ORSOLYA ANNA PIPEK

CURRICULUM VITAE

PERSONAL DETAILS

Date of birth:	5 January 1991
Place of birth:	Budapest, Hungary
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EDUCATION

2012 – 2014	Eötvös Loránd University, Faculty of Science, Budapest Physicist MSc statistical physics and complex systems specialisation (with honours)
2009 – 2012	Eötvös Loránd University, Faculty of Science, Budapest Physics BSc physicist specialisation (with honours)
2001 – 2009	Kempelen Farkas Gimnázium, Budapest

RESEARCH EXPERIENCE

2014 –	Eötvös Loránd University, Faculty of Science, Budapest PhD student Dissertation topic: The genome as a complex system
2013 –	Molecular genetics research with the Institute of Enzymology, Hungarian Academy of Sciences

TEACHING EXPERIENCE

2016, 2017	Complex systems simulations – teaching assistant (Course for MSc students)
2017	Numerical methods of Physics I – teaching assistant (Practice for BSc students)

2016	Problem-solving with computers – teaching assistant (Practice for MEd students)
2016	Computer simulations in physics – teaching assistant (Course for MSc students)

PUBLICATIONS

Téglási V, Reiniger L, Fábián K, Pipek O, Csala I, Bagó AG, Várallyai P, Vízkeleti L, Rojkó L, Tímár J, Döme B, Szállási Z, Swanton C, Moldvay J. (2017) Evaluating the significance of density, localization, and PD-1/PD-L1 immunopositivity of mononuclear cells in the clinical course of lung adenocarcinoma patients with brain metastasis. *Neuro Oncol.*, now309.

Pipek O, Ribli D, Molnár J, Póti Á, Krzystanek M, Bodor A, Tusnády GE, Szallasi Z, Csabai I, Szüts D. (2017) Fast and accurate mutation detection in whole genome sequences of multiple isogenic samples with IsoMut. *BMC Bioinformatics*, 18:73.

Zámborszky J, Szikriszt B, Gervai J, Pipek O, Póti Á, Ribli D, Krzystanek M, Szalai Gindl JM, Swanton C, Szallasi Z, Csabai I, Richardson AL, Szüts D. (2017). Loss of BRCA1 or BRCA2 markedly increases the rate of base substitution mutagenesis and has distinct effects on genomic deletions. *Oncogene*, 36, 746–755.

Szikriszt B, Póti Á, Pipek O, Krzystanek M, Kanu N, Molnár J, Ribli D, Szeltner Z, Tusnády GE, Csabai I, Szállási Z, Swanton C, Szüts D. (2016). A comprehensive curvey of the mutagenic impact of common cancer cytotoxics. *Genome Biol.* 17, 99.

Molnár J, Póti A, Pipek O, Krzystanek M, Kanu N, Swanton C, Tusnády GE, Szállási Z, Csabai I, Szüts D. (2014). The genome of the chicken DT40 bursal lymphoma cell line. *G3 (Bethesda)* 4, 2231-2240.