

Tuesday late afternoon session Track A, Tuesday, Sep 23 2025, 16:00-17:45

Location: Main Hall

Session: **Training and Education**

Chair: Aleš Novak

OR-25

A Competence Grid for the Teaching of Good Scientific Practice

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It is widely acknowledged that training in Good Scientific Practice (GSP) should be provided to researchers from the beginning of their academic careers and continuously throughout. However, formats used to teach GSP differ widely in terms of their structure, content, duration, and the qualifications of the trainers. This diversity raises several questions: What levels of GSP competence are appropriate at different career stages? How can GSP courses be structured with curricular alignment in mind? How can different training formats be compared? And how can the qualifications of GSP trainers be assessed?

To address these questions, our working group developed a comprehensive competence grid. Drawing on our experience as GSP instructors, as well as the German Research Foundation's Code of Conduct [1] and other frameworks commonly used in German-speaking countries, we identified 18 subject areas and defined five levels of proficiency—each with detailed learning objectives. It has now been finalized and is ready for discussion and practical implementation. The competence grid can serve as a reference point for structuring GSP training, aligning it with different levels of expected proficiency, and assessing both training formats and trainer qualifications. This presentation will outline the grid's structure and highlight selected examples that demonstrate its scope and application.

[1] Deutsche Forschungsgemeinschaft. (2025). Guidelines for Safeguarding Good Research Practice. Code of Conduct. <https://doi.org/10.5281/zenodo.14281892>.