

AUSTRIAN



CENTER

proudly presents

# 3Rdays 2023 InN Motion



Innsbruck  
Dec. 5<sup>th</sup> to Dec. 7<sup>th</sup> 2023

# PROGRAM





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## A WARM WELCOME TO THE AUSTRIAN 3RDAYS 2023

Dear 3R-Community,

on behalf of the Austrian 3R Center (A3RC), the RepRefRed Society, the MUI animalFree Research Cluster, the Cell Culture Days Graz and the ACTC (Advanced Cell and Tissue Culture) we would like to cordially invite you to the first face-to-face meeting of the Austrian 3R Center, the Austrian 3Rdays from December 5th to 7th, 2023 in Innsbruck.

This event is intended to cover all aspects of the 3Rs: Refinement [Verfeinerung] – Reduction [Verminderung] – Replacement [Ersatz], which are currently in motion. Therefore, our motto this year is A3RC InN Motion.

Outstanding national and international keynote speakers as well as short presentations by young scientists, selected from the abstracts, will present the topics covered in the scientific sessions. In addition, young scientists will have the opportunity to present and discuss their results in poster sessions.

Topics of this year's sessions include exciting news from the field of the 3Rs, how to accelerate the implementation of the 3Rs and what opportunities and challenges this brings.

The meeting will start with the “applied 3Rs” on the first day, followed by two scientific days on “Refine/Reduce” and “Replace”. In addition, a workshop session with different stations will offer the opportunity for a limited number of registered participants to practically apply innovative novel cell culture techniques.

The meeting takes place in the exclusive halls of the Congress Messe Innsbruck (CMI) in the center of Innsbruck. We thank all sponsors and exhibitors for your valuable contribution and support!

It will be a pleasure to have you participate in this attractive, young meeting in an exciting location!

Look forward to this year's Austrian 3Rdays – A3RC InN Motion!

Best Regards,

Dr. Birgit Reininger-Gutmann

Prof. Dr. Doris Wilflingseder

Assoc.-Prof. Dr. Beate Rinner



Ladies and gentlemen,

the Federal Ministry of Education, Science and Research (BMBWF) attaches great importance to extensive implementation of the 3Rs principle. In addition to funding the research and development of alternative methods not entailing the use of live animals, which is handled by the Austrian Science Fund FWF, the BMBWF supports the Austrian 3R Center and the 3Rdays. The aim is to exchange information on the 3R methods and bring them into application.

Austrian institutions are already taking important measures to reduce the number of animals used in procedures and to improve the conditions under which animals are bred, housed, cared for and used in scientific procedures. The Austrian 3R Center and the 3Rdays are an important measure and a good opportunity to further advance this development.


With this in mind, I wish you interesting 3Rdays, a good exchange and many suggestions for 3R best practices that you can take back to your institutions.

With best regards,

Mag. Barbara Weitgruber, MA (Chicago)

Director General for Scientific Research and International Relations

Chairwoman of the National Committee for the Protection of Animals used for Scientific Purposes

 **Bundesministerium**  
Bildung, Wissenschaft  
und Forschung



## DATE

5<sup>th</sup> to 7<sup>th</sup> December 2023

## CONGRESS VENUE

Congress Innsbruck  
Rennweg 3 | 6020 Innsbruck | Austria  
<https://www.cmi.at/en/congress-innsbruck.html>

## CONGRESS PRESIDUM

Dr. Birgit Reininger-Gutmann  
Biomedical Research (BMF), Head,  
OE for research infrastructure  
Medical University of Graz  
E-Mail: [birgit.reininger-gutmann@medunigraz.at](mailto:birgit.reininger-gutmann@medunigraz.at)

Prof. Dr. Doris Wilflingseder  
Medical University of Innsbruck,  
Institute of Hygiene and Medical Microbiology  
E-Mail: [doris.wilflingseder@i-med.ac.at](mailto:doris.wilflingseder@i-med.ac.at)

Assoz. Prof. PD. Dr. Beate Rinner  
Biomedical Research (BMF),  
CF Alternative Biomodels and Preclinical Imaging  
Medical University of Graz  
E-Mail: [beate.rinner@medunigraz.at](mailto:beate.rinner@medunigraz.at)

## WEBSITE

[www.austrian-3rdays.com/en](http://www.austrian-3rdays.com/en)

## CONGRESS ORGANIZATION | SPONSORING

Event Service RS GmbH  
Bahnhofstraße 49  
6112 Wattens - Österreich  
Phone: +43 50 55 7 55 - 00  
Fax: +43 50 55 7 55 - 99  
E-Mail: [mail@austrian-3rdays.com](mailto:mail@austrian-3rdays.com)

## INTERNATIONAL & LOCAL COMMITTEE

Doris Wilflingseder  
Birgit Reininger-Gutmann  
Beate Rinner  
Roberto Plasenzotti  
Bhumika Singh  
Viktoria Zaderer

## ABSTRACT REVIEWING COMMITTEE

Doris Wilflingseder  
Birgit Reininger-Gutmann  
Beate Rinner  
Roberto Plasenzotti  
Wilfried Posch  
Judith Hagenbuchner

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## SPONSORS



## FUNDING AUTHORITY

Bundesministerium  
Bildung, Wissenschaft  
und Forschung

**REGISTRATION | OPENING HOURS**

The registration counter is located in the foyer, right next to the main entrance.

