



## Veranstaltungen

### The 2<sup>nd</sup> InterNICHE Conference

Alternatives in the Mainstream: Innovations in life science education and training?

12-15 May, 2005, Oslo, Norway

An exciting and inspiring event at the cutting-edge of educational innovation and practice. The only major international conference on advanced learning tools and alternatives to animal experiments in education. With leading international speakers, multimedia and virtual reality rooms, posters, discussion forum and workshops.

Suitable for teachers and students of medicine, veterinary medicine and biological science; for curriculum designers and learning technologists; for animal ethics committees, policy makers and legislators; for ethicists, animal campaigners and others committed to a progressive, humane education.

#### Program organisers:

Nick Jukes and Siri Martinsen

#### Speakers to include:

Emad Aboud, Prof. of Neurosurgery, University of Arkansas for Medical Sciences, on live surgery practice using perfused human cadavers  
M. A. Akbarsha, Prof. of Animal Science, University of Bharathidasan, on modernising biology education and replacement of dissection  
Jonathan Balcombe, Ethologist, on assessment of alternatives, and on the study of stress and pleasure in animals  
Marc Bekoff, Prof. of Biology, University of Colorado, on ethical education and the human-animal relationship  
Jasmijn de Boo, WSPA and former EURCA project co-ordinator, on reviews and assessment of alternatives  
Hans Braun, Prof. of Physiology, Marburg University, on computer simulation and the link between

alternatives in education and in research

Stephen Brewster, Prof. of Computer Sciences, University of Glasgow, on virtual reality (VR) methods for veterinary clinical skills acquisition

John Callaghan, Director of Development, WSPA, on the teaching of animal welfare

Theo Capaldo, President, on the hidden curriculum in life science education  
David Dewhurst, Director of Learning Technology, University of Edinburgh, on re-useable learning objects (RLOs) and alternatives

Nick Jukes, InterNICHE Co-ordinator, on mainstreaming alternatives for an ethical and effective life science education

Andrew Knight, Veterinarian and President, Animal Consultants International, on successful action for alternatives by students

M. S. A. Kumar, Prof. of Anatomy, Tufts University School of Veterinary Medicine, on the implementation of client donation programs for ethically-sourced animal cadavers

Elena Maroueva, Veterinarian and InterNICHE National Contact for Russia, on change in Russian life science education

Siri Martinsen, Veterinarian and InterNICHE National Contact for Norway, on policies for animal use and alternatives in education

Makiko Nakano, Veterinarian and InterNICHE National Contact for Japan, on student outreach for alternatives in Japanese veterinary education

Marketa Peckova, InterNICHE National Contact for the Czech Republic,

on researching the use of animals and alternatives in the Czech Republic

Monika Percic, InterNICHE Alternatives Loan System co-ordinator, on the use of loan systems to support implementation of alternatives

Tom Regan, Emeritus Prof. of Philosophy, North Carolina State, on academic freedom and ethics  
Jan Sigurd Røtnes, CEO, SimSurgery AS, Oslo, on virtual reality (VR) surgical training and the development of advanced simulation

Adolfo Sansolini, Chief Executive, BUAV, and Vice-President, LAV, on legislation for conscientious objection and alternatives

Garry Scroop, Prof. of Physiology, University of Adelaide, on critical thinking skills and student self-experimentation

Sepehr Shafiezhadeh, pharmacy student and InterNICHE National Contact for Iran, on replacement of animal experiments in Iran

Dan Smeak, Prof. of Surgery, Ohio State University College of Veterinary Medicine, on effective surgery training and the use of models and simulators

Adrian Smith, Co-founder of NORINA and Prof. of Veterinary Medicine, Norwegian School of Veterinary Science, on databases and implementation of alternatives

Barbara Smuts, Prof. of Biopsychology and Anthropology, University of Michigan, on non-invasive field studies in zoology

Thales Trez, Biologist and InterNICHE National Contact for Brazil, on networking and alternatives in Latin America



