

Nature and Life Sciences Faculty-

Ibn Khaldoun university-Tiaret



Hands-on 16S rRNA gene amplicon analysis (September 18th-19th, 2023)

Trainers:

M. Ilias Lagkouvardos (Associated Professor, Greece university.
Leader group, technological university, Munich, Germany);
Dr. Yacine Amar (technological university, Munich, Germany).

Location

Conference Room of central library, Nature and Life Sciences Faculty,
Karman Campus, Ibn Khaldoun University, Tiaret, Algeria.

Attendees

30 participants

Target group

Scientists (post graduates) that have done or plan to do
a 16S rRNA based microbiome project.

Participation fees

PHD students: 1000 DA.

Teachers and researchers: 5000 DA.

(Participants should bring their laptops).

Organizing Committee

President:	Dr. Hafidha Khadem (Univ. Tiaret)
Members:	Dr. Badra Boubakeur (Univ. Tiaret)
	Dr. Djamila Mezouar (Univ. Tiaret)
	Dr. Fatima Dahlia (Univ. Tiaret)

Program

Monday, 18th of September 2023

09:00 – 09:15	Welcoming words
09:15 – 11:00	Introduction to amplicon-based NGS (T)
11:00 – 11:15	Coffee break
11:15 – 12:00	Processing raw amplicon data with IMNGS2 (P)
12:00 – 13:00	Lunch break
13:00 - 15:00	Beyond the OTU table (T)
15:00 – 15:15	Coffee break
15:15 – 16:00	Microbiome analysis with Rhea (P)

Tuesday, 19th of September 2023

09:00 – 11:00	Microbiome analysis with Rhea (P)
11:00 – 11:15	Coffee break
11:15 – 12:00	Tools for advanced Microbiome analysis (T)
12:00 – 13:00	Lunch break
13:00 - 15:00	Beyond the OTU table (T)
15:00 – 15:15	Coffee break
15:15 – 16:00	Microbiome analysis with Rhea (P)

T – Theory session, P – Practical session

The timetable is indicative and will be adjusted according to the actual progress of the group.

To be downloaded and installed before the seminar:

R (<https://cran.r-project.org>)

R-studio (<https://www.rstudio.com/products/rstudio/download/>)

Rhea (<https://github.com/Lagkouvardos/Rhea/archive/refs/heads/master.zip>)

DivCom

(<https://github.com/Lagkouvardos/DivCom/archive/refs/heads/main.zip>).