Tuesday, 5 <sup>th</sup> Dec.	8.30 a.m. – 5.30 p.m.
Wednesday, 6 <sup>th</sup> Dec.	8.00 a.m. – 7.00 p.m.
Thursday, 7 <sup>th</sup> Dec.	8.00 a.m. – 5.30 p.m.

**CONGRESS LANGUAGE**

German and English

No simultaneous translation

**INTERNET | WIRELESS LAN**

**Network:** 3rdays23

**Pass:** 3rdays23

**MEDIA ACCEPTANCE | OPENING HOURS**

You can submit your presentation online using a USB stick. Please submit your presentation as an open PowerPoint file (16:9, ppt or pptx) to the media desk on site at least 4 hours before the start of the respective session.

The file name should correspond to the title in the public program.

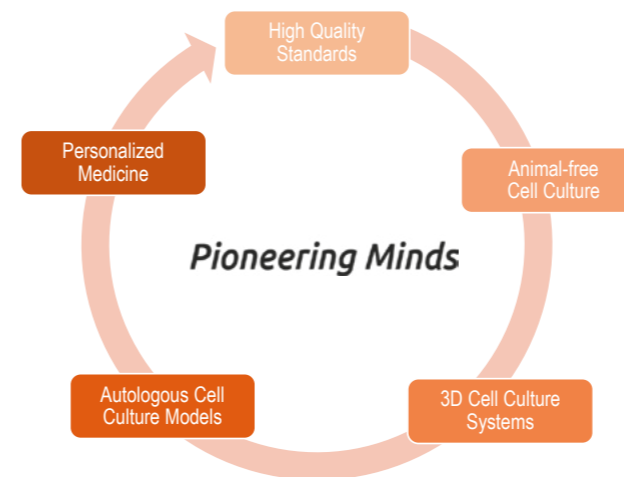
We are happy to receive your presentation in advance: please send your presentation via download link to the following e-mail address: [mail@austrian-3rdays.com](mailto:mail@austrian-3rdays.com)

Tuesday, 5 <sup>th</sup> Dec.	8.30 a.m. – 5.00 p.m.
Wednesday, 6 <sup>th</sup> Dec.	8.00 a.m. – 5.00 p.m.
Thursday, 7 <sup>th</sup> Dec.	8.00 a.m. – 11.00 a.m.



# The CellBank Graz

The **CellBank** offers a broad palette of services and competent technical support for cell and tissue cultures. The ISO certification of the core facility guarantees comprehensive quality control of cell lines and a controlled standardized storage system at the Medical University of Graz.



Up to 220 cell lines available for MUG researchers and 30 primary cell lines  
Cell line storage, DNA/RNA, Culture and return/custom culture

**Cell Culture Quality Controls**  
- Mycoplasma Testing  
- Short Tandem Repeat (STR) Profiling

**Human platelet lysate (hPL)** from the University Hospital for Blood Group Serology and Transfusion Medicine, replacement of animal products in cell culture

**Patient-derived cell lines** including associated non-cancerous cells from the same patient (e.g. fibroblasts) with detailed characterization for translational research



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**3D CELL CULTURE TECHNOLOGY**  
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## NAME BADGES

The name badge must be worn by all participants at all times during the congress. Access to the lecture rooms and the industry exhibition cannot be granted without a name badge.

## NOTE FOR SPEAKERS

Direct data projection from MS PowerPoint files (projector) is possible in all lecture rooms. The presentation must be handed in at the media desk (ground floor) at least four hours before the start of the respective lecture and uploaded to the central network.

Please note that data projection is only possible with PowerPoint presentations. Embedded videos are not automatically checked for their function. Please hand over your presentation on one of the following media: USB stick, hard disc. The lectern is equipped with a small previous screen. The presentations are fed directly through the technology. You cannot connect your own notebooks in any of the three main rooms.

Exception: Presenters using their own apple device Speakers who intend to use their own apple device have to make sure that they bring their own adapter to plug in to a standard HDMI-connector.

Media reception opening hours:

Tuesday, 5 <sup>th</sup> Dec.	8.30 a.m. – 5.00 p.m.
Wednesday, 6 <sup>th</sup> Dec.	8.00 a.m. – 5.00 p.m.
Thursday, 7 <sup>th</sup> Dec.	8.00 a.m. – 11.00 a.m.

Acceptance of presentations 4 hours before the respective session!

## SCIENTIFIC TOPICS

### REPREFRED SOCIETY:

According to the basic science of the RepRefRed society this specific congress deals with the following 3 main topics in the field of research relating to animal testing.

## REPLACEMENT

Replacement stands for the use of alternative methods to animal testing, such as cell cultures, organs-on-a-chip or so-called in-silico models, i.e. the computer-aided modelling of biological processes.

## REDUCTION

Reduction means minimizing the number of animals while retaining the same amount of information, for example through careful statistical calculations and the use of imaging techniques such as magnetic resonance or positron emission tomography.

## REFINEMENT

Refinement refers to methods that reduce or avoid pain, suffering and distress for laboratory animals, e.g. through improved analgesia or more modern housing systems.

## HIGHLEVEL AGENDA

Day 1 | Tuesday, 5<sup>th</sup> December | Angewandte 3R

Day 2 | Wednesday, 6<sup>th</sup> December | Refine – Reduce

Day 3 | Thursday, 7<sup>th</sup> December | Replace

## STRUCTURE OF CONTENT

### SESSIONS

Invited speakers will impart the latest state-of-the-art knowledge on selected topics. The sessions are complemented by short oral talks chosen from abstracts by a reviewing board.

