

TRANSPARENCY (IN ANIMAL) RESEARCH AND ITS COSTS



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**4th International Congress of the Basel Declaration
Society, Rome. October 1st, 2015**



International Regulatory Environments

Concept of *regulatory balance*

- Scientific quality
- Animal welfare
- Public confidence

Transparency in Animal Research

7 good reasons

- Essential for acceptance of research
- Thank your funders, that is the tax payers
- Offer sources of easily available information for politicians, journalists, teachers, students/pupils
- Inspire critical thinking
- Oppose the flow of bad information in the media
- Favor scientifically-inspired political decisions
- Clarify what animal research is and is not

Transparency in Animal Research

7 good reasons

1. Essential for acceptance of research

A taciturn and invisible scientific community will not be able to explain why and how experiments on animals are necessary



Transparency in Animal Research

7 good reasons

2. Thank the tax payers

Investing in animal research pays good returns for the national health systems, and we should constantly remember the voting public why and how.



Transparency in Animal Research

7 good reasons

3. Offer sources of easily available information for politicians, journalists, teachers, students/pupils.

Pub Med Central is ok, but *let's not fool ourselves...!*

This information is not understandable and digestible to the public

Would you put money in an industry that does share its results and their impact on daily life?

Transparency in Animal Research

7 good reasons

4. Inspire critical thinking in biology and medicine

Animal testing should help discouraging any medical practice which is not scientifically based and which cannot be falsified.

The STAMINA case

Transparency in Animal Research

7 good reasons

5. Oppose the flow of bad information

Animal research is often used by the media channels to announce great discoveries that promise to cure life-threatening diseases in the short run.

The case of neuro-imaging and *Time magazine*
(what makes us Good/Evil)



Transparency in Animal Research

7 good reasons

6. Favor scientifically-inspired political decisions

The STAMINA case, again!

Prohibition (*Dl.vo 26-2014*) of the use of animals for:

- xenotransplantations
- addiction

Transparency in Animal Research

7 good reasons

7. Clarify what animal research is and is not

- Inspire the art of doubt
- Do not promise results that cannot be achieved
- Tell the public that the results of animal research are often controversial and that scientists often don't agree

The problem

A large amount of the easily available materials on animal-based research comes from opponent to animal research

Who are they?

Ingrid Newkirk President of PETA

“Even if animal tests produced a cure for AIDS, we’d be against it.”

“There’s no rational basis for saying that a human being has special rights. A rat is a pig is a dog is a boy. They’re all animals.”



PETA: Animal rights are more important than human lives.



**European Animal
Research Association**

Transparency in Animal Research

A (partial) solution:

Establish websites focused on presenting science-based information about science including research-based approaches

Transparency in Animal Research

Specialized websites by individuals or institutes

- **Avantages**

- very specific & focused
- great for information related to the specifics of individual and institutional research

- **Disadvantages**

- large effort/cost
- difficult to keep up-to-date and dynamic



Specialized websites

<https://www.dasgehirn.info/>



Sie sind hier: Startseite

Im Fokus Oktober / November

› Geld und Gehirn



Image Source: Getty Images / Comstock

Geld und Gehirn
► Geld regiert die Welt – nicht unbedingt

Wer mehr Geld bekommt, leistet auch mehr. Dieses Credo gilt im Wirtschaftsleben quasi als Naturgesetz. Tatsächlich können hohe Boni jedoch das Gegenteil bewirken, ergaben Studien. Forscher haben einen anderen Vorschlag zur Mitarbeiter-Motivation.

Geld und Gehirn
► Abschied vom Homo oeconomicus

Der Mensch, glauben viele, ist ein Homo oeconomicus: Entscheidungen fällt er durch das Abwegen von Kosten und Nutzen. Neuroökonomen zeigen jedoch: Nicht allein die Ratio, sondern auch Gefühle steuern die Entscheidungsfindung.

