

Safety Briefing

17.06.2020

LS Neurobiologie und Genetik

Safety Briefing

Overview

- The genetic engineering facility S1
- General instructions for action
- Work in S1 laboratories
- Decontamination
- Decontamination GMO
- Personal protective equipment PPE
- PSA safety goggle
- Skin protection
- Electrical equipment
- first aid
- Fire protection

The genetic engineering facility S1

identification:	S1
regulations :	Operating Instructions
access rules:	none (responsible are the laboratory guidelines)
windows and doors :	keep closed
Protective clothing:	Work clothing + PPE
Disposal of the GMOs:	Inactivate e.g. autoclave or denature by detergents
End of work:	wash your hands (personal hygiene prevents the spread of contamination)

General handling instructions Working in S1 laboratories

- Access only with permission of
the laboratory manager
- or after safety instruction
- S1: are marked laboratories and functional rooms
- The instructions of the project managers must be followed
→ Prof. Förster / Prof. Wegener / Prof. Raabe
- Use of technical equipment only after instruction
→ Information on competence in the “Laborleitfaden”
- Wear of personal protective equipment obligatory
(Synonyms: mandatory, binding, obligatory, committed,
required)

Gen-Laboratorium

S1

Zutritt nur für Berechtigte

Beauftragter für biologische Sicherheit

Dr. Dirk Rieger
Tel. 88581

General handling instructions Working in S1 laboratories

- Prohibited: Eating, drinking, smoking, snuffing, making up, preserving and storing food
- Prohibited: Working alone in the laboratory
 - (Exceptions are regulated by the risk assessment)
- Prohibited: Mouth pipetting
 - Use pipetting aids

General handling instructions Working in S1 laboratories

- Ordered workstation only with the necessary materials **Planning**
- Transport of hazardous materials in unbreakable containers
- Always clean and, if necessary, decontaminate the workplace and the equipment used after finishing work
- Pay attention to the correct disposal of hazardous materials **Hazardous materials officer**
- AG Raabe / AG Forester / AG Wegener:
Dr. Stephanie Pütz



Working with hazardous substances and their disposal

Before working: Get information !

- 1) DaMaRIS: DangerousMaterials Registry Information System

<https://damaris.zv.uni-wuerzburg.de>

Users for all!!!: **drosophila**

Password for all!!!: **genetik1**

- 2) Ask your colleagues
- 3) Ask Stephanie Pütz

Behavior in case of danger:

- Leave the room immediately! Lock the doors!
- Contact first aider!
- Contact authorized persons!

Decontamination

- **Sterilization:** killing of living microorganisms or their spores, indication is the irreversible loss of the ability to divide, the dead cells remain in or on the sterile material **Autoclaving**
- **Sterilization:** Removal of living or dead cells from the medium **sterile filtration**
- **Disinfection:** Reduction of the germ count by partially killing or removing microorganisms with **disinfectants**

The genetic engineering facility

Decontamination of GMO

- absorb the substance with suitable aids
- Spray the affected area with disinfectant e.g. Pursept A or 70% EtOH
- Leave on for 10 min
- wipe
- again spray the area more widely and
 - Leave on for 10 min
- all materials used (paper, gloves, broken glass etc.) are microbiological waste
- i.e. first autoclave, then dispose of properly (household waste)