### WORKSHOPS

Workshops are thematically related to the RepRefRed topics. After a brief introduction, these topics can be discussed in a smaller setting within the respective interest groups.

## INDUSTRY SESSIONS

Industry-sponsored and self-organized symposia.

Following three different industry sponsored sessions are implemented within the scientific

1. Industry Workshop  
Full 40 minutes self-organized symposia – exclusive timeslot
2. Industry session  
Full 20 minutes self-organized symposia – exclusive timeslot
3. Industry Update  
8 minute quick talk within a scientific session

## POSTER SESSIONS

(with attendance of the poster presenters)

Two poster sessions will be held during the Austrian 3Rdays. The poster presenters are invited to take a stand with their poster according to the following schedule:

Poster Session 1  
Tuesday, 5<sup>th</sup> Dec. 5:20 p.m. – 7:00 p.m.  
Category 1-8 | 19 Posters | Welcome Mixer

Poster Session 2  
Wednesday, 6<sup>th</sup> Dec. 2:00 p.m. – 3:30 p.m.  
Category 9-11 | 25 Posters

## POSTER EXHIBITION & SESSION

Format: portrait format, size 84.1 cm x max. 118.9 cm, common: DIN A0

Independent hanging of the poster on Tuesday, 5<sup>th</sup> December | from 08:30 until 11:00 am. Posters cannot be put up by the congress organization. Pins for fixing can be received at the registration desk.

Posters are automatically assigned to a poster number. This is according to the category of the session. On the poster walls you will also find the abstract ID below the poster number for quicker orientation. Please identify the location of your poster on the poster plan, which will be displayed in the poster exhibition. Please make sure to attach the poster to the correct wall. The posters must be removed independently on Wednesday, 6<sup>th</sup> December by 17:20 at the latest. Remaining posters will be disposed.

## POSTER EXHIBITION HOURS

Tuesday, 5 <sup>th</sup> Dec.	11:20 a.m. – 3:50 p.m.
Wednesday, 6 <sup>th</sup> Dec.	9:00 a.m. – 1:30 p.m. 3.30 p.m. – 6.30 p.m.




## Bring your animal data to the table

Making informed decisions requires good data. PyRAT can help. Our software tracks the history of animals, including their pedigrees, genotypes, locations and movements, authorizations and procedures, costs and statistics, and a whole lot more. It provides all of this information in the way you want to see it, with customizable views and reports.

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	Brüssel	Strassburg	Freiburg, 3 <sup>rd</sup> Fl.	Aalborg, 3 <sup>rd</sup> Fl.	New Orleans, 3 <sup>rd</sup> Fl.	Foyer Brüssel
09.00						
10.00	Opening Austrian 3Rdays 2023					
11.00						Coffeebreak
12.00	ReFISHment – Refinement in Fish Research Refine animal interactions: short talks	Poster Exhibition	Microphysiological systems	Human Skin Models	Disease Modelling	
13.00						Lunch
14.00	3Rs & Regulatory		Lung-on-chip	Alternatives for Fetal Calf Serum		
15.00						Coffeebreak
16.00	Experiment Specific 3Rs					
17.00						
18.00		Poster & Welcome Mixer				Poster & Welcome Mixer
19.00						

**PLENARY** 09:30h - 11:00h

**Opening Austrian 3Rdays 2023** Saal Brüssel | GF

Chair: Birgit REININGER-GUTMANN, Österreich | Doris WILFLINGSIEDER, Österreich

09:30 - 10:00 **Begrüßungsworte**  
Doris WILFLINGSIEDER, Kongresspräsidentin A3Rdays  
Birgit REININGER-GUTMANN, Kongresspräsidentin A3Rdays  
Silvia BADER, Bundesministerium für Bildung, Wissenschaft und Forschung  
Christine BANDTLOW, Vizerektorin für Forschung und Internationales; MedUni Innsbruck

10:00 - 10:30 **Von einzelnen Testmethoden zu integrierten Teststrategien für komplexe, tierfreie, toxikologische Bewertungen**  
Marcel LEIST, Deutschland

10:30 - 11:00 **Reproduzierbarkeit von Tierversuchen**  
Bernhard VÖLKL, Schweiz

**COFFEEBREAK | 11:00h - 11:20h**

Foyer Brüssel

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**SESSION | 1** 11:20h - 12:00h

**ReFISHment – Refinement in Fish Research** Saal Brüssel | GF

Chair: Matthias NOWAK, Österreich | Roberto PLASENZOTTI, Österreich

11:20 - 12:00 **Refinement in Fischhaltung**  
Karin FINGER BAIER, Deutschland

**WORKSHOP** 11:20h - 12:50h

**Microphysiological Systems** Freiburg | 3<sup>rd</sup> Fl.

Chair: Bhumika SINGH

**WORKSHOP** 11:20h - 12:50h

**Human Skin Models** Aalborg | 3<sup>rd</sup> Fl.

Chair: Beate RINNER, Sandrine DUBRAC

**WORKSHOP** 11:20h - 12:50h

**Disease Modelling** New Orleans | 3<sup>rd</sup> Fl.

Chair: Doris WILFLINGSIEDER

## SESSION | 2

12:00h - 12:50h

## Refine Animal Interactions: short talks

Chair: Simone SARTORI, Österreich

Saal Brüssel | GF

12:00 - 12:15 **A re-useable open-source platform to upgrade rat cages**  
Sophie SCHOBER, Österreich

12:15 - 12:35 **Implementation of alternative handling methods: an experience report**  
Claudia GOLD, Österreich