► Zum Thema Geld und Gehirn

Aus der Mediathek



Hirnschau / Video
► Neurone, Forschung und Photonen



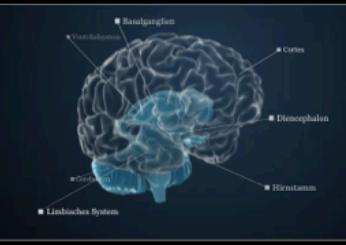
FoxP2 / Audio
► Hirntumor im Film mit Andreas Dresen



Geld und Gehirn / Video
► Dan Ariely über Verhaltensökonomie

Ausgewählte Artikel

Zoom ins 3D-Gehirn



3D Gehirn



Weihnachts-Spezial

► Der Hirn-Adventskalender

Winterzeit ist Grippezeit. Was die Viren in unserem Körper so treiben, erfährt, wer unser virtuelles Türchen in das Word Wide Web öffnet (engl.)

[Tür 1: Winterkämpfe](#)

Aktuell

Hirnschau

► Neurone, Forschung und Photonen

Am MPI für Neurobiologie in Martinsried steht ein Zweiphotonen-Mikroskop, das besondere Einblicke ins lebende Gehirn bietet. Prof. Mark Hübener erklärt, wozu es genutzt wird.

dasGehirn.info auf

[Facebook](#) [Twitter](#)

Specialized websites

www.basel-declaration.org/



THE BASEL DECLARATION ABOUT US JOIN US PROJECTS EVENTS PUBLICATIONS LINKS

Like the Helsinki Declaration, which forever altered the ethical landscape of human clinical research, the aim of the Basel Declaration is to bring the scientific community together to further advance the implementation of ethical principles such as the 3Rs whenever animals are being used and to call for more trust, transparency and communication on the sensitive topic of animals in research. The Basel Declaration Society, founded on October 5th. 2011, strive to promote the Basel Declaration. [Visit gallery...](#)

Basel Declaration

The signatories, researchers in the life sciences sector, are committed to the 3R principle (Replace, Reduce, Refine), i.e., that animal testing in their area of expertise be planned and carried out with extreme care. In addition, they will contribute to providing society with open and transparent information about animal experiments.

In return, the undersigned scientists expect society to recognize that animal experiments are essential for medical progress both now and in future.



The first three signatories

Left: Prof. Michael Hengartner,
Dean of the Faculty of Mathematics
and Natural Sciences, University of
Zurich

Middle: Prof. Dieter Imboden,
President of the National Research

Sign the Declaration

(For researchers only)

> INDIVIDUALS

> INSTITUTES

Download the Declaration in

English

French

German

Italian

Spanish

Chinese

Portuguese

Signatures & Statistics

Total signees: 1401

...details

National websites

www.recherche-animale.org/



Qui sommes nous ? & Liens L'animal et la recherche Gircor Questions d'éthique Actualités & Flash d'info

Pourquoi avoir recours à des animaux ?

Pourquoi avoir recours
à des animaux?

Quels animaux?

Les grandes
découvertes dues à
des animaux

La réglementation

Tout savoir sur
l'expérimentation
animale

Le Gircor, comme l'ensemble du monde scientifique, souhaite que les méthodes d'expérimentation ne nécessitant pas le recours aux animaux se développent le plus rapidement possible. Pour des raisons éthiques tout d'abord ; pour des raisons scientifiques ensuite.

Cependant, contrairement à ce que beaucoup de gens pensent, en l'état actuel des connaissances, ces méthodes ne permettent pas de remplacer l'expérimentation animale. Aujourd'hui aucun ordinateur ni aucune éprouvette ne peut simuler même imparfairement un mécanisme biologique complexe : système sanguin, système nerveux, appareil digestif...

Même s'il existe de nombreuses différences entre un être humain et un animal, certaines similitudes physiologiques peuvent être exploitées et ainsi permettent de faire avancer la recherche médicale. Par exemple, un cœur de chien est très proche de celui de l'homme. De même, l'impact de médicaments sur des fœtus de lapin est très souvent prédictif de ce qui pourrait être observé chez un fœtus humain. Le chercheur sait cela, et il connaît aussi les limites de ces modèles.

Aujourd'hui, l'expérimentation animale est donc encore au cœur des recherches médicales sur le cancer, le sida ou la maladie d'Alzheimer. Elle sert également à développer les nouvelles techniques chirurgicales.

