



**BIOMEDICAL  
CENTER**

# JOURNAL CLUB

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## New approaches in sperm evaluation: heterogeneity of ejaculates and non-invasive techniques

4. 5. 2016 at 3 pm

Sperm is the most diverse cell type known and it is considered that this diversity reflects differences in sperm function. However, how assess these differences between sperm belonging to the same ejaculate and, most importantly, how to select in real-time that spermatozoa with a particular trait remains incompletely described. Many sperm selection techniques developer so far are time consuming and required some procedures, which can be harmful to the cell. In addition, most of them are based on sperm parameters that do not provide relevant information if these spermatozoa are used by means of assisted reproduction techniques (ART). Recently, new technologies are being developed using non-invasive methods to sperm selection in combination with novel sperm markers, which will be useful in the future to detect normal functional sperm for ART.

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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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