12:35 - 12:50 **How to implement the 3rs in mouse assisted reproduction: examples from recent studies**  
Kerstin E. AUER, Österreich

## LUNCH | 13:00h - 14:00h

Foyer Brüssel | GF

Sponsored by



## SESSION | 3

14:00h - 15:20h

## 3R &amp; Regulatory

Chair: Silvia BADER, Österreich | Christiana WINDING-ZAVADIL, Österreich

Saal Brüssel | GF

14:00 - 14:30 **Published information on projects – the non-technical summaries**  
Silvia BADER, Österreich

14:30 - 14:40 **3R-smart: information and training platform for methods to replace and supplement animal experiments**  
Nicole LINKLATER, Deutschland

14:40 - 14:50 **Ovariectomy in surplus female mice to generate cage mates for experimental males – a refinement to improve biomedical science**  
Christoph TÖSCHER, Österreich

14:50 - 15:20 **Das Um und Auf zu Abbruchkriterien laut Kommission für Tierversuchsangelegenheiten**  
Ruth HALLER, Österreich

## WORKSHOP

14:00h - 15:30h

## Lung-on-chip

Chair: Léa TODESCHINI

Freiburg | 3<sup>rd</sup> Fl.

## WORKSHOP

14:00h - 15:30h

## Alternatives for Fetal Calf Serum

Chair: Gerhard GSTRANTHALER, Beate RINNER

Aalborg | 3<sup>rd</sup> Fl.

## COFFEEBREAK | 15:30h - 15:50h

Foyer Brüssel

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## SESSION | 4

15:50h - 17:20h

## Experiment Specific 3Rs

Chair: Birgit REININGER-GUTMANN, Österreich | Roberto PLASENZOTTI, Österreich

Saal Brüssel | GF

15:50 - 16:30 **Diskussion über die "ganzheitliche Betrachtung von Tierversuchen"**  
Nina PILAT, Österreich | Michael AUSSERLECHNER

16:30 - 16:40 **Enhancing animal welfare and biomarker discovery through novel home cage monitoring (hcm) via digital ventilated cages (dvc®)**  
Stefano GABURRO, Italy

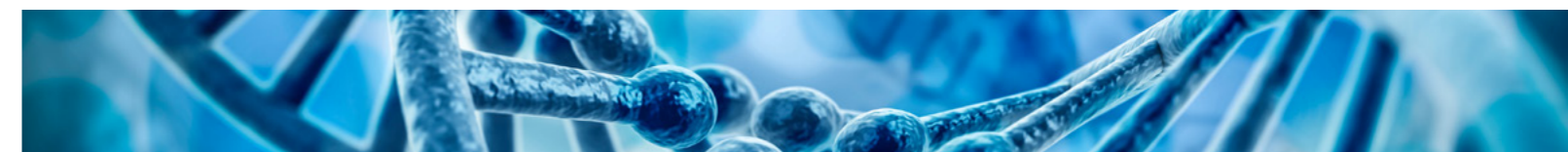
16:40 - 16:50 **Analyzing blood of long covid patients in motion**  
Martin HERMANN, Österreich

16:50 - 17:20 **The 3Rs in gastrointestinal basic research**  
Maik DAHLHOFF, Österreich

## POSTER &amp; WELCOME MIXER

17:20h - 19:00h

During the poster session, the poster exhibitors will be available to comment on their posters. The content of the posters can be discussed and reflected in a relaxed atmosphere.

Saal Strassburg | GF  
Foyer Brüssel | GF

## Oral Swab Genotyping

We have established a non-invasive method for genotyping mice using oral swabs. As an attendee of Austrian 3Rdays, you're entitled to a free trial\* of this new method, which includes:

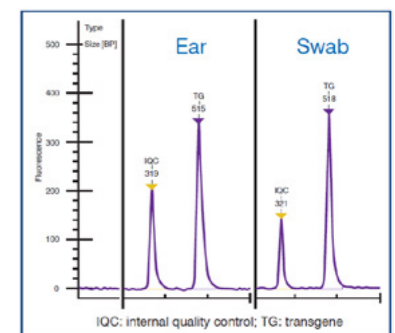
10  
Oral Swab Samples10  
Ear or Tail Biopsies

## Benefits of Oral Swab Genotyping

- A non-invasive alternative method to ear or tail biopsies that preserves animal welfare and supports the 3Rs
- Decreased risk of cross-contamination
- Automated workflow for analyzing samples within 24-72 hours
- Conventional PCR and real-time PCR analysis

## Ideal for:

- Retesting animals, homozygous lines, or old animals
  - Animals that are identified with ear tags or tattoos
  - Confirmation before or during experiments
- \*Only for one gene



Exemplary electropherogram traces from DNA obtained from an ear biopsy or an oral swab from the same mouse.



Download the Scientific Poster

For more information, meet one of our scientists at the Charles River booth.



