



# JOURNAL CLUB

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## HISTONE CODE-DERIVED SELECTION OF HIGHLY FERTILE SPERM

Thursday 9<sup>th</sup> March, 1<sup>00</sup> p.m.  
(no longer than 20 min. including discussion)

Histone-protamine exchange is specific phenomenon for spermatogenesis and, therefore, sperm chromatin contains mostly protamines. Surprisingly, there are residual histones in sperm head, including the index of their post-translational modifications called „histone code“. Sperm histones obviously do not mean a lapse of Mother Nature but sophisticated tool of sperm for molecular regulation of fertilization and beginning of the life. Accordingly, the most inovative andrological approaches utilize sperm histone code for advanced sperm selection, with respect to their high fertilization ability.

**Accompanied by small refreshment.**

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**About JC:** The goals of Journal Club are manifold. Primarily, it serves as a forum where every member of our Biomedical Center can present the latest results from his field and specialization in a way that is accessible to her/his colleagues. The first language of JC's is English. Additionally, it serves as a place to present results from own research and to train presentations. We would like to stimulate discussion across multiple scientific fields in order to reach wider and deeper insight of contemporary development of science. Researchers from outside of the center are welcomed to participate and/or to present their own topics. Please, do not hesitate to come or to contact us. Organizers: J. Kroc, L. Vistejnova and P. Klein.

**Journal Club on G+:** <https://plus.google.com/u/0/communities/104180668850948576055>

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