MIM course

General principles of scientific writing

When? / Were?

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

15. September 2021: 9:00 – 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 display items and tables

- use methods to improve the clarity, coherence, cohesiveness, efficiency and effectiveness of scientific writing

Final assignment:

Short research report to be submitted by 25. September 2022

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:

**Noemi Santamaria de Souza**

**Johannes Eckert**

**Lenka Sukenikova**

**Camilla Panetti**

**Lukas Sonderegger**

**Lukas Malfertheiner**

**Kajetana Bevc**

**Elena Barletta**

**Juan Manuel Villar Vesga**

**Manal Belimam**

# Workshop schedule

Wednesday, 14. September 2022

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: The story: relevance, evidence, claim, discussion**

What is the story of a paper?

Efficient and effective abstract writing

12:30 – 13:30 *Lunch break*

13:30 – 15:00 **Session 3: The content: efficient and effective 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**

Thursday, 15. September 2022

9:00 – 12:30 **Session 5: Adding meat on the bones**

Analytical reading for better writing

Apply the tools to your own work!