

Student research topics in the Institute of Pathophysiology 2017

#	Student research topic	Tutor's name (with degree)
1	Effect of vitamin A and D on endothelial cell function under normoxic and hypoxic conditions	Rosivall László, DSc
2	Signaling mechanisms of endothelial cell permeability regulation in response to prorenin, renin and angiotensin (I-IV)	Rosivall László, DSc
3	Effects of TGF- β in bone development and remodeling in transgenic mouse model	Mózes Miklós, PhD
4	The role of relaxin in type 1 diabetes	Mózes Miklós, PhD
5	Molecular pathomechanism of TGF- β induced renal fibrosis in mice with different genetic background	Mózes Miklós, PhD
6	The effect of genetic background on microRNA networks and transcription factors in progressive renal fibrosis	Kökény Gábor, PhD
7	The role of genetic background in the pathomechanism of cardiac fibrosis	Kökény Gábor, PhD
8	Identification of novel transcription factors in diabetic renal and cardiac disease	Kökény Gábor, PhD
9	Renal complement production in response to glomerular and tubular injury	Kökény Gábor, PhD
10	Therapeutic modulation of cGMP levels using in vivo and in vitro models of diabetic glomerular damage modellejn	Kökény Gábor, PhD
11	The role of (pro)renin and the renin-angiotensin system in the progression of diabetic cardiac disease	Kökény Gábor, PhD
12	The role of serotonin in the modulation of kidney function, renal fibrosis and progression of chronic kidney failure	Szénási Gábor, Kand
13	The effect of genetic factors on the outcome of hematopoietic stem cell transplantation (clinical epidemiology)	Tordai Attila DSc
14	Immun-magnetic ex vivo cell selection before hematopoietic stem cell transplantation (clinical transfusiology)	Tordai Attila DSc
15	Therapeutic photopheresis in hematopoietic stem cell, cardiac and lung transplantation (clinical transfusiology)	Tordai Attila DSc
16	Possibilities of therapeutic apheresis in patients with thrombotic thrombocytopenic purpura (TTP) and hemolytic uremic syndrom (HUS) (clinical transfusiology)	Tordai Attila DSc
17	Population assessment of RhD blood-type variations with DNA typing (laboratory transfusiology)	Tordai Attila DSc