	Brüssel	Strassburg	Freiburg, 3 <sup>rd</sup> Fl.	Aalborg, 3 <sup>rd</sup> Fl.	Foyer Brüssel	Orangerie
09.00	Advancing Animal Testing to Alternatives: Focus on Refinement & Reduction	Poster Exhibition				
10.00						
11.00					Coffeebreak	
12.00	Advancing Quality Cell Culture Practices & New Approach Methodologies		Meeting der österreichischen Tierschutzgremien			
13.00				Lunch		
14.00	TECNIPLAST					
15.00		Poster Session	Tierpfleger Session	Treffen der Vereinigung der österreichischen Labortierärzte		
16.00					Coffeebreak	
17.00	Award Winner Session	Poster Exhibition				
18.00	General Meeting RepRefRed					
19.00						Social Evening
bis 01:00						

**SESSION | 5** 09:00h - 10:30h

**Advancing Animal Testing to Alternatives: Focus on Refinement & Reduction** Saal Brüssel | GF  
 Chair: Beate RINNER, Österreich | Birgit REININGER-GUTMANN, Österreich

- 09:00 - 09:10 **Opening**  
*Birgit REININGER-GUTMANN, Österreich*
- 09:10 - 09:40 **3Rs - perspectives and activities at the European Commission and its Joint Research Centre (JRC)**  
*Clemens WITTWEHR, Italy*
- 09:40 - 09:50 **The dilemma of animal tests in academic substance development**  
*Markus NAGL, Österreich*
- 09:50 - 10:00 **Prioritizing environmental protection over toxicity prediction to eliminate vertebrate animal testing: daphnids as sentinels to enable safe use of alternative methods for acute fish toxicity.**  
*Martin PAPARELLA, Österreich*
- 10:00 - 10:30 **COST Action IMPROVE**  
*Winfried NEUHAUS*

**COFFEEBREAK | 10:40h -11:00h**

Foyer Brüssel

Sponsored by QPS  
CUSTOM-BUILT RESEARCH

**SESSION | 6** 11:00h - 12:30h

**Advancing Quality Cell Culture Practices and New Approach Methodologies** Saal Brüssel | GF  
 Chair: Judith LECHNER, Österreich | Sandrine DUBRAC, Österreich

- 11:00 - 11:30 **Good cell culture practice**  
*Regina GRILLARI*
- 11:30 - 11:40 **Enhancing reproducibility and affordability of cell culture via medium optimization**  
*Beate BERCHTOLD, Österreich*
- 11:40 - 11:50 **The best of both worlds: a combination of in silico and vitro methods for toxicity prediction of neonicotinoid pesticides and their major metabolites**  
*Karin GRILLBERGER, Österreich*
- 11:50 - 12:00 **Reducing the use of animals in drug development: an example of missed regulatory opportunities while working towards an orphan drug for tgase-1 deficient ichthyosis patients.**  
*Katja ECKL, United Kingdom*
- 12:00 - 12:30 **Accelerating implementation of the 3Rs by facilitating researchers to the max**  
*Jeffrey BAJRAMOVIC, Netherlands*

## MEETING

11:00h - 12:30h

Meeting der österreichischen Tierschutzgremien

Freiburg | 3<sup>rd</sup> Fl.

## LUNCH | 12:30h - 13:30h

Foyer Brüssel

Sponsored by  **EVOMEDIS**  
Innovations for wound healing

## INDUSTRY SESSION

13:30h - 13:50h

**TECNIPLAST: Minimization of stress in animals and humans by sustainable reduction of resource consumption through digitized husbandry**

Saal Brüssel | GF

Chair: Torben HAGER

## POSTER SESSION

14:00h - 15:30h

During the poster session, the poster exhibitors will be available to comment on their posters. The content of the posters can be discussed and reflected in a relaxed atmosphere.

Saal Strassburg | GF

## WORKSHOP

14:00h - 15:00h

**Tierpfleger Session**Freiburg | 3<sup>rd</sup> Fl.

Chair: Astrid FABRY

## MEETING

14:00h - 15:00h

Treffen der Vereinigung der österreichischen Labortierärzte

Aalborg | 3<sup>rd</sup> Fl.

## COFFEEBREAK | 15:30h - 15:50h

Foyer Brüssel

Sponsored by  **AnLab**

## AWARD WINNER SESSION

15:50h - 17:20h

**Ehrungssession für Förderer von Alternativen zu Tierversuchen in Österreich**

Saal Brüssel | GF

Chair: Doris WILFLINGSIEDER, Österreich  
Silvia BADER, Österreich  
Birgit REININGER-GUTMANN, Österreich

## MITGLIEDERVERSAMMLUNG

17:30h - 18:30h

RepRefRed - Generalversammlung

Saal Brüssel | GF

## SOCIAL EVENING

18:30h - 01:00h

Join us for a Social Evening featuring a delightful three-course vegetarian/vegan meal. The evening begins with an aperitif in the foyer, followed by the presentation of The Green Certificate and a brief overview of our climate protection project for CO2 compensation. Enjoy live music by the Crazy Cubes, followed by a DJ-led party to cap off the night.

Orangerie

## SUSTAINABLE - TOGETHER.

The Austrian 3Rdays 2023 in Innsbruck will be organized as a **"Green Meeting"** in accordance with the **Austrian Ecolabel Guideline Uz62**.

As part of these efforts, participants are asked to keep their CO2 footprint as low as possible. Many documents will only be available digitally on site. The congress bag with all information will be displayed virtually without exception. Active links to further online literature, for example, will be a major advantage. The necessary Wi-Fi will of course be provided free of charge throughout the congress building.

The industry partners of the Austrian 3Rdays are also supporting the implementation of this project with active assistance. In concrete terms, this means that sponsors agree to support essential criteria for achieving this project in the form of an agreement when ordering their sponsorship services.

**Tecniplast Deutschland GmbH**, a leading global supplier of products and systems for laboratory animal housing in biomedical research, has also taken a remarkable initiative as part of its support for the Austrian 3Rdays 2023 and assumed the costs for the event's **Climate Partner Certificate**: Tecniplast's support is being invested in the "Clean Drinking Water" climate protection project in Laos in order to counteract the unavoidable greenhouse gas emissions of the event with a financial contribution to climate protection and at the same time create added social value.

