



**State-approved, MPG In-service Online Training course  
-Refresher Course- in Accordance with § 28 (3) GenTSV  
MPI of Biochemistry Martinsried**

**Friday, 23 June 2023**

**8:15-8:30**      **Julian Schuster**  
(MPI of Biochemistry Martinsried)  
– Welcome address, organization

**Legal Regulations on Safety Measures for Genetic Engineering Facilities (Laboratories, Production, Animal Rooms, Greenhouses) and Releases, as well as Occupational Health and Safety**

**8:30-9:20**      **Dr. Isabel Müller**  
(District Government of Upper Bavaria)  
– Innovations and frequently recurring questions in the field of relevant legislation and regulations as well as their implementation in practice  
– Procedure for application (notification, registration, approval) as well as for notifications under § 21 GenTG

9:20-9:30      Discussion

9:30-9:40      *Break*

**9:40-10:45**      **Dr. Ingrid Korsä**  
(District Government of Upper Bavaria)  
– Responsibilities of operators, project leaders and biosafety officers  
– New aspects and possible problems in the classification of organisms and genetic engineering work and their consideration in practice  
– Further legislation and regulations, cross-connections to genetic engineering law  
– Transport of biological agents

10:45-10:55      Discussion

10:55-11:05      *Break*

**11:05-11:55**      **Dr. Markus Helfer**  
(District Government of Upper Bavaria)  
– Organizational measures (e.g. regulations re access and labelling of the work areas, operating instructions, guidance, instructions, hygiene plan, emergency plan; keeping records, storage, destruction of genetic engineering materials, techniques for the detection and identification of organisms)  
– Sterilisation, disinfection, deactivation

11:55-12:05      Discussion

12:05-13:05      *Lunch break*



## Potential Risks from Organisms with Particular Regard to Microorganisms

- 13:05-14:45**    **Dr. Birgit Schönig**  
with break    (Federal Office of Consumer Protection and Food Safety, Berlin)
- Safety aspects relating to the handling of organisms in genetic engineering
  - Risk assessment of organisms, safety categorization of genetic engineering work and current safety assessments of the ZKBS
  - Environmental considerations in case of accidental or targeted release with special regard to Annex I of the GenTSV
  - Requirements for the release of GMOs
  - Gene Therapy – clinical studies
- 14:45-15:15    Discussion
- 15:15-15:25    *Break*

## Safety Measures for Genetic Engineering Facilities

- 15:25-17:30**    **Dr. Katrin Singethan**  
with break    (Bundeswehr Institute of Microbiology, Munich)
- Construction and equipment in accordance with Annexes 2 - 4 GenTSV for the individual safety levels 1 - 4, maintenance and testing of safety-related devices and equipment, focus on specific security measures in animal facilities or greenhouses, where appropriate
  - Safe mode of operation, conscious acting (fundamentals of good microbiological technique) in particular, new aspects and possible problems regarding the use of certain safety-related devices and equipment and the discussion of possible solutions
- 17:30-18:00    Discussion
- 18:00**            **Dr. Ralf Tatzel**  
                      (MPI of Biochemistry Martinsried)
- Closing remarks