PhD equivalent scholarship financed from OTKA in the field of micro RNA involvement in the transition of acute kidney injury to renal fibrosis

**Background:** Post-transcriptional gene expression regulation offers new therapeutic approaches enabling fine-tuning of complex biologic processes. Renal ischemia is a common complication at the Intensive Care Units following surgery or circulatory shock, is an important pathogenic factor in renal transplantation and often involved in X-ray-contrast induced acute kidney injury. Thus, ischemia induced chronic renal damage is in the focus of interest in nephrology, presently.

The topic of the PhD studies is to investigate the protein-microRNA network activated during the transition of acute kidney injury into chronic renal fibrosis.

**Support available:** an OTKA-ARSS (2015-2018) and an OTKA-FWF (2014-2017) grants provide support for reagents and financial background to establish a Semmelweis Scholarship – equivalent to Hungarian Government supported PhD scholarships.

**Prerequisites:**
University degree, Msc in biology or medical degree
English (intermediate level)

**Preferences:**
Experience in research and/or molecular biology methods

**International collaborators** of the above grants are
- **Dontscho Kerjaschki** (Pathology, AKH, Wien, Austria),
- **Boris Turk** (Biochemistry and Molecular Biology, University of Ljubljana, Slovenia)
- Further active collaborations:
- **Judy Lieberman** (Immune Disease Institute, Boston Children's Hospital and Harvard University, USA).
- **Thomas Thum** (IMTTS, Hannover Medical School, Germany)

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