	Brüssel	Foyer Brüssel			
09.00	InN Motion: Cell Culture 3.0 > 3D Bioprinting, MPS & beyond				
10.00					
11.00	InN Motion: Opportunities & Challenges of patient-derived models	Coffeebreak			
12.00					
13.00		Lunch			
14.00	THT BIOMATERIALS				
15.00	InN Motion: Disease Modeling & Advanced lab-on-chip systems				
16.00	InN Motion: Organoids, spheroids, iPSCs & beyond	Coffeebreak			
17.00					
18.00					
19.00					

**SESSION | 8** 09:00h - 10:40h

**InN Motion: Cell Culture 3.0 > 3D Bioprinting, MPS & beyond** Saal Brüssel | GF

Chair: Michael AUSSERLECHNER, Österreich | Bhumika SINGH, United Kingdom

- 09:00 - 09:05 **Opening**  
*Doris WILFLINGSIEDER, Österreich*
- 09:05 - 09:35 **Bioprinting of vascularized organ models for infection and cancer studies**  
*Jens KURRECK, Deutschland*
- 09:35 - 09:45 **The physics, biology and engineering behind the design of complex/multi-organ microphysiological systems**  
*Malcolm WILKINSON, United Kingdom*
- 09:45 - 09:55 **Generation of a sodium alginate scaffold to be used as an extracellular matrix for an animal-free 3d skin model**  
*Elise BYRON, United Kingdom*
- 09:55 - 10:10 **COST Action Netskinmodels**  
*Sandrine DUBRAC, Österreich*
- 10:10 - 10:40 **Modelling tumour-niche interactions in vitro**  
*Hannah HARRISON, United Kingdom*

**COFFEEBREAK | 10:40h - 10:00h**

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**SESSION | 9** 11:00h - 12:30h

**InN Motion: Opportunities & Challenges of patient-derived models** Saal Brüssel | GF

Chair: Jens KURRECK, Deutschland | Malcolm Wilkinson

- 11:00 - 11:30 **Application of human iPSC-derived renal, liver and heart cell systems for toxicity testing**  
*Anja WILMES, Netherlands*
- 11:30 - 12:00 **Patient-derived cancer cell models for personalized treatment strategies**  
*Beate RINNER, Österreich*
- 12:00 - 12:30 **Towards functional precision oncology im colorectal cancer using patient-derived organoids**  
*Zlatko TRAJANOSKI, Österreich*

**LUNCH | 12:30h - 13:30h**

Foyer Brüssel

## INDUSTRY SESSION

13:30h - 13:50h

THT BIOMATERIALS: Human placenta upcycling – Made in Austria

Saal Brüssel | GF

Chair: Johannes HACKETHAL

## SESSION | 10

14:00h - 15:00h

InN Motion: Disease Modeling and Advanced lab-on-chip systems

Saal Brüssel | GF

Chair: Doris WILFLINGSIEDER, Österreich | Patrizia STOITZNER, Österreich

14:00 - 14:30 **Characterizing infection and protection against respiratory challenges in human 3D cell culture models***Wilfried POSCH, Österreich*14:30 - 14:40 **GlyperA effectively shields airway epithelia from SARS-CoV-2 infection and inflammatory events***Viktoria ZADERER, Österreich*14:40 - 14:50 **An innovative human iPSC-based co-culture model for in vitro studies of neuro-cardiac interactions***Giada CATTELAN*14:50 - 15:00 **The role of metabolic iron changes in macrophages upon SARS-CoV-2 infections***Hussam ABD EL HALIM, Österreich*

## COFFEEBREAK | 15:00h - 15:20h

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## SESSION | 11

15:20h - 16:50h

InN Motion: Organoids, Spheroids, iPSCs &amp; beyond

Saal Brüssel | GF

Chair: Beate RINNER, Österreich | Anja WILMES, Netherlands

15:20 - 15:50 **iPSC-derived cultured red blood cells resemble fetal liver erythropoiesis***Isabel DORN*15:50 - 16:00 **Animal-free cultivation of human lung organoids***Stefanie DICHTL-ZWEIMÜLLER, Österreich*16:00 - 16:10 **Long-term organotypic brain slices cultured on collagen-based microcontact prints: a perspective for a brain-on-a-chip***Katharina STEINER, Österreich*16:10 - 16:20 **Pathophysiological regeneration following sustained growth plate injury: insights from an ex vivo rat femur organotypic culture model***Vanessa ETSCHMAIER, Österreich*16:20 - 16:50 **iPSC disease modeling: bridging the gap, leaving animals behind?***Frank EDENHOFER, Österreich*

