as sensors of temperature or chemicals	30
4.	Sep	04 STW : Mechanisms of auditory transmission; Ion channelopathies	06* STW and SKS : Patch-Clamp Practical; CeLS
5.		11 LSC : Presynaptic event: Neurotransmitters and neurotransmitter release mechanisms	13
6.		18 LSC : Postsynaptic events: Molecular biology of neurotransmitter receptors	20* Tutorial 1- STW
Recess week: Sat 23 Sep – Sun 1 Oct 2017 (1 week)			
7.	Oct	02 LSC : Neuronal signalling and integration	04
8.		09 LSC : Synapse and neurodegenerative diseases	11* CA
9.		16 SKS : Classifications of memory: Role of hippocampus and amygdala	18 PUBLIC HOLIDAY
10.		23 SKS : Models of memory from aplysia to human	25* Tutorial 2 - LSC
11.	Oct / Nov	30 SKS : Molecules and mechanisms of memory I	01
12.		06 SKS : Molecules and mechanisms of memory II	08* Tutorial 3 - SKS
13.		13	15
READING PERIOD : Sat 18 Nov to Fri 24 Nov 2017 (1 week)			
EXAMINATION : Thursday, 7 December 2017, 5pm			
VACATION : Sun 10 Dec 2017 to Sun 14 Jan 2018 (5 weeks)			

Lecturers:

STW - Prof Soong Tuck Wah (tuck_wah_soong@nuhs.edu.sg)

LSC - Dr Ling Shuo-Chien (phsling@nus.edu.sg)

SKS - Dr Sajikumar Sreedharan (phssks@nus.edu.sg)