



# Train-the-Trainer

**Good Scientific Practice  
must be facilitated**

## Information

### Basic Information

#### Goal

Upon completion of the training program “Train-the-Trainer” participants should be well-equipped to offer their own seminars and workshops on the topic of Good Scientific Practice (GSP); to promote institutional adherence to the Standards of GSP; and to serve as knowledge multipliers. Another declared aim of the training program is to establish a network among the course participants. In the course of their training, participants receive plenty of materials for their own subsequent instructional use (case studies, literature sources, etc.).

#### Target Group

- University teachers who want their students to learn about “Good Scientific Practice”
- Scientists who want to pass on their knowledge of Good Scientific Practice
- PhD Program leaders and those supervising early stage researchers
- Ombudspersons at universities and research institutions
- Individuals working in university contexts interested in the subject matter of research integrity

#### Formats

Theoretical input, case studies, role plays, use of movies in training, individual and group activities, discussion rounds, activation exercises

#### Group Size

8 to 20 persons

#### Duration

First day, 10am – 5pm  
Second day, 9am – 4pm

#### Fee

Free of charge for member institutions  
Fees for non-members upon request

# Topics

## Possible Topics

### Agency for Research Integrity

- Structure, Tasks and Aims, International Context

### Good Scientific Practice

- Historical background (international and Austrian), definition
- Current developments and discussions in the field of research integrity
- Applicable regulations and guidelines at local, national and international levels (OeAWI Guidelines), European Code of Conduct, Singapore Statement)
- Research Misconduct: Forms and manifestations of research misconduct, “sloppy science”, questionable and unacceptable research practices

### Data Management

- Original and primary data, ideas and sources
- Documentation of research process, data protection and storage duties
- Ownership of data (lab books, published data, figures and texts)
- Adequate data backup (Protection against obstruction and theft)
- Data sharing

### Citation and Plagiarism

- Correct citation
- Types of plagiarism, detection and avoidance

### Publication and Authorship

- Overview of guidelines and rules of important publishers
- **Challenges:** Plagiarism, duplicate publication, “Salami” publication, peer-review process and responsibilities of the reviewers, guidelines and conflicts within the review process
- **Authorship:** Tasks and responsibilities of authors, criteria for authorship
- **Challenges:** Refusal of authorship, inadequate authorship ranking, honorary authorship, joint responsibility for falsified publications

## Responsibility of supervisors, early stage researchers and institutions

- The role of the institution – “Creating a Culture of (Research) Integrity and the implementation at the own institution
- Area of responsibility, potential conflicts of interest of supervisors
- Relationship of dependence between early stage researchers and supervisors
- Possible problems in the supervisory process
- Good supervision as prevention of research misconduct

## Didactic Methods

- Theoretical inputs on didactic approaches
- Opportunities of applying different formats
- Reflective testing of presented methods
- Special features of facilitating GSP

## On request: Dealing with research misconduct

- Commissions, ombudsperson and responsible persons/committees for research integrity (Principles, working method and workflows)