## PLENARY

16:50h - 17:00h

Closing Session Austrian 3Rdays 2023

Saal Brüssel | GF

Chair: Birgit REININGER-GUTMANN, Österreich | Doris WILFLINGSIEDER, Österreich

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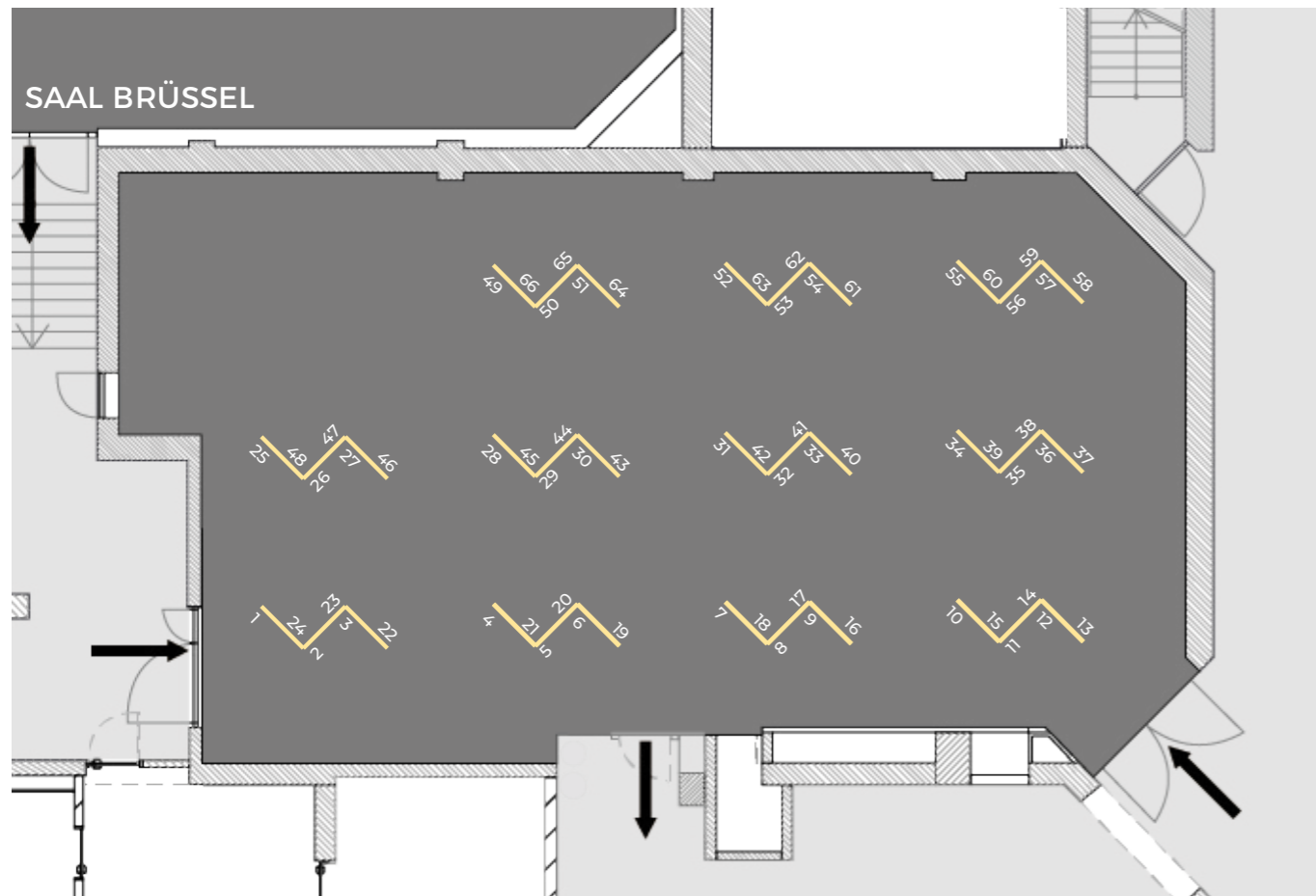
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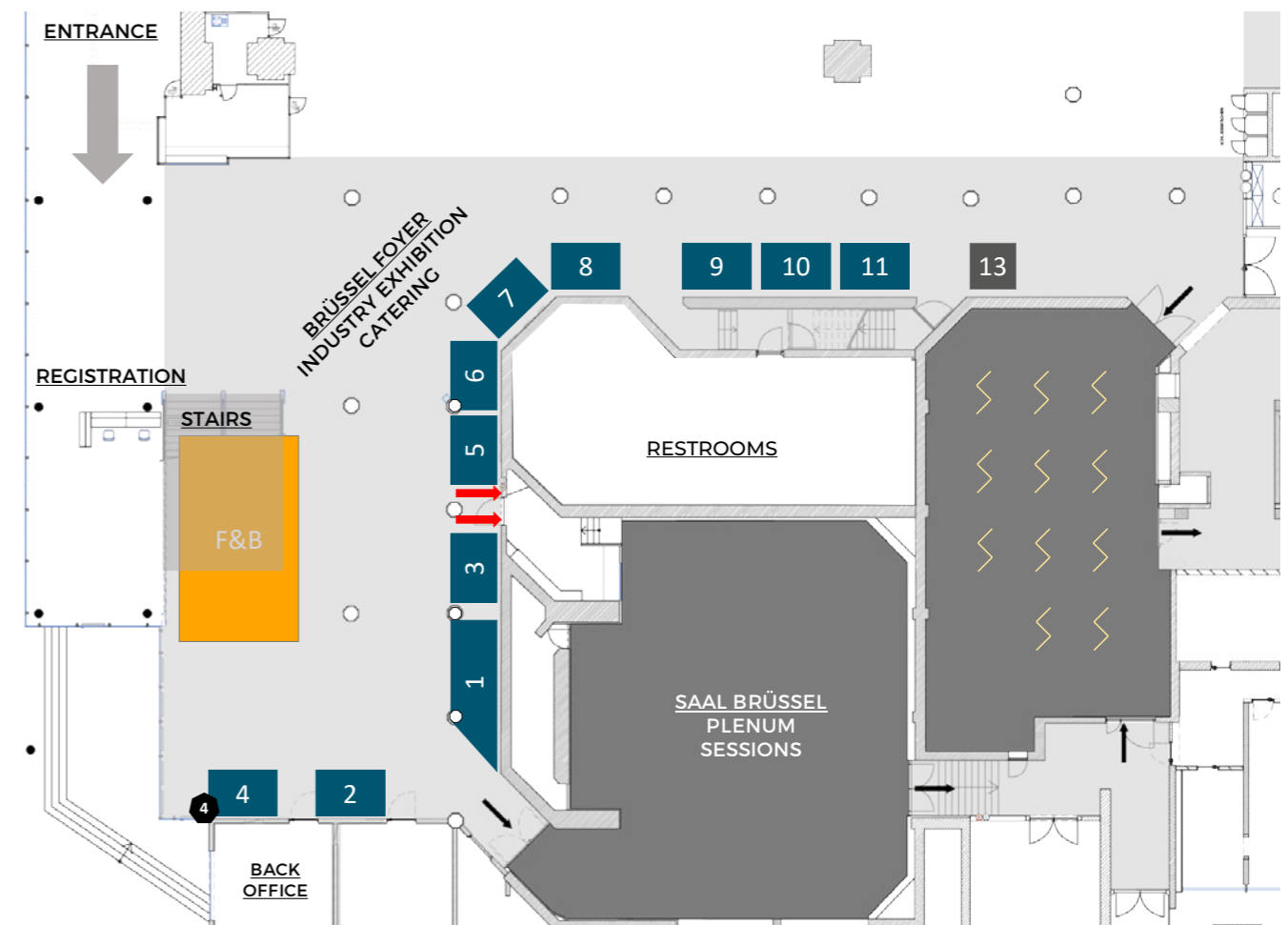
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POSTER NUMBER	CATEGORY FINAL
1	ReFISHment - Refinement in Fish Research
2-4	Refine Animal Interactions: short talks
5-8	3Rs & Regulatory
9-12	Experiment Specific 3Rs
13-17	Advancing Animal Testing Alternatives: Focus on Refinement & Reduction
18-25	Advancing Quality Cell Culture   Practices & New Approach Methodologies
26-35	InN Motion: Cell Culture 3.0 > 3D Bioprinting, MPS & beyond
36-43	InN Motion: Opportunities & Challenges of Patient-Derived Models
44-58	InN Motion: Disease Modeling and Advanced Lab-on-Chip Systems
59-66	InN Motion: Organoids, Spheroids, iPSCs & beyond

