

Statistical & machine learning techniques in human microbiome studies



ML4Microbiome

WG Meeting 23-24th May 2022

Tirana, Albania

Prof Marcus Claesson, CA18131 Action Chair



Agenda – Day 1

9.00-9.30	Chair welcome & updates	
9.30-9.50	Seminar 1 by Eglantina Kalluci, Albania	
9.50-10.10	Seminar 2 by Osman Uğur Sezerman, Turkey	
10.10-10.30	WG1 progress update	
10.30-10.50	WG2 progress update	
10.50-11.30	Coffee break	← Group photo!
11.30-11.50	WG3 progress update	
11.50-12.10	WG4 progress update	
12.10-12.30	STSM progress update	
12.30-13.45	Lunch break	
13.45-17.00	Separate WG meetings	
18.00-19.30	Tour of Tirana	
20.00-??.??	Dinner at Mondial Hotel	



Agenda – Day 2

9.00-12.00	Separate WG meetings
12.00-13.00	Lunch
13.00-13.20	WG1 reporting & future plans
13.20-13.40	WG2 reporting & future plans
13.40-14.00	WG3 reporting & future plans
14.00-14.20	WG4 reporting & future plans
14.20-14.40	Closing remarks by Chair
15.30-18.15	Workshop in Faculty of Natural Sciences, University of Tirana: <i>Advances in the analysis of human microbiome and transcriptomics data</i> <i>Welcome: Eglantina, Sajmir, Domenica, Eliana</i> <i>Speakers: Leo, Magali, Marta, Aldert</i>



Meeting logistics

- Don't forget to sign Attendance List
- Hybrid approach via Zoom
- New Grant Holder Manager
- New Rules, e.g.
 - No more MC Substitutes -> WG member, who can be from anywhere
 - ECI within 8yrs from PhD -> Researcher or innovator under 40yrs
 - ITC: Luxembourg -> Greece
 - STSM can be anywhere in the world (€3.5k->€4k)
 - Software/db usage costs now eligible



Aoife Tierney
Project Officer
UCC Academy



GP3 Meetings (now – Oct 2022)

- WG 23-24th May in Tirana, Albania
- MC+WG 29-31st Aug in Turku, Finland
- TS 5-7th Oct in Barcelona, Spain
- Extra WG in Bergen Aug-Oct if funds available

** Times might change **

*** If Covid-19 restrictions etc allow ***




ML4 Microbiome extension

- *Force majeure* extension now possible
 - After 5 month Cov19 extension in GP2, GP4 end was not adjusted
 - New COST decision: 6 mos from original end of Action (Apr 2024)
 - MC approval required
 - Apply in GP4 (Nov 2023)
- COST Action sequel: ML4 Microbiome ver2...?
 - Next deadline 20th Oct 2022 -> start Action Nov 2023 (seamless)
 - If not, deadline Oct 2023 -> start Action Nov 2024
 - Any coordinator volunteers?
 - Theme/idea? Build on MSCA-ITN BIOMING?



Miscellaneous (selfish😊) promotions...

- Marie Curie INSPIRE Postdoc Fellowship
 - 2yr from Feb 2023 at APC Microbiome Ireland, Cork
 - Microbiome & ML of paediatric Crohn's disease
- Host STSM in your lab?
 - Two PhD students with ML & microbiome expertise
 - *Deep-faking the microbiome*
 - *ML predictions from combinatorial omics data*
- **SEQBIOME** 
 - Spin-out from APC Microbiome Ireland
 - Sequence and/or analyse your microbiome data



Now enjoy Tirana & the WG Meeting!