

Universidade Federal do Paraná Graduate Program in Cell and Molecular Biology http://www.pgbiocel.ufpr.br/portal/



PPGBiocelMol is offering 2 graduation courses related to the Bioscience and Health project of CAPES/PRINT, within the Cancer: Basic and Applied Research topic.

Enrolment: please send an email to Prof Carolina (<u>krokoli@ufpr.br</u>), with copy to Prof. Fernanda (<u>ferfs@ufpr.br</u>). Include the following information:

Full name		
CPF		
E-mail		
PPG Status		
Status	() Master student	() PhD student

Coordination: Carolina Camargo de Oliveira, Prof, PhD (Cell Biology Department – UFPR); Fernanda Fogagnoli Simar (Cell Biology Department – UFPR)

Collaborator: Mehdi Damaghi, Prof, PhD (Assistant Professor, Department of Oncologic sciences, Morsani College of medicine, University of South Florida, Tampa, FL, USA; Research Scientist, Department of Cancer Physiology, H. Lee Moffitt Cancer Center & Research Institute)

Course 1: <u>BCEL-7035: Contemporary Topics in Cell and Molecular Biology: Tumor</u> <u>microenvironment.</u>

Language: English

Classes: 21, 22, and 25 November - from 9h-12h30 and 13h30-15h

Credits: 1 (15h)

Room: anfi 03

Description: Introduction and characterization of tumor microenvironment (TME), cells and ECM, as well as its implication in tumor progression. Functional and metabolic features of TME, acidic microenvironment implications. Therapeutic approaches targeting microenvironment properties.

Course 2: <u>BCEL-7035: Contemporary Topics in Cell and Molecular Biology: Evolutionary approach</u> <u>of Cancer.</u>

Language: English

Classes: 27, 28, and 29 November – from 9h-12h30 and 14h-16h

Credits: 1 (15h)

Room: anfi 03

Description: An introduction to evolutionary based therapy. Exploiting cancer cells acid induced metabolic vulnerabilities to optimize therapy (an evolutionary approach); techniques and approaches to study cancer evolution.