

Welcome to the Jubilee & Inaugural Conference

Animal Research 2020 and Beyond

Program: <https://animalresearchtomorrow.org/assets/conference-booklet-program.pdf>

organised by

Nuno Franco
Giuliano Grignaschi
Servan Grüninger
Aimée Zuniga

Iana Buch (Manager)
Rolf Zeller (President BDS)

Sponsors



Individual & Institutional
BDS/ART Members

Animal Research **Tomorrow** is the new host of the ***Basel Declaration***

<https://animalresearchtomorrow.org>

Animal Research 2020 and Beyond

is organised on the occasion of the
10th Anniversary of the ***Basel Declaration***



November 29, 2010

A Special Welcome to
Mike Hengartner
Stefan Treue
(First Signatories
with D. Imboden)

Astrid Kugler
(Founding Manager)



The BASEL DECLARATION

A call for more trust, transparency and communication in animal research
Adopted in Basel on November 29, 2010



- Signatories from over 60 countries have committed to perform **Research involving Animals:**

1. Adhering to the Highest Technical and Ethical Standards

2. Strictly Implementing the 3Rs Principles

- In addition they commit to:

3. Promote Open Access to all Primary Data

4. Improve Education at all Levels

**5. Engage in Open, Transparent and Proactive Communication with the Public, Law Makers,
Funding Agencies & Animal Welfare Organizations**

**6. Inform Stakeholders about the continued Necessity of Animal Research for Basic and
Applied Research**

- The Signatories request that their **Engagement must be supported by their Host Institutions**

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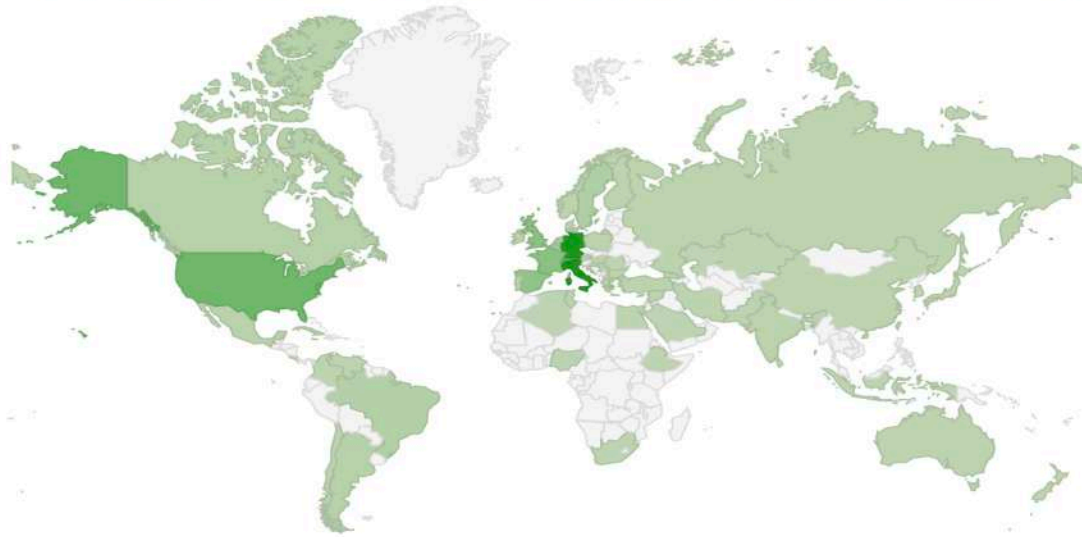
2011-2020: The Basel Declaration Society

Home of the Basel Declaration



- The BDS is dedicated to Spreading and Implementing **the Principles of the Basel Declaration**
- **The Voice for Ethically Responsible** Animal Research
- **Researchers for Researchers: Support, Education, Media Training, Conferences, Networking with National Organisations**
- **International** Grass-Root Organization with an Efficient Low Cost Structure

