

Selber die Hände binden?

Die Basler Deklaration als Beispiel von der Normentstehung durch Selbstregulierung

Michael Hengartner

Dekan, Mathematisch-naturwissenschaftliche Fakultät, Universität Zürich Präsident, Verein "Forschung für Leben"

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Rechtswissenschaftliche Fakultät, Universität Basel



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About me

Professor for molecular biology at the University of Zurich

Research focus: basic research on programmed cell death in *Caenorhabditis elegans* (model organism; biologically an animal, but not considered an

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Forschung für Leben

President of the association "Forschung für Leben"

Mission: Promote a dialogue between society and life scientists.



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Scientific Process (basic research)

- 1. Generate knowledge
- 2. Share knowledge



Who to communicate to?

- Peers (scientific community)
- · Students (teaching)
- General Public (community at large)



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Why communicate?

- · To peers
 - · Increase the body of scientific knowledge
 - Career development
 - · Increase standing in the community
 - · Financial gain



Why communicate?

- · To peers
 - · Increase the body of scientific knowledge
 - · Career development
 - · Increase standing in the community
 - · Financial gain
- · To the public
 - Reporting (legal, financial)
 - · Increase understanding of science
 - · Increase support for science

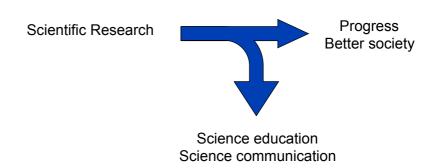


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The virtuous cycle



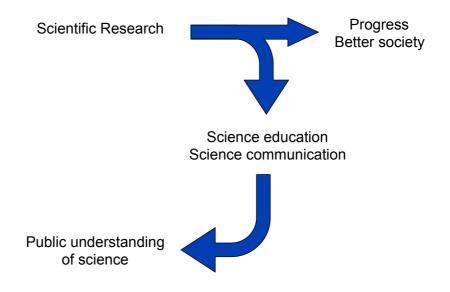
The virtuous cycle





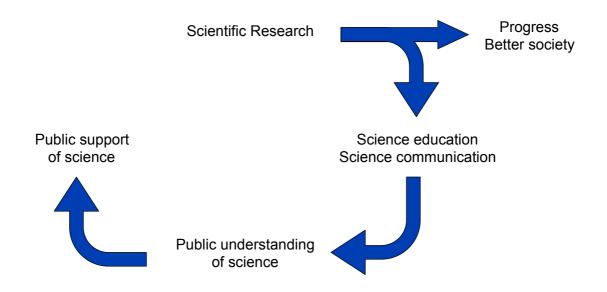
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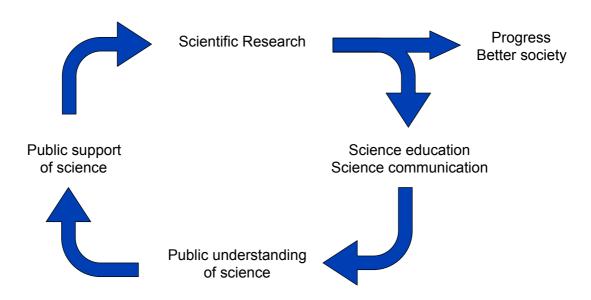
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The virtuous cycle





Why should scientists communicate with the public?

- Enlightened "self-interest"
- Switzerland is a knowledge society. Its thriving depends on a culture of innovation and a well-educated workforce.
- Switzerland is a direct democracy. Even issues that are scientifically highly complex can be put to a general vote.



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How to go about communicating science?

- Neutral information provider ("educator")
 - State the facts
 - Let them decide for themselves
- Supporter of the "scientific point of view" ("lobbyist")
 - State the facts
 - Explain why your position (based on your analysis of the facts) is the right one to take



Scientists cannot afford to remain "neutral" on science policy issues.

Political decisions are taken not based on facts, but based on how these facts are interpreted. Interpretation is subject to argumentation.

In a pluralistic society, multiple points of view will exist.

If scientists do not actively express "their" opinion, they will leave the field to those with differing views.



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Example: experiments with animals



Recent outdoor poster advert campaign in Zurich



"Modern research avoids animal experiments"

- Swiss league against vivisection



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Recent outdoor poster advert campaign in Zurich



"There are better research methods than animal experiments"

- Swiss league against vivisection



Even some moderate animal rights groups argue that experiments with animals:

- · Are unnecessary and outdated
- Provide no significant medical progress
- Are a waste of animal lives
- Are cruel
- Are by done by researchers who do not care about or respect the law

TIERVERSUCH

Das sinnlose Leiden im Labor

Sind Tierversuche in der Forschung so unverzichtbar, wie uns das jahrelang eingetrichtert wurde? Immer mehr Studien ziehen das stark in Zweifel – doch die Zahl der benutzten Tiere steigt und steigt IDEL TREMA SEPTER

