

ITC CONFERENCE GRANT SCIENTIFIC REPORT

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

Action number: CA-15203

Conference title: Joint MiP2017/MitoEAGLE Conference, Management Committee Meeting and Working Group 1-4 Meeting

Conference start and end date: 15/11/2017 to 18/11/2017

Conference attendance start and end date: 15/11/2017 to 18/11/2017

Grantee name: yusuf OLGAR

ACTIVITIES DURING YOUR ATTENDANCE AT THIS CONFERENCE:

This conference held in Hradec Kralove between 15-18 november in Czech republic.

There are lots of activities, several poster sections and special lectures during the program. I attended both MiP conference and mitoeagle action during the period.

Briefly,

- ☐ METABOLIC SYNDROME-followed by poster session and social program
- ☐ MITOCHONDRIAL LIFESTYLE-2 different sub-section carried out-followed by poster section
- ☐ MITOEAGLE WORKING GROUP'S SELECTED TOPICS-mitochondrial fitness mapping-
- ☐ MITOEAGLE WORKING GROUPS ACTIONS.WG1: SOPs and user requirement document-mitoeagle data repository on muscle and other tissues
- ☐ MITOEAGLE MANAGEMENT COMMITTEE MEETING

My action/activity in MiP/Mitoeagle Conference

I presented poster on 16th Nov 2017 entitled "**Impaired mitochondrial function seems contributing to aging-associated abnormal heart function via increased production of reactive oxygen species**". The contributors are: Olgar Y, Durak A, Degirmenci S, tuncay E, Turan B.

IMPACT ON YOUR RESEARCH AND FUTURE COLLABORATIONS (if applicable)

(max.500 words)

This joint conference gave me opportunities to meet with new scientists and I am sure that with the following actions I will built new collaborations through WGs members.

I also learnt mitochondrial respiratory system like oroboros and others. I talked about that systems and get informations about facilities.

During my poster presentation I met with profesor periasamy muthu. He offered me lots of protocols and technics to improve my mitochondrial study. He also invited me as a Post-doc in his lab. On the other hand I met with Erich, and explained me new ideas about proton motive force. I met also with Spanish team they are working with Nrf2 and mitokondrial physiology. They also invited me for post-doct position.

What we are doing?.

*We are actually electrophysiologist and my aim is to show mitochondrial function in different aspects. We can measure ATP-sensitive K channels when ATP/ADP ratio changes, implying disrupted mitochondrial respiration. I think with our approach we can say that distinguish decreased ATP activity gives much more ideas to understand real mitochondrial system.
I would like to thanks to COST for supporting ITC countries. "I think we are better together"*