

Scientific and Methods Modules



Cell Methods

Date: 07.-08.10.2020

Schedule

07.10.2020	Lecturer	Program
9:00-10:15	Juliane Salbach-Hirsch	Lecture: Destructing Bone - Osteoclasts
10:30-11:00	Ute Hempel	Lecture: PCR basics
11:15-12:15	Juliane Salbach-Hirsch	Lab Course: Characterization of Osteoclasts [1] TRAP staining [2] RNA-isolation and transcription
12:15-13:00		Lunch Break
13:00-17:00	Juliane Salbach-Hirsch	Lab Course: Characterization of Osteoclasts [1] TRAP staining [2] real time PCR

08.10.2020	Lecturer	Program
9:00-10:30	Ute Hempel	Lecture: Building Bone - Osteoblasts
10:45-12:15	Ute Hempel, Sarah Vogel	Lab Course: Characterization of Osteoblasts [1] Determination of osteogenic differentiation markers (TNAP activity and calcium accumulation) [2] Staining (TNAP activity and mineralization)
12:15-13:00		Lunch Break
13:00-15:15	Ute Hempel, Sarah Vogel	Lab Course: Characterization of Osteoblasts [1] Determination of osteogenic differentiation markers (TNAP activity and calcium accumulation) [2] Staining (TNAP activity and mineralization)
15:30-16:00	Martina Rauner	Lecture: Good Scientific Practice

Venue:

Faculty of Medicine, Universitätsklinikum Dresden

Participation:

Max. Number: 8

Exam: Written Protocol with questions

Credit points: 2 (graded)

Contact/Registration

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