

## ITC CONFERENCE GRANT SCIENTIFIC REPORT

This report is submitted for approval by the grantee to the MC Chair.

**Action number:** CA15203

**Conference title:** WISe3 (Wien, Innsbruck, Szeged) Conference

**Conference start and end date:** 26/03/2018 to 27/03/2018

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**Grantee name:** Kasja Pavlović

### ACTIVITIES DURING YOUR ATTENDANCE AT THIS CONFERENCE:

My attendance started the first day of the WISe3 (Wien, Innsbruck, Szeged) Conference and completed the last day. On the first day I followed the scientific programme that was related to sepsis and systemic inflammation, circulatory shock and ischemia-reperfusion and biologically active gases and small signalling molecules. The second day I participated in the Oroboros O2k-workshop on hypoxia and demo experiment, and followed the scientific sessions. In the poster session, I presented the results of my research in a poster presentation entitled "C2C12 myoblasts as a cell model for studying the role of mitochondria in insulin resistance".

### IMPACT ON YOUR RESEARCH AND FUTURE COLLABORATIONS (if applicable)

Attending this conference will influence my scientific work and research in a very positive way. The topics that were covered in the oral presentations and lectures were mostly closely related to my field of research. As I am at the start of my scientific career, everything that I can learn from other people's research experience means a lot in everyday lab work, and also in broadening my general knowledge and gaining ideas for future research. The Oroboros O2k-workshop was very useful for answering my questions about the method of respirometry, especially concerning calibration, set-up of the instrument, and also following the oxygen levels and working in high or low oxygen conditions. All of this will help with my work on insulin resistance cell models and the role of mitochondria in this state.

Many good talks were given by scientists from all over Europe, and I found this conference in that sense very inspiring and informative. Also, I found the questions and comments regarding my own research during the poster session very useful, and I am grateful for every suggestion and constructive critique. My supervisor and I made contacts with some scientists working on similar subjects and are hoping for future collaborations. A probable collaboration will be with Laszlo Juhasz from Szeged, Hungary, with whom we planned to measure extramitochondrial calcium movement in the cell.