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Celvivo	6
Charles River	7
Optics11life	11
Rettenmaier Austria	3
SAN Group	2
Scanbur	4
Scionics	5
Tecniplast	1
Vigilitech	9
Zeiss	8
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## INDUSTRY SESSION | DEC. 6<sup>th</sup>

13:30h - 13:50h

Minimization of stress in animals and humans by sustainable reduction of resource consumption through digitized husbandry

Chair: Torben Hager

Saal Brüssel | GF



## INDUSTRY SESSION | DEC. 7<sup>th</sup>

13:30h - 13:50h

Human placenta upcycling – Made in Austria

Chair: Johannes Hackethal

Saal Brüssel | GF



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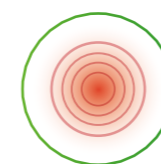
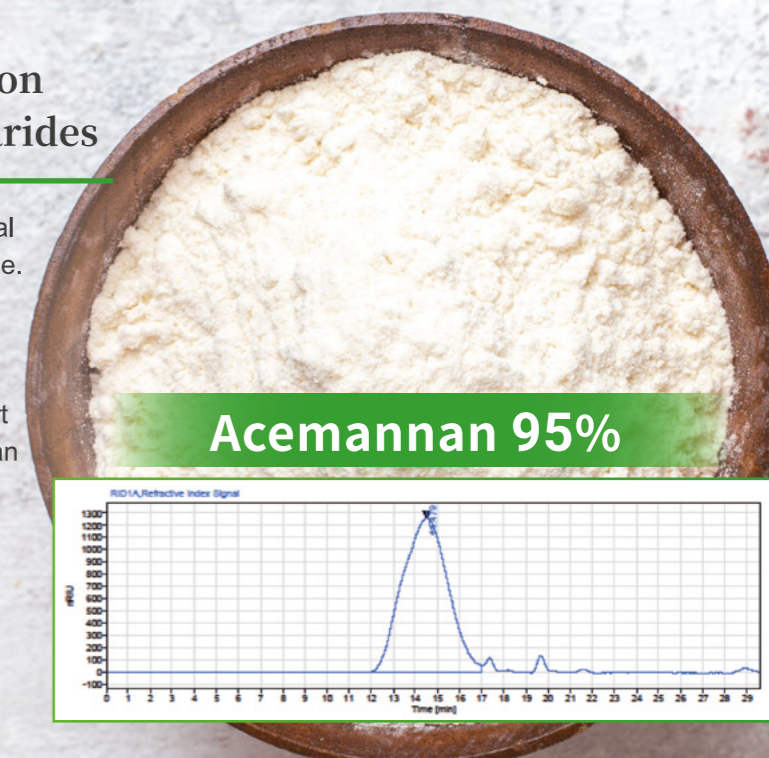
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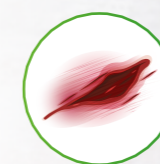
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Patent : **US11654177B2, TWI752622B, 202010934630.1**

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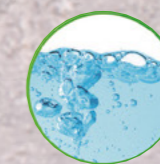
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