The Basel Declaration is a Global Network



President Prof. Dr. Rolf Zeller Department of Biomedicine University of Basel Basle, Switzerland	 Prof. Dr. Patrick Matthias Friedrich Miescher Institute Basle, Switzerland	 Dr. med. vet. Cornelia Veterinary surgeon specialising in and animal welfare Animal welfare oncologist for the Philipps University of Marburg c/o FB Biologie, Germany
Managing Director Dr. Ina Buch BOS Office Zürich	Vice-Presidents Prof. Dr. Richard W. Bianco Director of Experimental Surgery University of Minnesota Minneapolis, USA Dr. Giuliano Grignaschi IRCCS Istituto di Ricerche Farmacologiche Mario Negri Milano, Italy	 Prof. (em) Dr. Ian McGrath FBPharmacolS FSB Editor in Chief, British Journal of Pharmacology University of Glasgow (UK) and University of Sydney (AUS) Prof. Dr. Gregor Rainer Department of Medicine / Physiology University of Fribourg Fribourg, Switzerland Prof. Dr. Hansjörg Scherberger German Primate Center Göttingen, Germany
Board Members Prof. Kevan AC Martin Director, Institute for Neuroinformatics University of Zurich/ETH Zürich, Switzerland	 Prof. Dr. Stefan Treue Director, German Primate Center, Göttingen, Germany	 PD Dr. Airmée Zuniga Department of Biomedicine, University of Basel Basle, Switzerland Dr. Nuno Franco Institute for Molecular and Cell Biology Laboratory Animal Science Group University of Porto, Portugal Servan Grüninger MSc student Computational Science and Engineering (EPFL); MSc Biostatistics (UZH); BSc Biology (UZH); President & Co-founder reach - research and technology in Switzerland

- **~5000 Signers** of the Basel Declaration from **over 60 Countries**
- **~20 Institutional Signers and Members**
- **~220 Ambassadors** worldwide
- Collaborations with **EFPIA, EARA and National Organizations**

BDS Education and Outreach



- Basel Declaration Award for Training in Animal Research since 2001



Central Europe



Russia



Africa



South-America

BDS Education and Outreach



- Basel Declaration Award for Training in Animal Research since 20...



Central Europe



Russia

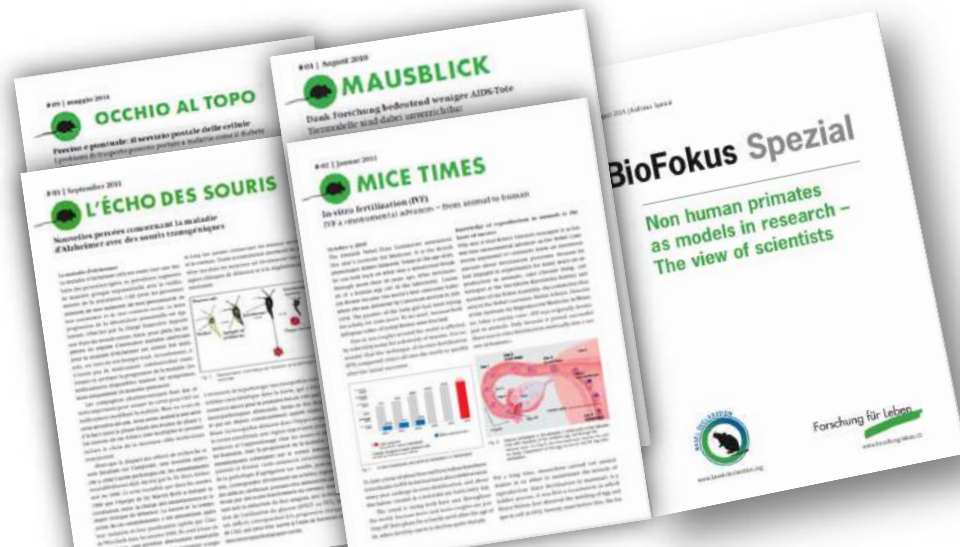


Africa



South-America

- Ressources, Publications and supporting Young Scientist Organisations



- Position papers
- Press releases
- Ambassadors & Awardees:
National Outreach Activities

BDS Education and Outreach



- Basel Declaration Award for Training in Animal Research since 20...



