

## Report

**Task:**

Task 1. Organisation of mobilities

Task 2. Subsidising participation in international conferences

**Participant's first and last name, academic degree and title:**

Mengjun Wu MSc (PhD student)

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**University name:**

University of Molise

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**Faculty/Department name:**

Environmental and Food Sciences

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**Implementation period:**

between the 14<sup>th</sup> of June 2022 and 13<sup>th</sup> of August 2022

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**Description of actions implemented within the task:**

Basis of the collaboration: development of international research collaboration being the priority of EcoSET NAWA and realization of the goals of international cooperation with University of Molise foreseen in the OVOBIOM research project (NCN no. 2019/35/B/NZ9/03186)

- 1/ Participating in co-culture of probiotics with intestinal cell lines and analysis of metabolite samples (Task 1).
- 2/ Completion and submission of 2 manuscripts. The advanced drafts were prepared during the earlier mobility (Task 2).

Description of results obtained during the implementation of the task:

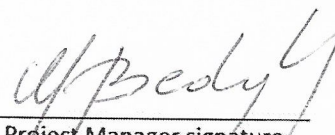
<p>Short-term:</p>	<ul style="list-style-type: none"> <li>• 1/ Participating in the analysis of metabolite samples from OVOBIOM project (Polish National Science Centre grant no. 2019/35/B/NZ9/03186)</li> <li>• 2/ Complete a draft manuscript on the "Metabolomic approach to elucidate the effects of prebiotics and probiotics on gut health in poultry"</li> <li>• 3/ Assist colleagues with cell maintenance and primordial germ cell (PGC) isolation from chick embryo and RNA extraction.</li> <li>• 4/ Discuss and propose the protocol for the effects of probiotics supernatant on cells under heat stress conditions.</li> <li>• 5/ Discuss and propose the protocol for the generation of monocyte-derived macrophages (MDMs) from sheep blood.</li> </ul>
<p>Long-term:</p>	<ul style="list-style-type: none"> <li>• Increased internationalization of the group at the Faculty of Animal Genetics and Biotechnology dpt, PBS</li> <li>• The PhD candidates from UNIMOL (Mr Mengjun Wu) and PBS (Ms Sanling Zuo) have the 1 common peer-reviewed articles.</li> <li>• Maintain the cooperation according to the project (Polish National Science Centre grant no. 2020/39/I/NZ9/01304)</li> </ul>

29.8.2022

Mengjun Wu

date, Beneficiary signature

(Mengjun Wu, MSc)



date, Project Manager signature

(Prof. Marek Bednarczyk)