Personal protection equipment

PSA

long-sleeved lab coat

high percentage of cotton, closed

solid closed footwear

Safety goggles

laterally closed

gloves if necessary

according to the **hazardous material labeling !**

see DAMARIS

Safety equipment eye showers



Safety equipment eye showers



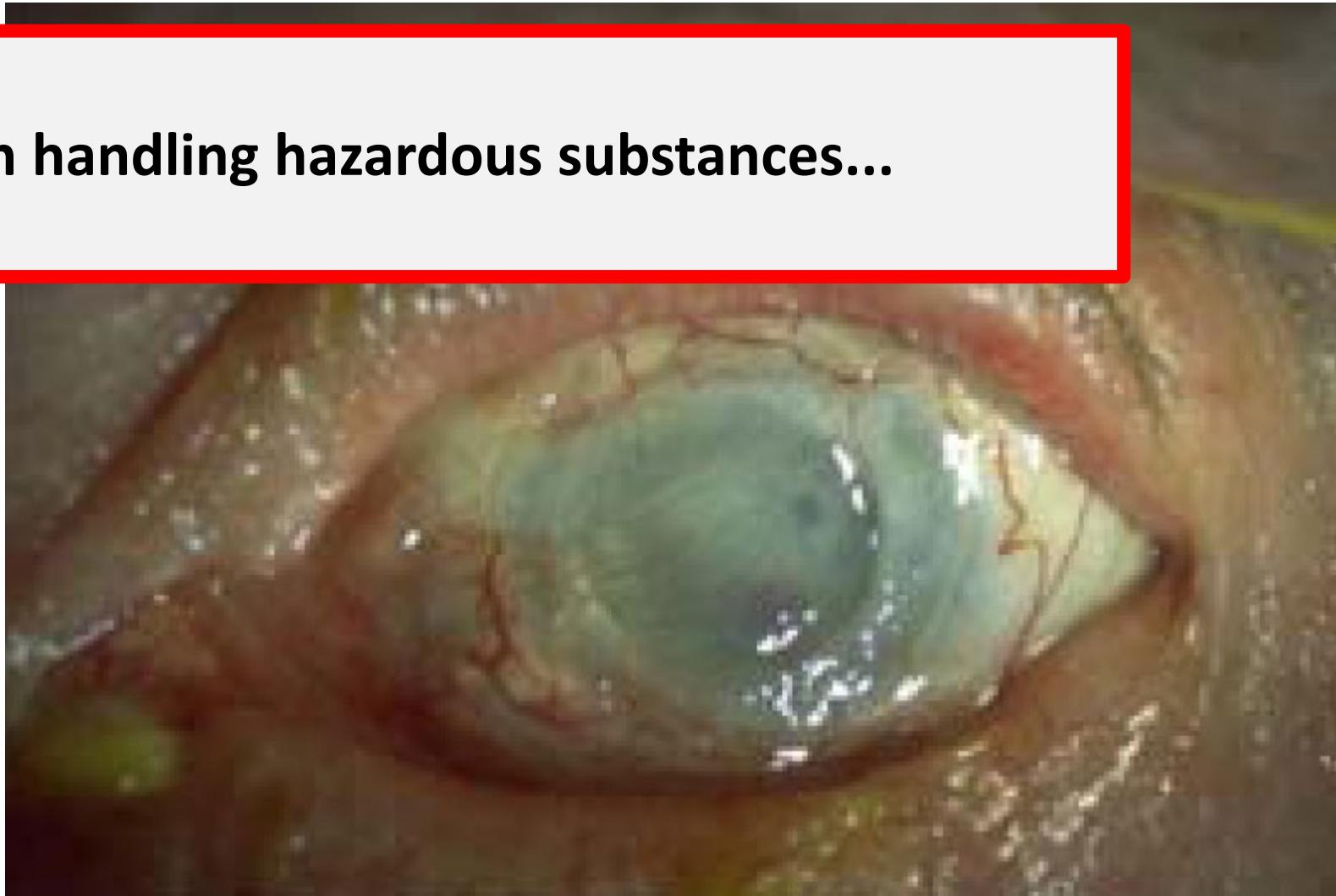
- Do not obstruct access to eye showers
- Use eye showers in everyday life to rinse out
- Rinse eye showers weekly



PSA

Safety goggles

when handling hazardous substances...



PSA

Safety goggles

... wear protective goggles!