Central Europe



Russia

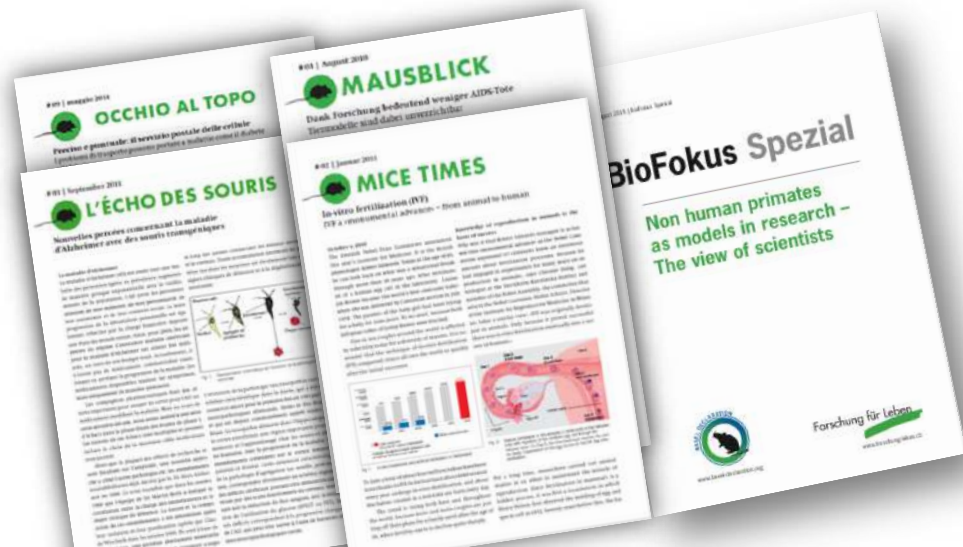


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reach – für eine wissenschaftsfreundliche Kultur

Die unabhängige Ideenschmiede reach stärkt die Beziehungen zwischen den Wissenschaften und anderen Teilen der Gesellschaft. Sie fördert das Potential von Wissenschaft und Technik entlang gesamtgesellschaftlicher Werte und bereichert die öffentliche Debatte mit kritischen Standpunkten oder fruchtbaren Lösungen. reach arbeitet transdisziplinär und setzt auf die Innovationskraft zahlreicher Freiwilliger.



**Research at a Crossroads?
Basel 29./30. November 2010**

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T +41 (0)56 269 30 39
kugler@forschung-leben.ch

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der deutschen Forschungsgemeinschaft
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Dekan der Mathematisch Naturwissenschaftlichen Fakultät
Universität Zürich

Prof. Dr. Stefan Treue
Primatenzentrum Göttingen
Geschäftsleitung

Event supported by
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Senatskommission für Tierexperimentelle
Forschung der Deutschen Forschungsgemeinschaft
Schweizer Forschende der Life Sciences
Forschung für Leben

**Basel Declaration Society | Allschwilerplatz 1 | PF | CH-4009 Basel
www.basel-declaration.org | contact@basel-declaration.org**

**4th INTERNATIONAL CONGRESS OF THE BASEL DECLARATION SOCIETY:
Research on animals in the frontline:
Transparency and public engagement**

Rome, 1st – 2nd October 2015

Congress Information

Human health is benefiting enormously from continuous medical progress. This is made possible by the interactions between basic biomedical research, translational research and the development of new drugs and therapies. The incredible advances of biomedical research during the last few decades would not have been possible without the ground-breaking research done in various animal models, ranging from simple invertebrates to non-human primates. In order to continue to contribute scientific discoveries that will benefit human health, it is absolutely critical that state-of-the-art basic as well as applied research can continue.

A small, but very active and influential fraction of the general public sees this rather differently and poses a threat to modern biomedical research. They are very vocal in promoting the claim that research involving animals is useless, unnecessary or even harmful to medical progress and improvement of human health. This anti-scientific attitude misrepresents the scientific and historic evidence as well as the ethical challenge of our dual responsibility towards human patients and research animals.