National websites

www.understandinganimalresearch.org.uk/

The screenshot shows the homepage of the Understanding Animal Research website. At the top, there's a navigation bar with links to Home, About us, How?, Why?, The Animals, Policy, News, and Resources. To the right of the navigation is a search bar and social media links for Facebook, Twitter, YouTube, Email, and RSS. On the left, a vertical sidebar labeled 'Welcome' has a large number '1' below it. The main content area features a large image of a white mouse being held by a person wearing purple gloves. To the right of the image is a vertical bar with four categories: Journalists, Scientists, Schools, and Policy Makers, each with a corresponding number (2, 3, 4, 5) below it. Below the main image, the text reads: 'We aim to provide all you want to know about animal research, whether you are a concerned member of the public or have a special interest.' It also says: 'If you are a teacher, student, scientist, policy maker or a journalist, select the bar on the right to find the content of particular interest to you.' A 'Recommended content for you:' section follows, featuring five cards: 'Resources' (with a link to free resources), 'How do we do research with animals?' (with a link to how animals are used in research), 'Why are animals used in research?' (with a link to the benefits of animal research), 'The Animals' (with a link to information on animals used in research), and 'Health timeline' (with a link to the animal research behind medical advances). At the bottom, there's an 'About us' section with a building image, an 'AnimalResearch.Info' section with a document image, and a newsletter subscription form.



Specialized websites

<https://protestitalia.wordpress.com/>

OPBA - roberto.caminiti@... Pro-Test Italia

<https://protestitalia.wordpress.com>

ARTICOLI RASSEGNA STAMPA COMUNICATI STAMPA AREA MEDIA CHI SIAMO DIVENTA SOCIO DAI UNA MANO!
 CONTATTI SITI AMICI

PRO-TEST ITALIA



Chi sono i Pro-Testers?



Pro-Test Italia è un'associazione no-profit che si propone di divulgare e promuovere al grande pubblico le corrette conoscenze sulla ricerca scientifica, in particolare in ambito biomedico, evidenziandone le potenzialità e i limiti, alla luce delle più recenti scoperte nel campo, come metodo per incrementare le conoscenze sul mondo che ci circonda. È l'unica realtà organizzata in Italia ad occuparsi eletivamente di divulgazione scientifica in ambito biomedico. Pur essendo giovane (novembre 2012), Pro-Test Italia ha ottenuto in breve tempo risultati importanti, quali l'essere citata più volte nelle più prestigiose riviste scientifiche internazionali, come [Nature](#), [Science](#) e [The Scientist](#), l'essere riconosciuta dalla Federazione Europea delle Società di Neuroscienze (FENS) con il premio per l'[Advocacy and Transparency on Animal Research](#) nel 2014, l'essere ricevuta in più occasioni dai rappresentanti delle istituzioni nazionali e locali per portare il proprio punto di vista riguardo alla tematica della ricerca biomedica ed essere invitata, nelle persone dei membri relatori, al [Convegno in Senato](#) organizzato a Gennaio 2014 dalla Commissione Sanità in materia di sperimentazione animale e l'aver organizzato manifestazioni e dibattiti in tutta Italia con buona risposta del pubblico. Sul territorio milanese inoltre, ha iniziato collaborazioni con scuole e studenti, proponendo con successo lezioni e moduli educativi rivolto alle scuole superiori.

Gli ultimi Articoli

- ▶ La disinformazione sulla talidomide colpisce anche i bravi divulgatori scientifici marzo 10, 2015
- ▶ Quando disinformazione fa quasi rimpa con diffamazione febbraio 28, 2015
- ▶ SMA Tipo 3: la storia di Cristina, donna fuori dal comune! febbraio 28, 2015
- ▶ Paziente, cellule e ricercatori: un legame diretto. febbraio 27, 2015
- ▶ Intervista a Barbara, Stefano e Ginevra sulla SMARD febbraio 26, 2015
- ▶ La malattia di Krabbe febbraio 25, 2015
- ▶ Il gene APC e le poliposi familiari febbraio 24, 2015
- ▶ Farsi un'idea: il consenso scientifico febbraio 22, 2015
- ▶ L'intolleranza ereditaria al fruttosio febbraio 21, 2015
- ▶ Intervista alla Dott.ssa Ilaria Ciancaleoni Bartoli, Direttore Responsabile dell'O.M.R. febbraio 18, 2015