Norwegian and Swedish virtual reality (VR) simulations for medical surgery training

**Workshops on:**

- Client donation programmes and ethical dissection
- A teacher's guide to implementation
- Cultural obstacles and opportunities for implementation
- Animal rights philosophy
- Conscientious objection
- Empowerment for campaigners
- Experiences of connection with animals
- The role of emotions in life science debate

**Posters are invited:** more details to be announced soon.

**Conference fee before 30 March:**

Delegates from hard currency countries:  
Standard: Euro 120 (NOK 1000, US\$ 150, GBP 80)  
Student: Euro 60 (NOK 500, US\$ 75, GBP 40)

Delegates from soft currency countries:  
Standard: Euro 60 (NOK 500, US\$ 75, GBP 40)  
Student: Euro 45 (NOK 350, US\$ 55, GBP 30)

**Conference fee after 30 March:**

Delegates from hard currency countries:  
Standard: Euro 200 (NOK 1600, US\$ 260, GBP 140)  
Student: Euro 100 (NOK 800, US\$ 130, GBP 70)

Delegates from soft currency countries:

Standard: Euro 90 (NOK 750, US\$ 115, GBP 60)  
Student: Euro 50 (NOK 400, US\$ 65, GBP 35)

Conference fee includes all lectures, multimedia room, workshops, buffet lunches and refreshments.

For registration, contact details and further information, please visit the InterNICHE website [www.interniche.org](http://www.interniche.org)

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## 5<sup>th</sup> World Congress on Alternatives & Animal Use in the Life Sciences

August 21<sup>st</sup> – 25<sup>th</sup>, Berlin, Germany

### Welcome

Dear Colleagues

You will remember the 4<sup>th</sup> World Congress in August 2002 in New Orleans when we met the last time to review progress in the 3Rs. Meanwhile, in 2003 the European Commission has decided to give the 3Rs the highest priority in regulatory testing of cosmetics and existing chemicals. In May 2004 the EU (European Union) expanded from 15 to 25 Member States. Enlargement will enrich the EU through increased cultural diversity and new ideas.

Berlin has a long tradition of science. Today three universities, four art schools and 10 technical schools form an international centre of research and education. Around this nucleus more than 80 public and private research institutions are focusing their activity on solutions for tomorrow. The two university hospitals, the Charité and Benjamin Franklin

medical schools, are maintaining Berlin's unique tradition.

We are inviting you to Berlin in the summer of 2005 to exchange ideas, renew friendships and build new ones. The past World Congresses on Alternatives in Baltimore, Utrecht, Bologna and New Orleans have proven that outside the lecture hall international conferences provide an excellent atmosphere for informal meetings and networking, which is vital in science. The flavour of the new Berlin is a mixture of science, culture, the urbanity and the surrounding forests, the lakes and castles of Potsdam and Brandenburg. We are offering an exciting program. Please plan on joining us with about 600 colleagues at the 5<sup>th</sup> World Congress on the 3Rs in Berlin. We are looking forward to seeing you again and we will work hard to make your stay a memorable one.

Horst Spielmann and Andrew Rowan

### Scientific Committee

**Education**

Miroslav Cervinka (Czech Republic)  
Nicole Duffee (USA)

**Laboratory Animal Welfare & Refinement**

Heinz Brandstetter (Germany)  
Coenraad Hendriksen (The Netherlands)

**Moral Issues of Animals, Alternatives & Public Policy**

Jon Richmond (United Kingdom)  
Martin Stephens (USA)

**Information Systems & Databases**

Carol Howard (USA)  
Barbara Grune (Germany)

**Toxicology, Safety Evaluation & Policy**

Bob Combes (United Kingdom)  
Len Schechtman (USA)



### **Modelling – Concepts & Examples for 3Rs**

Bernward Garthoff (Germany)  
Richard Phillips (USA)

### **Applying New Science & Technology**

Vera Rogiers (Belgium)  
Locksley McGann (Canada)

### **Scientific Secretariat**

- Federal Institute for Risk Assessment (BfR)
- Centre for Documentation and Evaluation of Alternatives to Animal Experiments

e-mail: wc5.zebet@bfr.bund.de

### **Call for Abstracts** **Deadline: April 10, 2005**

### **Themes and Sessions**

The Scientific Committee has identified seven Themes covering all aspects of Alternatives and Animal Use in the Life Sciences. Please, select the most appropriate session or workshop for your presentation.