AMP AMERICANS FOR MEDICAL PROGRESS

FBR FOUNDATION FOR BIOMEDICAL RESEARCH

nabr National Association for Biomedical Research

BASEL DECLARATION SOCIETY

**5th INTERNATIONAL CONFERENCE OF THE BASEL DECLARATION SOCIETY
Openness and Transparency:
Building Trust in Animal Research**

14th – 15th February 2018 | at swissnex, Pier 17, San Francisco

Conference Information

Animal research has made key contributions to all fields of (bio-) medical and basic research. The welfare of research animals is guaranteed by the most restrictive rules that govern animal use by society. Nevertheless, the perception that animal research is cruel and does not contribute to improving human health and should therefore be replaced by animal-free research remains widespread.

This underscores the need to improve communication on all aspects with the aim to increase public trust in animal research. However, calls for openness and transparency are often met with serious worries by scientists and research institutions alike. There is concern that increasing openness and transparency will provoke backlashes and trigger campaigns by

BASEL DECLARATION SOCIETY

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**Pathway to more Transparency in Animal Research
Berlin 17./18. October 2011**

Tagungspräsidenten:
Prof. Dr. Michael Hengartner
Dekan der Mathematisch Naturwissenschaftlichen Fakultät
Universität Zürich

Prof. Dr. Stefan Treue
Primatenzentrum Göttingen
Geschäftsleitung

Scientific Program Committee
Prof. Adriano Aguzzi (University Hospital, Zurich)
Prof. Gerhard Heldmaier (University Marburg)
Prof. Paul Herrling (Novartis, Board member ETH Zurich and University Basel)
Dr. Mark Matfield, Chair European Biomedical Research Association (EBRA)
Prof. Annette Oxenius (ETH Zurich)

Senatskommission für tierexperimentelle Forschung
der Deutschen Forschungsgemeinschaft

Schweizer Forschende der Life Sciences
Forschung für Leben

**Transparency in Animal Research:
Implementing Openness in
Publication and Communication**

London, July 1–2 2013

Venue: 30 Euston Square/Royal College of General Practitioners,
Camden Town, London, NW1 2ED

Co-Chairs: Prof. Dr. Rolf Zeller,
President of the Basel Declaration Society,
Department of Biomedicine, University of Basel

Wendy Jarrett
CEO, Understanding Animal Research, UK

**Basel Declaration Society
www.basel-declaration.org**



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Berlin 17./18. Oktober 2011**

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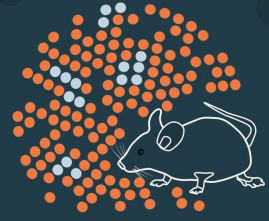
Co-Chairs: Prof. Dr. Rolf Zeller,
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Grimm (2018) *Science*, doi:10.1126/science.aau5805

In February, about 100 U.S. scientists, veterinarians, and university administrators gathered in San Francisco, California, to call for more transparency from the country's animal labs. One upshot: a proposed U.S. Animal Research Openness Agreement, which if formalized would bind signatories to be more candid about the animal research they do, much like the U.K. concordat.



Animal Research Tomorrow

The Project Team

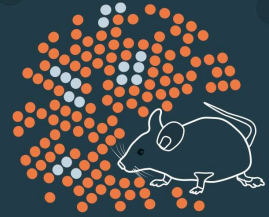
Iana Buch
Nuno Franco
Servan Grüninger
Guiliano Grignaschi
Aimée Zuniga
Rolf Zeller

Rebranding

Alex Klauser & Mike Fung (Roche)

Website Design

Jonas Baumberger (srsly)



Animal Research **Tomorrow**

Good Things remain..

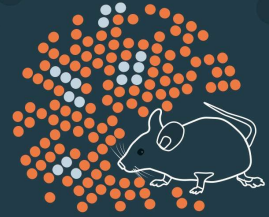
- **The Basel Declaration pioneered the world-wide Promotion** of Transparent Communication, Ethically Responsible Animal Experimentation and the 3Rs in the Life Sciences
- Animal Research **Tomorrow** is a **Grass-Root NGO** distinct from other Organisations
- **Members are Academics/Scientists from Different Disciplines** that inform transparently and support research involving animal experimentation – NOT a lobbying organization for animal testing



Animal Research **Tomorrow**

New Initiatives.....

