

WG4 Meeting Report, 31 August 2022 – Turku (FinalInd)



Utrecht University

Aldert Zomer

WG4 Vice Leader



MICROBIOME

[HOME](#)

[ABOUT US](#)

[NEWS](#)

[ACTIVITIES AND EVENTS](#)

[PUBLICATIONS](#)

[GET INVOLVED](#)



ML4MICROBIOME ACTION OVERVIEW

[READ MORE](#)

COST Action CA18131

Statistical and machine learning techniques in human microbiome studies



MICROBIOME



- **Frontiers research topic**

- Completed. New one?- yes – how much money is available for APC. With the extension the new topic is possible. Task: create an online word document for the application at frontiers – title + small scope description.
- Aldert Zomer, Aleksandra Gruca, Alise Ponsero, Jasminka Hasic, Domenica D’Elia, (ask Isabel) as editors
- Invite people personally. Frontiers emails are ignored by many.
- Deadline for drafting call: 1st of October.
- AZ: ask Isabel for contact at Frontiers.
- Subjects:
 1. Machine Learning on 16S or shotgun metagenomics? Which method is suitable from the computational side, but which one is suitable from the lab side?
 2. others



MICROBIOME



- 2022 Training school in Barcelona 5-7 October:
 - A limited number of participants (max 25 because of teaching load)
 - Budget? Can we have 25?
 - Students get a fixed stipend
 - 48k available
 - Student: 182 per diem
 - Flights: 400 (teachers have higher limit but we take the average)
 - ~1200 per participant (student/teacher)
 - 10 teachers / 27 students.
 - Local organizer support 2500
 - Trainees must be cost full/cooperating members
 - MSc are not allowed – add eligibility to call page



MICROBIOME



- **Registration until September 11th**
- **Google registration form** – 15 applicants now
- **Preliminary agenda:** same/similar materials as last year
- **Teachers:** Magali is not available, Eliana has volunteered to take over that lecture. Check for Doris. Replace with a different lecture? Via Zoom is also ok (Check timezone). Trainers may come from non-MC countries (4 max: Doris?)
- **Ranking Participation criteria:** MC member-related candidates, PhD-stage, early-bird, new participants, country balance, ITC balance. Aldert will put names in the excel file
- **Test virtual machines in advance**
- **Decided on NO recording; lectures only**
- **Read up upon reporting requirements**
- **Aleksandra Survey on Barcelona TS experience**, directly after TS.
- Aldert: **Mentimeter during TS**
- Aldert: **Check which form(s) Victor has to submit**



MICROBIOME



- Workshops 2022:
 - Not obligatory, but previous workshop efforts appreciated
 - With the extension, we do one more. In principle, we have it as Leo organized it 29th of August.
 - Possibility of applying for Virtual Mobility Grants for organizing workshops
 - Topics: feature selection, classification, stratification → decide upon a survey among last year's participants – Alice will make a short survey
 - Workshop (physical or virtual), spring 2023. Ask for the budget in case of a physical meeting.



MICROBIOME



Paper draft to be finalized

- ML4MICROBIOME CHALLENGES & RESULTS section needs finishing
- Will wait for Domenica to take action after her return
- **Deadlines:**
 - End June: prepare the Outline - done (Domenica)
 - September for major writing
 - October-mid November first draft for sharing
 - February for submission
- **Deliverables**
- **Challenging/pending tasks (motivations and discussion)**



MICROBIOME



- **COST Action Extension**

- TS potentially in May in Utrecht – depending on available funds. Aldert will check with Randi
- Same material, but keep up to date with current knowledge.

- **Others**

- Add Turku meeting to the website.
- The website is continuously updated - But we need more member information. Send emails to all members. Get information from Marcus/Aiofe from e-cost submissions. For missing ones: Alise makes a very simple template with picture upload (google forms)

- **Any other business**

- Committee on TS trainee participation: Domenica, Aldert, Jasminka
- Check rules for counting papers as dissemination – check for acknowledgment section paper – check APC charge options