

Utrecht Summer School Course: Regenerative Medicine 2019

		Theme	Time	Topic	
Monday	8-jul	Intro	9.00 - 9.30	Welcome & Course Overview	
			9.30 - 10.00	Student Introductions	
		Meet the patient	10.00 - 11.00	Patient Story	
			11.00 - 11.15	<i>break</i>	
			11.15 - 12.15	Introduction to RM	
		Stem cells	12.15 - 13.00	<i>lunch</i>	
			13.00 - 14.00	Introduction to Stem Cells	
			14.00 - 14.30	Introduction to activity 1: MSCs to bone	
			14:30 - 14.45	<i>break and walk to HU</i>	
			14:45 - 18.00	Activity 1: Step 1	
Tuesday	9-jul	Techniques	9.00 -10.45	Demonstrations: 1) Bioprinting; 2) Histology and Scoring; 3) Bio-mechano-reactor model	
			10.45 - 11.00	<i>break</i>	
		Blood/heart	11.00 - 11.45	Gene Therapy	
			11.45 - 12.30	Gene Editing	
			12.30 - 13.15	<i>lunch</i>	
			13.15 - 14.00	Imaging: Visualizing your Experiments using a Microscope	
			14.00 - 14.45	Cardiovascular RM Basics	
			14.45 - 15.00	<i>break and walk to HU</i>	
			15.00 - 17.00	Activity 1: Step 2	
Wed	10-jul	Cartilage/bone	9.00 - 9.45	Bone, Cartilage and RM	
			9.45 - 10.30	IMPACT trial	
			10.30 - 10.45	<i>break</i>	
			Muscle	10.45 - 11.30	Neuromuscular diseases: muscle stem cells
				Liver	11.30 - 12.15
		12.15 - 13.00	<i>lunch</i>		
		Skin	13.00 - 13.45	Skin regeneration	
			Neural	13.45 - 14.30	Neuronal clinical talk
		Entrepreneurship		14.30 - 14.45	<i>break</i>
			14.45 - 15.30	Osteoinductive bone replacement	
			15.30 - 16.15	Entrepreneurship in RM	
		Thursday	11-jul	GI tract	9.00 - 9.45
9.45 - 10.30	Cystic fibrosis and organoids				
		Kidney	10.30 - 10.45	<i>break</i>	
			10.45 - 11.30	Miniature artificial kidney devices	
			11.30 - 12.15	The bioartificial kidney	
			12.15 - 12.30	<i>break</i>	
			12.30 - 13.15	Hematopoietic stem cells	
			13.15 - 14.00	<i>lunch and walk to Vet Faculty</i>	
			14.00 - 17.30	Activity 2	
Friday	12-jul	Key note speakers	9.00 - 10.00	Organoids for clinical application	
			10.00 - 10.45	Cardiovascular RM: Clinical application	
			10.45 - 11.00	<i>break and walk to HU</i>	
			11.00 - 13.30	Activity 1: Step 3	
			13.30 - 14.30	<i>lunch</i>	
			14.30 - 14.45	Wrap up	

Note: Lunch will be provided, breaks include coffee or tea, lecturers will be announced later

Opening Ceremony Utrecht Summer School 2019 – July 10 – 17.00 – Location: Janskerk, Janskerkhof