- We will be an **Independent Fact-based Source of Scientific Information**
- We will develop a **Think-Tank** engaging with other Disciplines such as **Ethics and Philosophy**
- **Reach-out** to Patients and their Organisations
- **Strengthen Interactions with Next Generation Scientists and Leaders** (Gen Y-Millennials-Gen Z)



More than Rebranding- it's a Mission Statement

State-of-the-ART Animal Research is:

An Absolutely Essential Part of both Discovery and Translational Life Science Research

Ethical Responsibility, Best Practise Design and Methodology, Animal Welfare and Empathy



More than Rebranding- it's a Mission Statement

Current Biology

Volume 30, Issue 18, 21 September 2020, Pages R1014-R1018



An Absolutely

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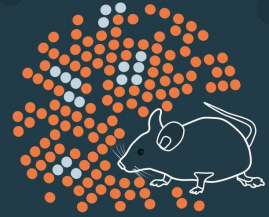
Ethical Respons

Essay

How the COVID-19 pandemic highlights the
necessity of animal research

are and Empathy

Lisa Genzel ¹  , Roger Adan ², Anton Berns ³, Jeroen J.J.P. van den Beucken ⁴, Arjan Blokland ⁵, Erik H.W.G.M. Boddeke ^{6,7}, Willy M. Bogers ⁸, Ronald Bontrop ⁸, R. Bulthuis ⁹, Teun Bousema ⁴, Hans Clevers ¹⁰, Tineke C.J.J. Coenen ¹¹, Anne-Marie van Dam ¹², Peter M.T. Deen ¹, K.W. van Dijk ¹¹, Bart J.L. Eggen ^{6,7}, Ype Elgersma ¹³, Izel Erdogan ⁴ ... Judith R. Homberg ⁴  

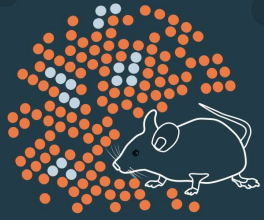


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More than Rebranding- it's a Mission Statement

State-of-the-ART Animal Research is NOT stand alone but part of:

Holistic Approaches to Discover and Study the Complexity of Organismal Development & Functions and the Changes causing Disease

Integrative Systems Research based on Genome-wide, Cellular & *In Silico* Analysis of Complex Biological Processes

Innovation of Complementary/"Alternative" Cellular Approaches such as iPS Cells, Organoids etc

Three Pillars of Animal Research **Tomorrow**

1. Society and Life Science Research

- Strengthen the Ambassador Network by forming **Active Regional Chapters**

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- Use Social Media and Digital Formats for **Outreach and Education** to Target Groups

Three Pillars of Animal Research **Tomorrow**

1. **Society and Life Science Research**

- Strengthen the Ambassador Network by forming **Active Regional Chapters**
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- Use Social Media and Digital Formats for **Outreach and Education** to Target Groups
- Inform Society about the **Moral Obligation** of Scientists to conduct Research that includes Animals to the Benefit of Human and Animal Patients

Three Pillars of Animal Research **Tomorrow**

2. Science and Research Practice

- **Reduction/Replacement of Animal Research** – what is scientifically justifiable and what not?

Three Pillars of Animal Research **Tomorrow**

2. Science and Research Practice

- **Reduction/Replacement of Animal Research** – what is scientifically justifiable and what not?
- **Promote Efforts to improve Reproducibility and Validity of Research**
- **Promote Efforts to Guarantee the Highest Standards of Scientific Quality**

Three Pillars of Animal Research **Tomorrow**

3. Ethics and Philosophy of Animal Research - a Think Tank Project

- **Philosophical Basis** of Arguments in favor (and against) Animal Research
- **What are Philosophically valid** Arguments for Animal Research.

Three Pillars of Animal Research **Tomorrow**

3. Ethics and Philosophy of Animal Research - a Think Tank Project

- **Philosophical Basis** of Arguments in favor (and against) Animal Research
- **What are Philosophically valid** Arguments for Animal Research.
- **A Moral Obligation of Scientists to use Animals -if required-** in Discovery and Applied Life Science and Biomedical Research.
- **Define an Ethical Decision Framework** to assess the Justification of Animal Experimentation.

Animal
Research
Tomorrow

**Thank you
for your attention!**



Animal Research **Tomorrow**



Dr. Nuno Franco (University of Porto)
Board Member Animal Research **Tomorrow**