#### **Theme 1: Education**

1.1 Session:  
Refinement and Reduction Alternatives in Education: Teaching Humane Science

1.2 Session:  
Replacement Alternatives in Education: Animal-Free Teaching

1.3 Workshop:  
Educating the Scientist in Animal Alternatives

1.4 Workshop:  
Educating the Veterinary Professional in Animal Alternatives

1.5 Workshop:  
Multi-Media Exhibits of Alternatives in Education

#### **Theme 2: Laboratory Animal Welfare & Refinement**

2.1 Workshop:  
Environmental Enrichment and Housing Standards

2.2 Session:  
Pain, Welfare & Analgesia

2.3 Session:  
Non-invasive Approaches – New Imaging & Remote Techniques

2.4 Session:  
Non-human Primates- Housing, Enrichment, Positive Reinforcement Training

2.5 Session:  
Specific Animal Models and Refinement

2.6 Workshop:  
Humane Endpoints

2.7 Session:  
Welfare and Refinement of the “Exotic” Laboratory Animal Species

#### **Theme 3: Moral Issues of Animals, Alternatives & Public Policy**

3.1 Session:  
Influencing and Making Public Policy

3.2 Workshop:  
Establishing the 3Rs Principle around the World

3.3 Workshop:  
Forum of National and International Institutions Funding Research according to the 3Rs

3.4 Session:  
Access to Information

3.5 Session:  
Policy Implementation

3.6 Session:  
Ethical Review – Good Practice and Outputs

3.7 Session:  
Horizon Scanning: Nanotechnology, Animals and Alternatives

#### **Theme 4: Information Systems & Databases**

4.1 Session:  
3Rs Databases and Services - Developments Worldwide

4.2 Session:  
Specialized Databases Supporting the 3Rs

4.3 Session:  
Information Retrieval – Search Strategies

4.4 Session:  
New Developments for Search Engines and Computing Projects

4.5 Workshop:  
Search Strategies – User Requirements

#### **Theme 5: Safety Testing, Validation & Risk Assessment**

5.1 Session:  
Strategies for Using Non-animal Methods in Relation to Chemicals Legislation (US: HPV, EU: REACH) and Endocrine Disruptors

5.2 Session:  
New Approaches to Risk Assessment (ESTIV-Symposium)

5.3 Session:  
Progress And Needs for Developing and Validating Alternatives for Dermal Toxicity Testing

5.4 Session:  
Advancements and Needs for Developing and Validating Alternatives for Ocular Irritancy and Corrosivity Testing

