

# Action Plan – Genetics and Genomics (AOKGEN738\_1A)

## Academic Year 2024–2025, Spring Semester

Institute of Genetics, Cell- and Immunobiology – Semmelweis University

We would like to sincerely thank all students for their active participation in the OMHV survey and for providing valuable feedback on the Genetics and Genomics course. This semester's high response rate ensures that the results are representative and allow us to address both the strengths and the areas where improvements can be made.

Our goal is to maintain the aspects of teaching that were positively received, while constructively addressing recurring concerns. We also respond individually to specific student comments where possible, aiming to create a supportive and effective learning environment for all.

## Summary of Positive Feedback – Aspects to Maintain

Based on the survey results, students highlighted several strengths of the course:

- **Engaging and supportive instructors:** Many students praised specific lecturers and practical leaders for their clarity, kindness, and willingness to answer questions in detail.
- **Interactive elements:** Activities such as Kahoot quizzes and case studies were appreciated for making learning more engaging and memorable.
- **Well-structured Moodle platform:** The current organization of online materials was considered clear and accessible.
- **High-quality content:** Lectures and practicals were often described as interesting, thought-provoking, and effective in explaining complex topics.

**Action:** We will maintain these strengths, ensure that positive teaching practices are shared among instructors, and continue integrating interactive methods into both lectures and practicals.

## Identified Areas for Improvement – Planned Measures

### Practical Sessions – Increasing Interactivity

Some students felt that practicals were too similar to lectures or lacked active student participation.

**Planned action:** We will further differentiate the content of lectures and practicals by adding more problem-based tasks, database exercises (e.g., OMIM), small-group case studies, and teamwork activities.

### Lecture Structure and Clarity

While lectures were generally appreciated, some feedback noted that certain sessions were dense or monotonous.

**Planned action:** We will review and streamline lecture slides, emphasizing key points with consistent visual highlights. We will also work to improve the clarity and pacing of delivery and minimize overlaps with other subjects.

### Competition and Assessment Transparency

A few students expressed concern that competition questions did not fully match the taught material.

**Planned action:** We will harmonize competition topics with lecture and practical content and clearly communicate that competitions are designed to test problem-solving skills beyond rote learning. All competition questions will be internally reviewed before release.

#### **Instructor Preparation and Conduct**

Some feedback mentioned issues with the teaching approach or communication style of specific instructors.

**Planned action:** We will conduct peer observations and offer mentoring for instructors to ensure both pedagogical quality and a respectful classroom environment. Reports of inappropriate communication will be addressed directly and constructively.

#### **Coordination Between Lectures and Practicals**

Several comments noted that the sequence of lectures and practicals could be better aligned.

**Planned action:** We will review the semester schedule to improve thematic synchronization, ensuring that practical classes reinforce the material from the lectures.

#### **Examination Opportunities**

Some students found the number of available exam dates limited.

**Planned action:** Where possible, we will add extra exam opportunities, in line with faculty guidelines and resource availability.

### **Responses to Individual Feedback**

We appreciate the time and honesty of all students who shared detailed personal experiences. Below are our responses to selected points:

- **Positive recognition of specific lecturers and practical leaders:** We will convey these compliments to the named instructors and encourage them to share their teaching strategies in internal workshops.
- **Requests for more interactive teaching methods:** We will expand the use of quizzes, group problem-solving, and visual aids, ensuring that active learning becomes a regular part of classes.
- **Comments on audibility and classroom conditions:** We will review classroom technical setups to improve sound quality and ensure all students can follow the material comfortably.
- **Suggestions for clearer practical slides:** We will revise and reorganize materials where needed, aiming for clarity and logical progression.

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