

## 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)

---

**University name:**

University of Molise

---

**Faculty/Department name:**

Environmental and Food Sciences

---

**Implementation period:**

between the 20<sup>th</sup> of August and 20<sup>th</sup> of November 2021

---

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

1/ contribution to study protocols for targeted and non-targeted metabolomic analysis in frame of the OVOBIOM project (Polish National Science Centre grant no. 2019/35/B/NZ9/03186)

2/ preparation of a draft manuscript on metabolomic approach to understand functions of prebiotics and prebiotics in gut cells' environment

3/ analysis of the proteomic results and contribution to the manuscript 'Proteomic signatures in chicken oviduct cells after delivery of a human exogene'

4 participating in a 2-day MonoGutHealth workshop on Monogastric animals nutrition, which took place within H2020-MSCA-ITN EU project on 28-29<sup>th</sup> of September 2021 in Bydgoszcz

5/ monthly participation and providing an oral presentation in frame of departmental seminar series

Description of results obtained during the implementation of the task:

<p><b>Short-term:</b></p>	<ul style="list-style-type: none"> <li>• Finalized study protocol: preparation of samples from probiotic-prebiotic culture for the global metabolomics</li> <li>• a draft review manuscript on the application of metabolomics in chicken microbiome research delivered; to be submitted by Feb 2022</li> <li>• analysis of the proteomic results and contribution to the manuscript 'Proteomic signatures in chicken oviduct cells after delivery of a human exogene'; the article to be submitted by Feb 2022</li> </ul>
<p><b>Long-term:</b></p>	<ul style="list-style-type: none"> <li>• increased internationalization of the in ovo working group at the Faculty of Animal Genetics and Biotechnology dpt, PBS (The host supervisor K. Stadnicka, PhD is to become the 2nd co-promoter of Mr Wu's thesis)</li> <li>• The PhD candidates from UNIMOL (Mr Mengjun Wu) and PBS (Ms Sanling Zuo) have the 2 common peer-reviewed articles and 1 book chapter to be published in 2022</li> <li>• The internship of Mr Mengjun Wu has an impact on the internationalization of the OVOBIOM project supervised by the PBS worker, K. Stadnicka PhD (to be reported in 2024)</li> </ul>

13.01.2022 Mengjun Wu  
date, Beneficiary signature  
(Mengjun Wu, MSc)

14.01.22 Marek Bednarczyk  
date, Project Manager signature  
(Prof. Marek Bednarczyk)