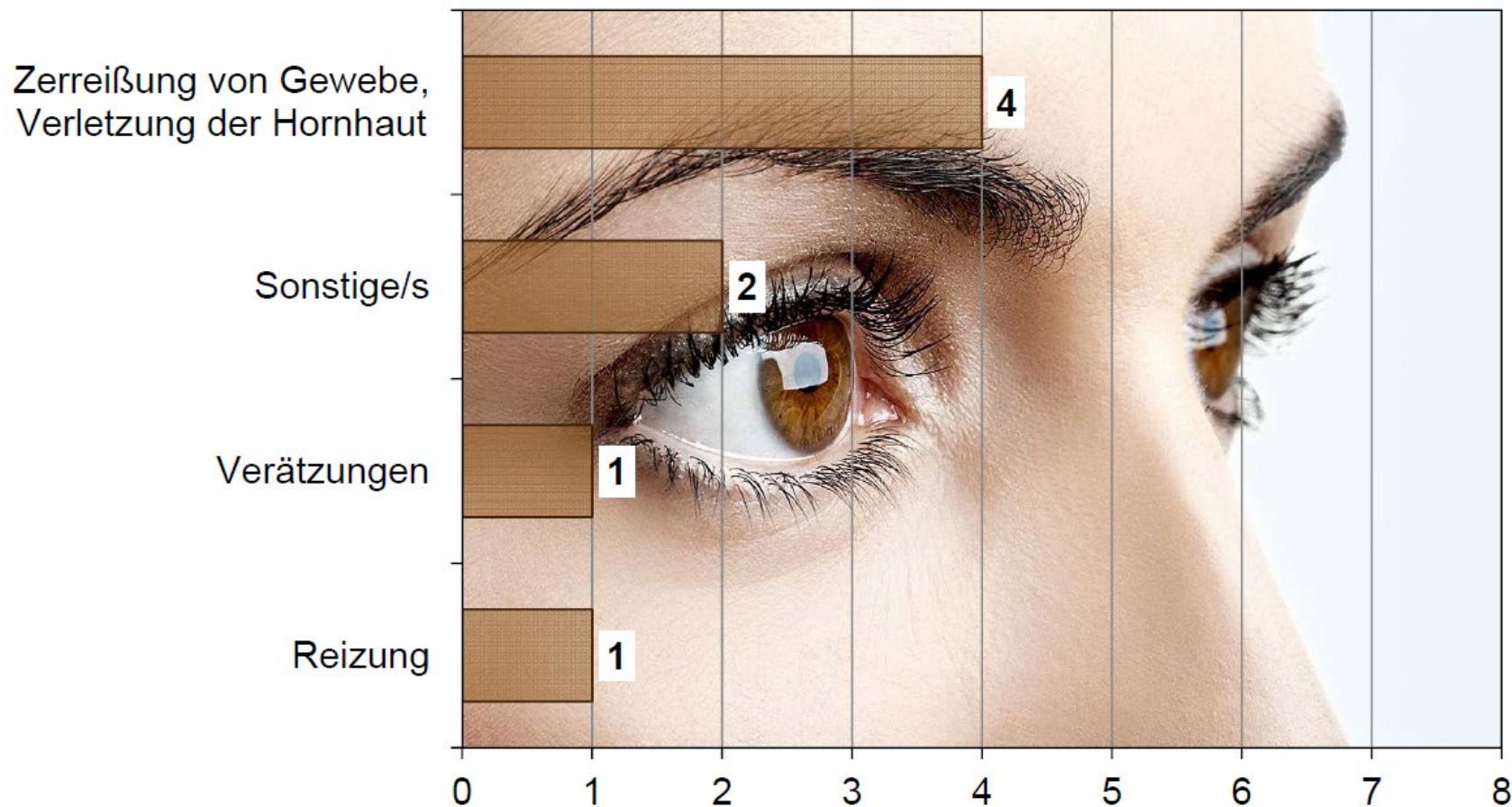


Safety goggles

5 arbeitsbedingte Augenverletzungen 2017

- Verletzungsarten -

(Mehrfachnennungen sind möglich)



skin protection

Follow skin protection plan!



Skin protection Gloves

- Latex gloves are not suitable for working with chemicals!
- After wearing gloves
Do not forget skin care!!
- All gloves are disposable gloves,
rather once too much changed than once too little!
- The user has read the safety data sheets
to inform about which gloves are the right ones! Safety data sheets in **DAMARIS**



Electrical devices

Defective electrical devices
must be reported
to the house technician for repair!



www.schuhundheute.de



Alert first responders in case of emergency!

At the chair there are 5 volunteers working as first aiders:

Irina Wenzel

Room: DO 08

Tel: 84485



Gertrud Gramlich

Room: DK 36

Tel: 84484



Susanne Klühspies

Room: DK 39

Tel: 85490



Prof. Dr. Thomas Raabe

Room: DO 06

Tel: 88548



Dr. Stephanie Pütz

Room: DO 07A

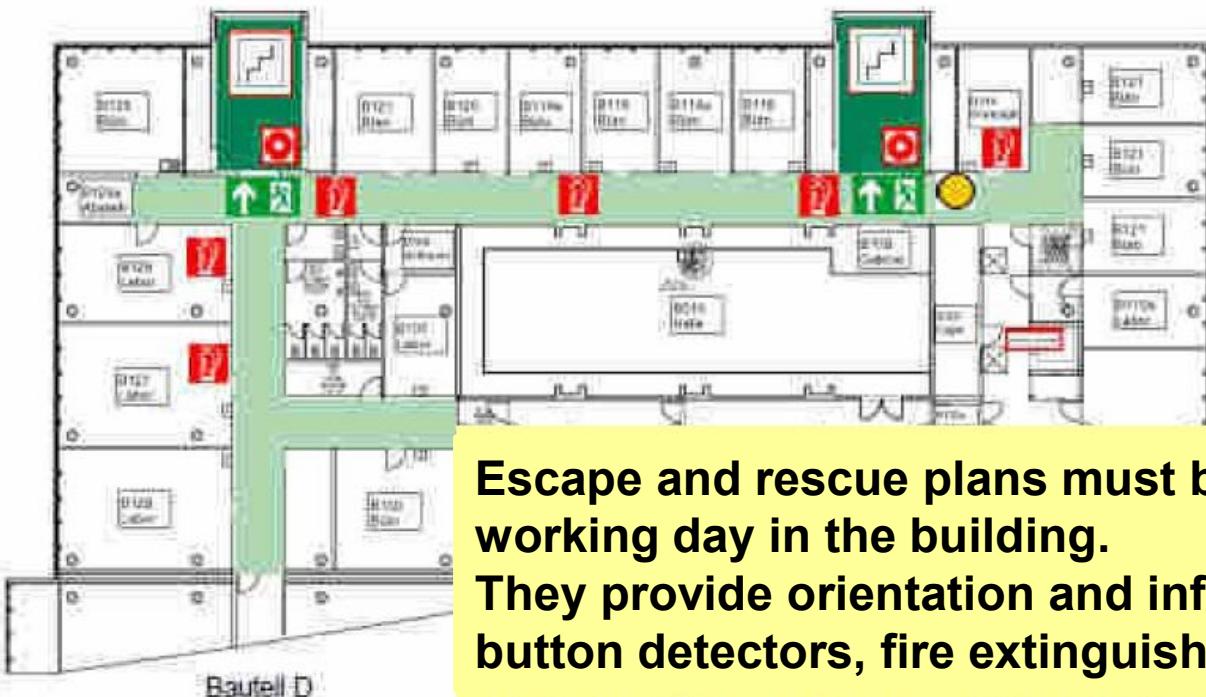
Tel: 88662

Fire protection



Fire protection

Escape and rescue plans



**Escape and rescue plans must be read on the first working day in the building.
They provide orientation and information on push-button detectors, fire extinguishers and escape routes.**



Standort



Rettungsweg



Feuerlöscher



Brandmelder
manuell



Treppe
geschützt

Fire protection

Brandschutzordnung (Teil A) nach DIN 14096



Einrichtung:

Verhalten im Brandfall
Bei Brandgeruch, Brandrauch, Flammen oder Brand Verdacht

Ruhe bewahren
Sofort Brand melden

Feuerwehr  112

Geben Sie bei Brandmeldung an:
Wer meldet?
Was brennt?
Wo brennt es?
Wie viele Verletzte?
Warten auf Rückfragen!

Bitte verständigen Sie auch die Störmeldestelle
- Technischer Betrieb -
Tel.: 0931 / 888 - 5203

In Sicherheit bringen



Gefährdete Personen warnen
Hilflose Personen mitnehmen
Türen und Fenster schließen
Gekennzeichneten Fluchtwegen folgen
Aufzug nicht benutzen
Rettungsdienste einweisen/ Sammelplatz aufsuchen
Auf Anweisungen achten

Löschanversuch unternehmen soweit ohne Eigengefährdung möglich

Nächster Feuerlöscher: 

Nächster Löschschlauch: 



Brandschutzordnung (Teil B) nach DIN 14096

Aufgaben für Personen ohne besondere Brandschutzaufgaben

- Allgemeine Maßnahmen
- Gefahrstoffe
- Feuerarbeiten
- Flucht- und Rettungswege
- Melde- und Löscheinrichtungen
- Verhalten im Brandfall
- Betriebsaufnahme nach einem Feueralarm bzw. Brand
- Anhang 1: Richtiges Löschen
- Anhang 2: Geeignete Löschmittel
- Anhang 3: CO₂-Löschanlagen

Teil B der Brandschutzordnung informiert alle Beschäftigten gebäudespezifisch über das Verhalten im Brandfall, z.B. auch über den Sammelplatz.

