

## Department of Pharmacology and Pharmacotherapy

### Topic list (2021 /2022):

Supervisor	Topic
Andrea Orosz, PhD	Investigation of cardiac ventricular repolarization parameters in different clinical conditions
Norbert Nagy, PhD	Investigation of $\text{Ca}^{2+}$ -dependent arrhythmogenesis in ventricular myocardium
Norbert Nagy, PhD	Investigation of the sinus-node pacemaking
Norbert Nagy, PhD	Investigation of the positive inotropic effect of selective Na/Ca exchanger inhibition in ventricular myocardium
habil. Péter Bencsik, PhD	Biochemical mechanism of the ischemic adaptation of the myocardium
habil. Péter Bencsik, PhD	Cardioprotection induced by ischemic pre- or postconditioning in acute myocardial infarction and in chronic heart failure models
habil. Péter Bencsik, PhD	Investigation of cardioprotective mechanisms against reperfusion injury after myocardial infarction
habil. Péter Bencsik, PhD	Oxidative and nitrosative stress in heart muscle
habil. Péter Bencsik, PhD	Role of capsaicin-sensitive nerves in adaptation of the heart
habil. Péter Bencsik, PhD, habil. Anikó Görbe, PhD	Effects of hyperlipidemia on ischemic adaptation of the heart
habil. Péter Bencsik, PhD, habil. Anikó Görbe, PhD	Role of matrix metalloproteinases in adaptation of the heart and in disease models
habil. Péter Bencsik, PhD, habil. Péter Ferdinady, DSc	Exploration of microRNA network and target analysis in cardiovascular disease models
Anikó Görbe, PhD	Cardiocytoprotection in in vitro cell culture models
Zoltán Husty, PhD	Investigation of hidden cardiotoxicity of rofecoxib on rabbit right ventricular papillary muscle
habil. Róbert Gáspár, PhD	Investigation of drugs affecting the pregnant uterine contractions in rats
Kálmán Szűcs, PhD, habil. Róbert Gáspár, PhD	Electromyographic investigation of the gastrointestinal motility in anesthetized and awake rats
Eszter Becskeházi, Viktória Venglovecz, DSc	Effect of smoking on ion transport processes of esophageal epithelial cells
Attila Ébert, Viktória Venglovecz, DSc	Investigation of exocrine and endocrine interactions in the pancreas under normal and pathological conditions
Margaréta Korsós, Viktória Venglovecz,	Investigations of ion transport processes of esophageal organoids

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