



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

Monday, 01 July 2024

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 Korsa**
(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 Schöning**
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** **Julian Schuster**
 (MPI of Biochemistry Martinsried)
- Closing remarks