Brandschutzordnung (Teil C) nach DIN 14096

Aufgaben der Personen mit besonderen Brandschutzaufgaben

- Führungskräfte
- Brandschutzbeauftragter
- Sicherheitsbeauftragte
- Lehrende

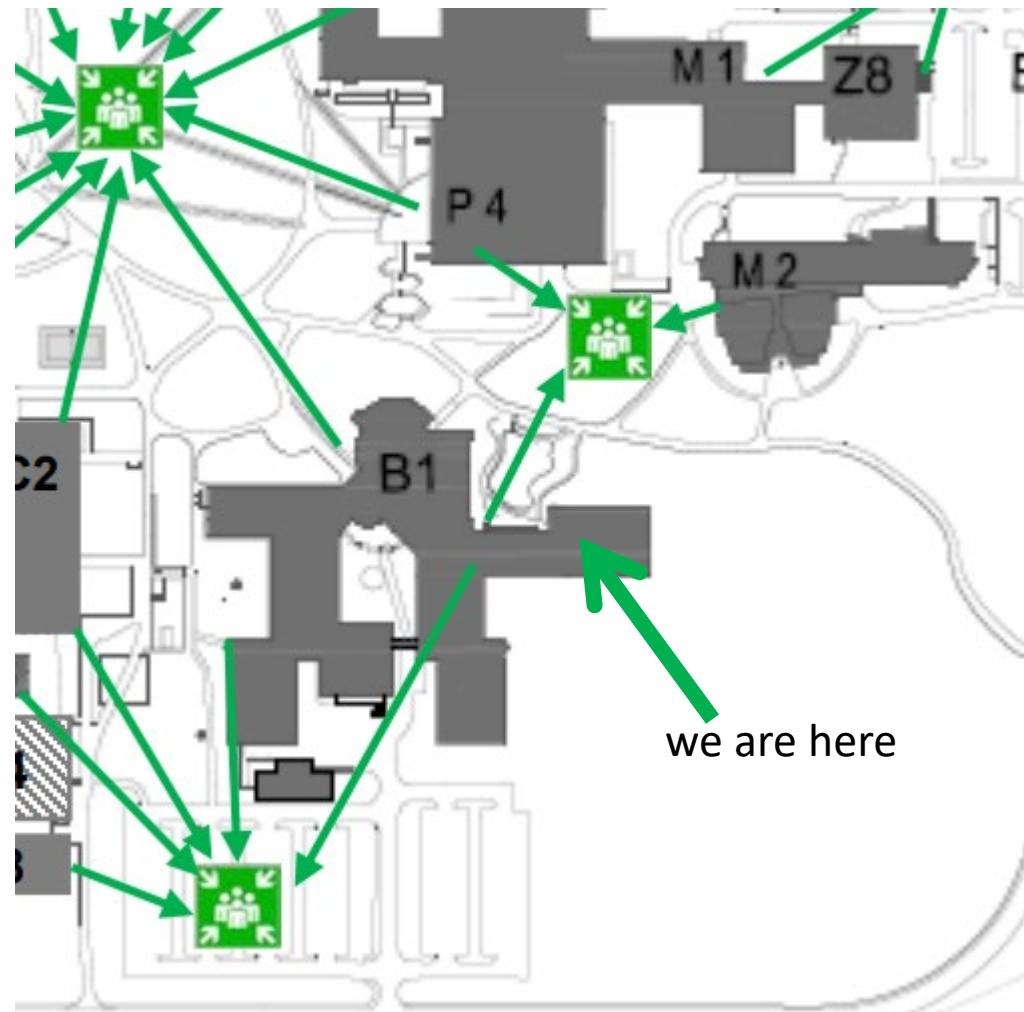
In Teil C der Brandschutzordnung wird beispielsweise beschrieben, dass Dozenten als letzte den Hörsaal oder Seminarraum verlassen, abschließen und dann der Feuerwehr melden, dass der Raum geräumt ist.

Fire protection Prevention and containment of fires

- Storage of flammable liquids only in suitable rooms and cabinets
- Limit quantities of flammable liquids to the required minimum
- Persons must be familiarized with the handling of fire extinguishing and fire alarm systems
- Do not obstruct fire extinguishing and fire alarm systems

Fire protection meeting point / Sammelpunkt

Important
in **case of fire**:
all members
of the chair
have to gather
at the **meeting point /**
Sammelpunkt
of the Biozentrum !



Meeting place / Treffpunkt

The meeting points
of the rescue guidance system
"Am Hubland Süd"
are clearly and easily located and
serve for better orientation,
especially during rescue operations.

They are marked with **number** and
location, so that in case of an accident
a clear **meeting point** can be arranged
with the emergency physician/paramedic.

Our next **meeting point** at ground
level is **meeting point 7**



Thanks for your attention

