MIM course

General principles of scientific writing

When? / Were?

21. September 2021: 9:00 – 17:00; HPZ E35

22. September 2021: 9:00 – 10:30; home work

22. September 2021: 10:30 – 12:30; HPZ E35

Format/Scope:

Interactive course in workshop format focusing on writing of original articles for scientific journals. Students will work in groups or individually on exercises covering different aspects of scientific publishing including the structure of manuscripts, use of scientific language and clear presentation of research results.

Learning goals:

Upon completion of the course, students will be able to:

- explain the general principles of publishing scientific work

- critically assess the content and quality of tables and display items

- independently write a research article according to scientific practice

Final assignment:

Short research report to be submitted by 3. October 2021

ECTS credits: 1

Language of instruction: English

Lecturer: Prof. Dr. Shinichi Sunagawa

<http://www.micro.biol.ethz.ch/research/sunagawa.html>

Required materials:

Participants need to bring writing material and their own laptop computer

Participants:

Juan Zilic

Carmen Siow

Tiziana Lorenzini

Daniel Kirchmeier

Pascal Flüchter

Aline Bauer

Anna Bircher

Mila Sempere Borau

Meret Tuor

Ignacio Perez

# Workshop schedule

Tuesday, 21. September 2021

9:00 – 10:30 **Session 1: Introduction, scope and goals**

Alignment of writing and audience

10:30 – 11:00 B*reak*

11:00 – 12:30 **Session 2: Evidence, claim and relevance**

What is the story of a paper?

Efficient and effective abstract writing

12:30 – 13:30 *Lunch break*

13:30 – 15:00 **Session 3: Practice of and advise for scientific writing**

Power of position

Cohesion and coherence

Front loading vs hour-glass

15:00 – 15:30 *Coffee break*

15:30 – 16:30 **Session 4: Analytical reading**

Figures and Tables

Group work: What works best?

16:30 – 17:00 **Recap and homework**

Wednesday, 22. September 2021

10:30 – 12:00 **Session 5: Adding meat on the bones**

Peer-review

Apply the tools to your own work!