Iscriviti

https://protestitalia.wordpress.com

IT 10:51 24/03/2015

Specialized websites

<http://hirnforschung.kyb.mpg.de/en/startseite.html>



Max-Planck-Institut
für Biologische Kybernetik

Max Planck Institute for Biological Cybernetics

Department Physiology of Cognitive Processes

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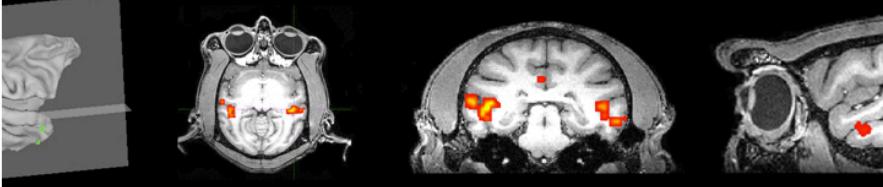
A- A A+ Deutsch English

You are here: Homepage

[Foreword by Nikos Logothetis](#)

[A short introduction to the topic of animals in research](#)

[Biological Cybernetics](#)



Our goal is to understand exactly how the brain works. We are firmly convinced that it is only with this knowledge that we can truly help persons suffering from the many disorders of perception, awareness and movement caused by a dysfunction in the brain.

BRAIN RESEARCH ON NON-HUMAN PRIMATES 

The scientists in the department "Physiology of cognitive processes" at the Max Planck Institute for [Biological Cybernetics](#) want to understand how the brain works. To do this they employ a variety of electrophysiological, imaging and anatomical methods. Some of the behavioral experiments are carried out on humans and others on animals, primarily on non-human primates. Although some of this research can be carried out using non-invasive methods such as functional magnetic resonance imaging, we can only understand the activity and function of complex neural networks by entering the brain itself.

Only by taking electrophysiological recordings from many single nerve cells in the network will scientists be able to unravel complicated processes such as thought and memory, knowledge that can then be used to help people in whom these brain functions are impaired as a result of disease, accidents or congenital defects.

Read the [foreword](#) and [A Short Introduction to Animals in Basic Biomedical Research](#) by Nikos Logothetis, Director at the Max Planck Institute for Biological Cybernetics.

Brain Research
Brain researchers want to understand how our brain works

Findings
The findings of brain research and their applications

Methods
A survey of methods used by brain researchers

Animals
Primates are essential for brain research

The Law
The legal situation of animal experimentation in Germany

Press
What the press is saying about our brain research and animal experiments?

Links
More information on animals in research

Transparency in Animal Research

A much more difficult way to transparency

Show what you do in your lab

- *A lab is not a zoo*
- *A lab is not a circus*
- *You have scientific and legal responsibility for the animals used in your laboratory*



...my way to transparency

<http://www.basel-declaration.org/>



The costs of transparency

- Media campaigns
- Attach to your reputation as scientist
- Legal initiatives by animal organization with the allegation of maltreatment of animals
- Inspections by specialize police corps
- Need of legal defense
- Need of financial resources to defend yourself



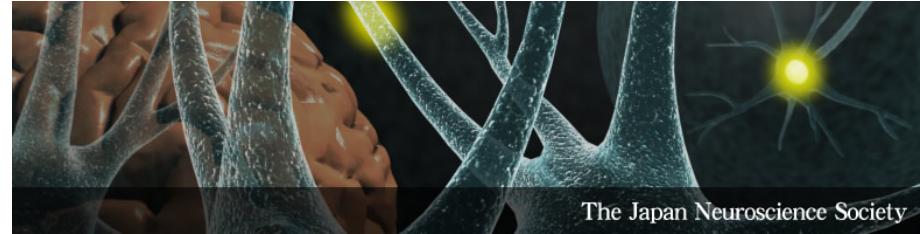
The costs of transparency

Minimal architecture for transparency (MAT)

- Work in full legality
- Support of your institution (scientific, legal, media)
- Support of your students
- Support of the scientific community
- Be able to address the media
- Support by national and international organizations interested in animal research.
- Never act alone



<http://www.fens.org/>



An important message for all of you at this meeting: please recognise and support the continuing need for medical research using non-human primates

