



**BIOMEDICAL
CENTER**

JOURNAL CLUB

Jan Nevoral, Miriama Štiavnická & Jiří Moravec

S-SULFHYDRATION: HYDROGEN SULFIDE-DERIVED PROTEIN POST-TRANSLATIONAL MODIFICATION

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Hydrogen sulfide is known as a dangerous neurotoxin, however, the enzymatical release of extremely low doses of hydrogen sulfide takes place directly in the cell. For a long time, there was no exact explanation of hydrogen sulfide presence. Recently, S-sulphydration, one of post-translational protein modifications, has been described as the main mode of hydrogen sulfide action. Therefore, characterization of hydrogen sulfide down-stream factors represents a perspective for pharmacological utilization of hydrogen sulfide in various types of therapy.

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>

Biomedical Center

Faculty of Medicine in Pilsen | Charles university
alej Svobody 1655/76 | 323 00 Plzeň | www.biomedic-plzen.cz

