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CITIZENSHIP	Hungary	
DATE AND PLACE OF BIRTH	25 April 1987, Budapest, Hungary	
RESEARCH INTERESTS	<ul style="list-style-type: none"> <li>• Cellular signaling and regulation</li> <li>• Cellular lipid homeostasis</li> <li>• Regulation of autophagy</li> <li>• Biochemical and ecological networks</li> </ul>	
EDUCATION AND RESEARCH	Postdoc • <b>Universitätsklinikum RWTH Aachen</b> and <b>EMBL Heidelberg</b> EIPOD fellow • <b>EMBL-EBI Hinxton</b> & <b>EMBL Heidelberg</b>	<b>from 2017 September</b>  <b>May 2014–June 2017</b>
	<ul style="list-style-type: none"> <li>• Group leaders: Julio Saez-Rodriguez and Anne-Claude Gavin</li> <li>• Comprehensive analysis of literature curated signaling pathway data</li> <li>• High-throughput screening of lipid binding properties and membrane affinities of human lipid transfer proteins</li> <li>• Developing methods for measurement of autophagy in microfluidics</li> </ul>	
	Ph.D. Molecular Medicine • <b>Semmelweis University</b> Budapest	<b>May 2014</b>
	<ul style="list-style-type: none"> <li>• Thesis Topic: Building a complex signaling and regulatory network, and its application in discovering the regulation of NRF2, an antioxidant transcription factor</li> <li>• Advisor: Prof. Peter Csermely</li> </ul>	
	M.S., Biology • <b>Eötvös Loránd University</b> Budapest	<b>January 2012</b>
	<ul style="list-style-type: none"> <li>• Specialization: Evolutionary Biology, Ecology and Taxonomy</li> <li>• Thesis Topic: Diversity measurement and comparison in hydrobiological mesocosm ecosystems</li> <li>• Advisor: Levente Hufnagel</li> </ul>	
PROFESSIONAL EXPERIENCE	<i>Research</i>	<b>June 2004 to present</b>
	<ul style="list-style-type: none"> <li>• Programming (Python, R, PHP, JavaScript, Bash, MySQL, L<sup>A</sup>T<sub>E</sub>X, HTML)</li> <li>• Computational analysis of molecular biology data</li> <li>• Analysis of lipidomics mass spectrometry data</li> <li>• Using molecular interaction networks and other prior knowledge in large scale data analysis</li> <li>• Tissue culture, transformation, high-content microscopy, microfluidics</li> <li>• Freshwater mesocosm experiments, determination of freshwater algae and copepodes</li> </ul>	
	<i>Teaching</i>	
	<ul style="list-style-type: none"> <li>• Bioinformatics topics for pre-docs at <b>EMBL-EBI</b> and <b>Earlham Institute</b></li> <li>• Bioinformatics for Master students in biology (approx 100 students per year), <b>Eötvös Loránd University</b></li> </ul>	<b>2015–2017</b> <b>13 September 2012–26 May 2014</b>
SELECTED PUBLICATIONS	All publications: <a href="http://goo.gl/Y9FFz4">goo.gl/Y9FFz4</a>	
(5 OF 14)	<ol style="list-style-type: none"> <li>1. Türei D, Korcsmáros T, Saez-Rodriguez J (2016). OmniPath: guidelines and gateway for literature-curated signaling pathway resources. <i>Nat. Methods</i> 13(12):966–967. (IF: 25.33)</li> <li>2. Türei D, Földvári-Nagy L, Fazekas D, Módos D, Kubisch J, Kadlecik T, Demeter A, Lenti K, Csermely P, Vellai T, Korcsmáros T (2015). Autophagy Regulatory Network—A systems-level bioinformatics resource for studying the mechanism and regulation of autophagy. <i>Autophagy</i> 11(1):155–165. (IF: 11.75)</li> <li>3. Papp D, Lenti K, Módos D, Fazekas D, Dúl Z, Türei D, Földvári-Nagy L, Nussinov R, Csermely P, Korcsmáros T (2012). The NRF2-related interactome and regulome contain multifunctional proteins and fine-tuned autoregulatory loops. <i>FEBS Lett.</i> 586(13):1795–1802. (IF: 3.54)</li> <li>4. Fazekas D*, Koltai M*, Türei D*, Módos D, Pálffy M, Dúl Z, Zsákai L, Szalay-Bekó M, Lenti K, Farkas IJ, Vellai T, Csermely P, Korcsmáros T (* – equal contributions; 2013). Signalink 2 – A signaling pathway resource with multi-layered regulatory networks. <i>BMC Systems Biology</i> 2013, 7:7. (IF: 3.15)</li> <li>5. Kubisch J, Türei D, Földvári-Nagy L, Dunai Zs, Zsákai L, Varga M, Vellai T, Csermely P, Korcsmáros T (2013). Complex regulation of autophagy in cancer – Integrated approaches to discover the networks that hold a double-edged sword. <i>Seminars in Cancer Biology</i>, in press (IF: 7.43)</li> </ol>	