

PhD module

The basis of tissue growth : control of size, number, pattern, migration, metabolism

Goal	To learn and to update knowledges, to understand concepts, to enter new fields, to meet with and to discuss with other students and with experts.
Person in charge	Mario Pende Inserm U1151
Number of PhD students	32
Where ?	75014 Paris, 14 Rue Maria Héléna Vieira da Silva 1er etage, salle Rossellini
When ?	12-15 March 2018
How to apply	mario.pende@inserm.fr
Application deadline	15 February 2018

Monday		
9h30-10h00	General introduction	Mario Pende (Necker, Paris)
10h00-11h15	Cell size and cell cycle	Mathieu Piel (Curie, Paris)
11h30-12h45	Example of integrated model : kidney growth	Fabiola Terzi (Necker, Paris)
13h	Lunch	
14h-15h15	Ploidy	Chantal Desdouets (Cochin, Paris)
15h30-16h45	Master regulators of tissue growth	Mario Pende (Necker, Paris)
17h	Happy hour	
Tuesday		
9h30-10h45	Apico-basal polarity/Planar polarity	Yohanns Bellaiche (Curie, Paris)
11h-12h15	Migration	Alain Chedotal (Inst. Vision, Paris)
13h	Lunch	
13h30-14h45	Adult Stem cells	Vincent Goffin (Necker, Paris)
15h-16h15	Angiogenesis	Stephane Germain (College de France, Paris)
Wednesday		
9h30-10h45	Autophagy	Patrice Codogno (Necker, Paris)
11h-12h15	Apoptosis and other forms of cell death	Jean Ehrland Ricci (U. Nice)
13h	Lunch	
13h30-14h45	Ageing of tissues and organisms	Franck Oury (Necker, Paris)
15h-16h15	Endocytosis, nutrient overload and ER stress	Ganna Panasyuk (Necker, Paris)
Thursday		
10h00-11h15	Metabolism of growing tissues	Tim Wai (Necker, Paris)
11h30-12h45	Senescence	Oliver Bischof (Pasteur, Paris)
13h	Lunch	
13h30-14h45	Differentiation	Marco Pontoglio (Necker, Paris)
15h-16h15	Epigenetics	Jonathan Weitzman (U. Paris Diderot)

Control of cell size and number

Organization of cells within a tissue

Cell death and growth arrest

Nutrient supply and metabolism

Acquisition and maintenance of cell functions