5.5 Session:  
In Vitro Approaches for Determining Acute Systemic Toxicity

5.6 Session:  
Progress in Quality Assurance for In Vitro Alternative Studies

5.7 Session:  
Challenges in Food Toxicity Testing

5.8 Session:  
Biologicals and Vaccines: Progress and New Approaches

5.9 Workshop:  
Ecotoxicity – Applying the Three R's

5.10 Workshop:  
Mechanisms of Chemically- induced Ocular Injury and Recovery: Current Understanding and Research Needs

5.11 Workshop:  
Toxicogenomics – Potential, Validation, and Case Studies

5.12 Workshop:  
Strategies for Prioritizing and Streamlining the Validation Process

5.13 Workshop:  
Modelling Long-term Repeat-dose Toxicity

5.14 Workshop:  
Meeting the Challenge of the 7<sup>th</sup> Amendment to the EU Cosmetics Directive

5.15 Workshop:  
Strategies for Metabolism Screening

5.16 Workshop:  
Medical Devices

**Theme 6:  
Modelling****6.1 Session:**

QSAR Approach: Acceptance and Implementation

**6.2 Session:**

Biokinetic Modelling in Silico

**6.3 Session:**

Computational Toxicology

**6.4 Workshop:**

The Contribution of Bio-Statistical Modelling to the 3Rs

**6.5 Workshop:**

New Tiered Testing Strategies

**Theme 7:  
Applying New Science &  
Technology****7.1 Session:**

Stem Cell Technology in Toxicity Testing

**7.2 Workshop:**

Embryonic Stem Cells – from Source to Target Tissue

**7.3 Session:**

Innovative Approaches for Alternative Methods Development

**7.4 Session:**

The Contribution of the “OMICS”-Technology to the 3Rs

**7.5 Session:**

Non-Invasive Techniques for Monitoring and Imaging

(Doerenkamp-Zbinden Symposium)

**7.6 Session:**

Novel Cell Culture Techniques

**7.7 Session:**

Non-Genotoxic Carcinogenicity: Mechanistic Perspectives for Alternatives

**Submitting Abstracts**

1. Abstracts are to be submitted electronically using our abstract registration form. Abstracts submitted by fax, mail or E-mail will not be accepted.
2. Abstracts should be prepared in the standard format (title, author(s), institute(s), introduction, methods,

results, discussion, 250 words maximum).

3. All parts of the abstract must be in English, the official congress language.
4. Submission deadline is April 10, 2005. Authors are kindly asked to send their abstracts as early as possible.
5. All abstracts will be evaluated by the Scientific Committee. Authors will be informed by an official letter of acceptance, which may serve to obtain funding.
6. The final programme will be compiled until July 15<sup>th</sup>, 2005.

**Registration**

To register, please use exclusively our internet registration form.

After reception of payment you will receive a written confirmation of your registration from CTW. Money transfers can be accepted until July 15, 2005 (date of receipt). Later payments have to be done on-site at the congress registration desk.

**Registration Fees****Early Registration**

(until June 18, 2005)

Registration Fee: EUR 475,-

Students\*: EUR 325,-

Accompanying Persons: EUR 250,-

Gala-Diner\*\*: EUR 50,-

**Late Registration**

(after June 18, 2005)

Registration Fee: EUR 525,-

Students\*: EUR 375,-

Accompanying Persons: EUR 300,-

Gala-Diner\*\*: EUR 70,-

\*Students under 30 are eligible when presenting an official confirmation of enrolment at a scientific institution.

\*\*at the ancient glasshouse of the botanical garden, incl. 16% VAT.

**Travel Grants for students  
and scientists from emerging  
countries**

Students, young investigators, and scientists from emerging countries may apply for travel grants which have generously been donated by several sponsors. Travel grants (covering registration fee, hotel accommodation and travel expenses) will be awarded by the Local Organising Committee depending on the decision of the acceptance of an abstract. The deadline for the application for a travel grant is April 10, 2005.

**The Registration Fee includes**

Admission to all scientific events, the opening and closing ceremony, the Get-together on Sunday, the Reception on Monday and the Gala-Diner on Wednesday.

**The Registration Fee for  
Accompanying Persons includes**

The opening and closing ceremony, the Get-together on Sunday, the Reception on Monday, the Gala-Diner on Wednesday, Berlin City Tour. The registration fee does not include accommodation, meals and travel costs.

**Congress Account**

CTW – Congress Organisation Thomas Wiese GmbH

“ACT 05”

Berliner Bank

a/c no.: 3971000901

sorting code: 100 200 00

IBAN: DE 57 1002 0000 3971 0009 01

BIC: BEBEDEBB

All amounts are payable in Euro. All bank charges must be paid by the participant. Please quote the name of the participant on every giro transfer form. The registration fees can also be paid by credit card. American Express, Diners, Visa and Euro-/Mastercard will be accepted.