

CURRICULUM VITAE

CONTACT INFORMATION

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PERSONAL DATA

Date of birth: November 07, 1977.
Citizenship: Hungarian
Languages: Fluent in English, some French, Hungarian
Other: Drivers license, non-smoker

EDUCATION

February, 2006 –

Institution: Brigham and Women's Hospital, Harvard Medical School
Qualification: **Research Fellow**
Field of study: **Applications of focused ultrasound in renal ultrafiltration**
Reference: Ferenc Jolesz, M.D., Professor of Radiology, Harvard Medical School (djo@bwh.harvard.edu)

September, 2003 – January, 2006

Institution: Semmelweis University Hungary, First Department of Pediatrics, Nephrology
Qualification: **PhD in Medicine**
Dissertation: **Renal physiology and pathophysiology**
Reference: Gyorgy Reusz, M.D., PhD, Professor of Pediatrics, Professor of Nephrology, Tutor (reusz@gyer1.sote.hu)

September 1997 – August 2003

Institution: Semmelweis Medical School, Budapest, Hungary
Qualification: **Degree in Medicine**
Dissertation: Lactose intolerance in early childhood
Level of academic distinction: Summa cum laude

AWARDS AND HONORS

2009 Friedman Fellowship, Friedman Foundation
2008 CIMIT New Concept Award
2007 Brigham Radiology Research and Education Foundation Award

RESEARCH EXPERIENCE

Animal experiments (nephrectomy, renal transplantation, rat model of diabetes, hypertension and ischemia/reperfusion)

Focused ultrasound kidney treatment

Cell culture experiments (primary cells and tumor cell lines)

RT-PCR

Microarray analysis

PUBLICATIONS

Fischer K., McDannold N., Kardos M., Szabo A., Reusz GS, Jolesz F. Renal ultrafiltration changes induced by focused ultrasound. Radiology. 2009, in press.

Lee W, Pinckney J, Lee V, Lee JH, **Fischer K**, Polio S, Park JK, Yoo SS. [Three-dimensional bioprinting of rat embryonic neural cells](#). Neuroreport. 2009 May 27;20(8):798-803.

Lee W, Debasitis JC, Lee VK, Lee JH, **Fischer K**, Edminster K, Park JK, Yoo SS. [Multi-layered culture of human skin fibroblasts and keratinocytes through three-dimensional freeform fabrication](#). Biomaterials. 2009 Mar;30(8):1587-95.

Marzelli M, **Fischer K**, Kim YB, Mulkern RV, Yoo SS, Park HW, Cho ZH, Composite MR Contrast Agents for Conditional Cell-Labeling Int J Imag Syst Technol. 18: 79–84. 2008

Fischer K, Galamb O., Molnar B., Tulassay Z, Szabo A. RNA expression as a prognostic tool in idiopathic nephrotic syndrome. Orv.Hetil. 2007.

Galamb O, Sipos F, **Fischer K**, Tulassay Z, Molnar B. The results of the expression array studies correlate and enhance the known genetic basis of gastric and colorectal cancer. Cytometry B Clin Cytom. 2005.

Fischer K., Galamb O., Molnar B., Kardos M., Reusz GS., Tulassay Zs., Tulassay T. Whole genom expression analysis of formalin fixed paraffin embedded kidney biopsy samples from idiopathic nephrotic syndrome. IN SUBMISSION.

Fischer K., McDannold N., Kardos M., Szabo A., Reusz GS, Jolesz F. Power dependent shear stress effects of focused ultrasound on the glomerular ultrafiltration. IN PREPARATION.

INTEREST: Radiology, Diagnostic and Therapeutic Ultrasound, Acute and Chronic Kidney Disease.