

Bootcamp 2017 Timetable (for Open Lectures)
MB5104: An Integrative Approach to Understand Cell Function
4th August to 12th August 2017

Venue:

G - General lectures: CREATE Theatrette, Level 2, 1 CREATE Way, CREATE Tower, S138602

P - Perseverance Rooms 1 and 2, CREATE Enterprise Level 5, University Town

Directions to CREATE Tower and CREATE Enterprise can be found:

<http://www.create.edu.sg/contact-us>

DAY 1

Date	Time	Content	Lecturer	Venue
Friday 4 th Aug 2017	8.00-8.30a.m.	Registration		Outside G
	8.30-9.00a.m.	Introduction to the bootcamp	Assoc. Prof. He and Asst. Prof. Saunders	G
	9.00-10.00a.m.	The cell cytoskeleton	Prof. Yu	G
	10.00-10.30a.m.	<i>Break (coffee and discussion)</i>		Outside G
	10.30-11.15a.m.	Cell compartments	Adj. Assoc. Prof. Jedd	G
	11.15-12.00p.m.	Cellular shape and polarization	Asst. Prof. Moteqi	G

DAY 2

Date	Time	Content	Lecturer	Venue
Saturday 5 th Aug 2017	9.00-9.30a.m.	How fluorescence works	Prof. Wohland	G
	9.30-9.45a.m.	History of GFP	Asst. Prof. Saunders	
	9.45-10.30a.m.	Introduction to microscopy	Prof. So	
	10.30-11.00a.m.	<i>Break (coffee and discussion)</i>		Outside G
	11.00-12.30p.m.	Optics tutorial	Prof. Wohland Asst. Prof. Saunders Asst. Prof. Loh	G

DAY 3

Date	Time	Content	Lecturer	Venue
Sunday 6 th Aug 2017		<i>No lesson</i>		

DAY 4

Date	Time	Content	Lecturer	Venue
Monday 7 th Aug 2017	8.30-9.05a.m.	Introduction to bacteria	Dr. Yong Dr. Desai	G
	9.05-9.40a.m.	Introduction to yeast	Assoc. Prof. Yeong	
	9.40-10.15a.m.	Introduction to <i>Drosophila</i>	Assoc. Prof. Wang	
	10.15-10.45a.m.	<i>Break (coffee and discussion)</i>		Outside G
	10.45-11.20a.m.	Introduction to fish	Dr. Tao	G
	11.20-12.00p.m.	Introduction to plants	Asst. Prof. Lau	

DAY 5

Date	Time	Content	Lecturer	Venue
Tuesday 8 th Aug 2017	9.00-9.45a.m.	Perturbing the cell	Asst. Prof. Toyama	G
	9.45-10.30a.m.	Super-resolution microscopy	Asst. Prof. Kanchanawong	
	10.30-11.00a.m.	<i>Break (coffee and discussion)</i>		Outside G
	11.00-11.45a.m.	Electron microscopy	Dr. Kostyuchenko	G
	11.45-12.30p.m.	Single molecule manipulation	Prof. Yan	

DAY 6

Date	Time	Content	Lecturer	Venue
Wednesday 9 th Aug 2017		<i>No lesson</i>		

DAY 7

Date	Time	Content	Lecturer	Venue
Thursday 10 th Aug 2017	9.00-10.00a.m.	Gene editing	Dr. Lieu	G
	10.00-10.30a.m.	Genomes	Prof. Tucker-Kellogg	
	10.30-11.00a.m.	<i>Break (coffee and discussion)</i>		Outside G
	11.00-11.30a.m.	Genomes	Prof. Tucker-Kellogg	G
	11.30-12.30p.m.	Genomics worksheet	Prof. Tucker-Kellogg Assoc. Prof. He Dr. Lieu	

DAY 8

Date	Time	Content	Lecturer	Venue
Friday 11 th Aug 2017	9.00-9.45a.m.	Statistical methods for biology	Prof. Koehl	G
	9.45-10.15a.m.	Perils of the p-value	Asst. Prof. Saunders	
	10.15-10.45a.m.	Theoretical modeling in biology	Asst. Prof. Carrasco	
	10.45-11.15a.m.	<i>Break (coffee and discussion)</i>		Outside G
	11.15-12.30p.m.	Statistics and modeling problem solving	Prof. Koehl Asst. Prof. Saunders Asst. Prof. Carrasco	G