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Transcriptome profiling of infectious diseases and cancer in zebrafish

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Curriculum vitae

Anita Ordas was born on 21 October 1980 in Szeged, Hungary where she attended secondary education at the Miklos Radnoti Gymnasium. She studied biology at University of Szeged, Hungary from 1999 and received her MSc in 2004. She also received a diploma as an English Translator of Biology at the same university (2000-2004). From 2002 she worked in the lab of Dr. Edit Hajdu at the Institute of Clinical Microbiology of University of Szeged, Hungary where her project was the analysis of antibiotic resistance of *Streptococcus pneumoniae*. During her studies she received three times the Scholarship of the City of Szeged for her prominent scholastic record and scientific work (2001, 2002, 2003). From 2005 she worked as a research assistant in the lab of Prof. Dr. Katalin Csiszar in the Cardiovascular Research Center of University of Hawaii, USA and studied molecular aspects of a novel human fibrotic disorder. From 2007 she joined the group of Dr. Matyas Mink in the Department of Genetics of University of Szeged, Hungary and started working on the EU-funded project 'High-throughput Tools for Biomedical Screens in Zebrafish' (ZF-TOOLS) in collaboration with the Institute of Biology, University of Leiden. In the context of this project she started her PhD work in the lab of Prof. Dr. Herman Spaik under supervision of Dr. Annemarie H. Meijer in the Institute of Biology at University of Leiden. The focus of her research and the main work for her thesis has been the analysis of gene and miRNA expression in infectious diseases and cancer in zebrafish.

List of publications

Ordas A, Szauter KM, Laxer RM, Pope E, Wherrett D, Alman B, Mink M, Csiszar K and Hinek A. A novel fibrotic disorder associated with increased dermal fibroblast proliferation and downregulation of genes of the microfibrillar network (submitted to *Br J Dermatol*, accepted with minor revisions)

Hegedus Z, Zakrzewska A, Agoston VC, **Ordas A**, Racz P, Mink M, Spaink HP, Meijer AH. Deep sequencing of the zebrafish transcriptome response to mycobacterium infection. *Mol Immunol*. 2009 Sep;46(15):2918-30.

Racz P, Mink M, **Ordas A**, Cao T, Szalma S, Szauter KM, Csiszar K. The human orthologue of murine *Mpzl3* with predicted adhesive and immune functions is a potential candidate gene for immune-related hereditary hair loss. *Exp Dermatol*. 2009 Mar;18(3):261-3.

Hajdu E, Matuz M, Benko R, **Ordas A**, Nagy E. An 8-Year Evaluation of Antibiotic Consumption and Antibiotic Resistance Among *Streptococcus pneumoniae* from In- and Out-Patients in Szeged, Hungary. *J Chemother*. 2007 Oct;19(5):519-27.

Hajdú E Matuz M, Benkő R, **Ordas A**, Blazsovszky M, Jeszenszky M, Szurdi M, Nagy E. *S. pneumoniae* törzsek antibiotikum érzékenységének retrospektív értékelése 1998-2005 között az antibiotikum fogyasztás tükrében. *Infektológia és Klinikai Mikrobiológia* 2006; XIII. 127-136

In preparation:

Ordas A, Zakrzewska A, Stockhammer OW, Carvalho R, van der Sar AM, Zhang Y, Verbeek FJ, Mink M, Spaink HP, Meijer AH. MicroRNA expression during bacterial infections in zebrafish

Ordas A, He S, Gong Z, Zhang Y, Verbeek FJ, Mink M, Spaink HP, Snaar-Jagalska B.E., Meijer AH. Liver tumor-related microRNA expression is conserved between zebrafish and human

Ordas A, Hegedus Z, Henkel C, Stockhammer OW, Butler D, Jansen HJ, Racz P, Mink M, Spaink HP, Meijer AH. Deep sequencing of the innate immune transcriptional response of zebrafish embryos to Salmonella infection

Racz P, Zakrzewska A, Csukonyi E, **Ordas A**, Spaink HP, Mink M, Meijer AH. Functional analysis of the *mpzl3* gene in zebrafish

