**2015:**

Susor, A., Jansova, D., Cerna, R., Danylevska, A., Anger, M., Toralova, T., Malik, R., Supolikova, J., Cook, M.S., Oh, J.S., Kubelka, M. (2015): Temporal and spatial regulation of translation in the mammalian oocyte via the mTOR/4F pathway. **Nature Commun.,** 6:6078.

IF: 11,470

Alfaqeeh S, Oralova V, Foxworthy M, Matalova E, Grigoriadis AE, Tucker AS. (2015): Root and Eruption Defects in c-Fos Mice Are Driven by Loss of Osteoclasts**. J Dent Res**. 94:1724-31.

IF: 4,139

Buchtova, M., Chaloupkova, R., Zakrzewska, M., Vesela, I., Cela, P., Barathova, J., Gudernova, I., Zajickova, R., Trantirek, L., Martin, J., Kostas, M., Otlewski, J., Damborsky, J., Kozubik, A., Wiedlocha, A., Krejci, P. (2015): Instability restricts signaling of multiple fibroblast growth factors. **Cell.Mol.Life Sci**., 72:2445-2459.

IF: 5,808 (6,005-5yr)

Henderson G, Cox F, Ganesh S, Jonker A, Young W; Kopecny, J., Simunek, J., Global Rumen Census Collaborators, Janssen PH. (celk 146 Au): Rumen microbial community composition varies with diet and host, but a core microbiome is found across a wide geographical range. **Scientific Reports,** 2015 Oct 9;5:14567. doi: 10.1038/srep14567.

IF: 5,578

Dion-Côté AM, Symonová R, Ráb P, Bernatchez L. (2015): Reproductive isolation in a nascent species pair is associated with aneuploidy in hybrid offspring. **Proc Biol Sci.** 2015 Mar 7;282(1802). pii: 20142862. doi: 10.1098/rspb.2014.2862.

* IF: 5,051 (5,648-5yr)

Hoffmann A, Plötner J, Pruvost NB, Christiansen DG, Röthlisberger S, Choleva L, Mikulíček P, Cogălniceanu D, Sas-Kovács I, Shabanov D, Morozov-Leonov S, Reyer HU. (2015): Genetic diversity and distribution patterns of diploid and polyploid hybrid water frog populations (Pelophylax esculentus complex) across Europe**. Mol.Ecol.,** 24:4371-4391.

IF: 6,494

Rovatsos, M., Pokorná MJ, Altmanova, M., Kratochvíl L. (2015): Female heterogamety in Madagascar chameleons (Squamata: Chamaeleonidae: Furcifer): differentiation of sex and neo-sex chromosomes. **Scientific Reports**, 5:1396.

* IF: 5,578