Dis Zahl der Tierversuche nimmt in der Schwies sie direj laben steigt zu. Im Vertraitwessen (Mrv.) in alben von teilst wertraitwessen (Mrv.) in alben von teilst verträiten und der chemischen Industrie impessent 17:000 There für Vergüngungent 17:000 There für Vergüngungent 17:000 There für Vergüngungent 17:000 There für Vergüngungent 17:000 There für Vergüngungen 17:000 There in Vergüngungen 17:000 There in Versiche sich versichen 18:000 There in Versiche sich versichen 18:000 There in Versiche sich versiche Schwiester nicht zu sichen 8:40 There in Versiche sich versich Schwiester nicht zu sichen 8:40 There in Versich sich versich 18:000 There in Versich sich versich sich versich sich versich 18:000 There in Versich 1

→ Die methodische Qualität der Tierw suche sei «schlecht».
→ Es seien «starke Hinweise» vorhande dass in Testergebnissen das Ausbleiben warteter Effekte verschwiegen wurde.
→ Die Bedeutung der Tierversuche sei in

tesultaten.

Das drustische Urteil entlockt selbst ler mit sieben Medizinprofessoren besetz en Redaktion des offiziellen Fortbildungs



organs der Ärztevereinigung FMH unge wohnt kritische Töne. Im «Schweizeri schen Medizin-Forum» schrieben sie «Be ahnungslose Bürger nimmt an, dass die Re sultate aus Türversuchen mit jenen aus klin nischen Studien am Menschen mehr ode weniger übereinstimmen.» Doch die Stu die lasse an dieser Meinung zweifeln, «Di übe lasse an dieser Meinung zweifeln, «Di biskrepanzen zeigen, dass der Tierversuch ichts oder nur wenig mit der menschchen Krunkheit zu tun hat.» Bereits im Jahr 2004 hatten Wissenchaftler im «British Medical Journal» eine Juntersuchung veröffentlicht, die der Frage acheine, ob es für den Nutzen von Tier-



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Possible reactions from scientists

- Denial
- Trivialization
- · Hide in the ivory tower
- Frustration
- Confrontation
- · Enter into a dialogue

Origins of the Basel Declaration

- Discussions between Verein Forschung für Leben and the DFG (Deutsche Forschungsgemeinschaft) committee on animal research.
- Meeting "Research at Crossroads" held in Basel, Switzerland on 29-30 November 2010, with ~ 80 scientists and science policy experts
- Meeting attendees addressed the following questions:
 - How is the scientific community contributing to the dialogue within society regarding animal research?
 - How is the scientific community reacting to the skepticism expressed by many regarding the usefulness / need for animal research?
- The Basel Declaration: an Appeal to more trust, transparency and communication in the area of animal research.





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Content Basel Declaration

- Commitment to highest standards in experimental design and animal care (corresponding to current CH level regulations).
- Commitment to and support of the 3R principle.
- Commitment to a greater transparency regarding animal research.
- Commitment to actively promote dialogue about animal research with the public and with other stakeholders, including animal welfare organizations.
- Demand that "society" recognizes that animal experiments are essential for medical progress both now and in the foreseeable future.
- Demand that all stakeholders participate in a constructive dialogue.



What the Basel declaration is meant to be, and what it isn't

- · It is meant to be:
 - A commitment to high ethical standards effort to reclaim the moral high ground.
 - An effort by scientists to constructively participate in a debate on the needs and the limits of animal experimentation in our society.
 - A call to the other stakeholders and to society to also participate constructively in this debate.
- · It is not meant to be:
 - An effort to stave off future legislation in the area of animal experimentations.

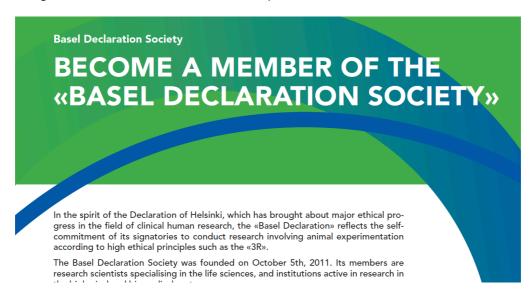




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The Basel Declaration after its founding

Declaration can be signed online (www.basel-declaration.org) in six languages: English, German, French, Chinese, Spanish, Italian



The Basel Declaration: on its way to a global organization

Total > 1440 Individual signers from all over the World, and an increasing number of research institutions and organizations (total ~ 6'000 scientists).





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Effects of the Basel Declaration

Academia

 Raised awareness of the issue of animal experiments within academia, particularly among academic leadership.





Effects of the Basel Declaration

Academia

- Raised awareness of the issue of animal experiments within academia, particularly among academic leadership.
 - January 2013: CRUS publishes joint policy on animal research.
- Sensitized scientists to the need to more proactively communicate about their research.
- Raised interest in investing more into 3R research.

Society

Too early to tell. But your inviting me to give a talk is a good sign. ☺



Contact

Michael Hengartner
Institute of molecular life sciences
University of Zurich
Winterthurerstrasse 190
8057 Zurich
michael.hengartner@imls.uzh.ch