



# ALTEX

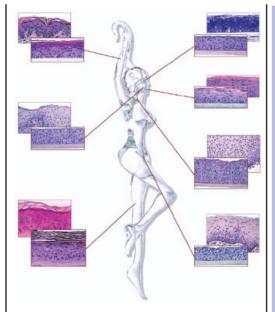
#### ALTERNATIVES TO ANIMAL EXPERIMENTATION

Thomas Hartung:
Food for thoughts ... on
cell culture

Angelo Vedani, Max Dobler,
Morena Spreafico et al.:
VirtualToxLab - in silico
prediction of the toxic
potential of drugs and
environmental chemicals:
evaluation status and
Internet access protocol

Linz 2007 Abstracts of accepted lectures and posters

News / Nachrichten
Proceedings / Tagungsberichte
Comments/Kommentare
Calendar of events /Termine
Imprint/Impressum



#### Chennai 2007

Mohammad A. Akbarsha: Movement to curtail animal dissections in zoology curriculum: review of the Indian experience

Anne de Brugerolle:
SkinEthic laboratories,
a company devoted to
develop and produce
in vitro alternative

methods to animal use

Ulhas S. Gadgil:
Role of simulators in surgical education

Balakrishna Murthy:
Relevance of in vitro
toxicology studies
in risk assessment





#### Dear reader.

you saw right, our 3R logo has taken the space of the Elsevier logo on our cover page, and the good old Spektrum publishing house logo from the nineties has returned to its place bottom centre. We were starting to wonder why the new publishing contract was taking so long. Now we know: we've been sold again. *ALTEX*, BioSpektrum and NeuroForum now belong to the renowned Springer publishing house. We cannot give you any more details yet, as our new publisher has not yet contacted us. But, of course, the owner of *ALTEX* is the society *ALTEX* Edition in Zurich. No matter which company is currently publishing us. From *ATLA* we know that publishing can also work without a publishing house. If the logos on the cover page change too often, we may have to think about that.

Together with this regular issue 3/2007 you are receiving a *Special Issue* of *ALTEX* that we were asked to publish for the 3R Research Foundation Switzerland. We are very proud to have been entrusted with this assignment. Twenty years of this renowned Swiss foundation's research funding, 14 million Swiss francs for alternative methods, are documented in this Supplement. Let us wish the 3R Research Foundation Switzerland another twenty successful years in promoting scientific animal protection.

The first main article in this issue is from the group of Vedani (University of Basel, Biographics Laboratory 3R). The manuscript documents what is currently possible with regard to the prediction of the toxic potential of drugs and chemicals. And that is already very impressive, even if in some paragraphs the thoughts might have hurried ahead into the future somewhat. But what would we be without visions?

One focus in the reporting in this issue is taken by the contributions that were offered in Chennai, India in January 2007. We were especially interested in discovering the opinions of our Indian colleagues. The country with the second highest population count on this earth is in a stormy forward motion. Good to know that the progress of people like Maneka Gandhi and Shiranee Pereira, who insist on the Indian traditions of protection and the inherent value of all creatures, is in good company. We were glad that the French company SkinEthik in India was so well represented with their skin models. The article is not supposed to be surreptitious advertising. We are glad to report in detail on all similar models, as long as they are validated or on their way there. Further manuscripts on the replacement of animal experiments for tolerance studies of cosmetics are welcome.

Many pages of this issue will play an important role in Linz. Thanks to the organisers, we have again succeeded in gathering (almost) all abstracts of the contributions to the Linz Congress. This year, those thanks will also be presented in the form of a cheque, as zet in Linz and the Academy for Animal Protection in Neubiberg will share this year's Doerenkamp-Zbinden Prize. A Medal of Honour will be awarded this year to Günter Verheugen, Vice-President of the European Commission, who will certainly still remember animal protection from his former activities in Germany.

In the news section we are especially pleased that the Chair for Animal Protection in Bern has now been advertised. It would really have been a devastating signal for scientific animal protection if the Vetsuisse faculty had refused this Chair.

The comment on the ESAC Statement in the news section is almost still put too mildly. Do we now need a European Agency for the Validation of Alternative Methods instead of ECVAM? A facility that is directly subject to the Parliament in Strasbourg? And thus freed from the hierarchy of the European Commission? We are confused: words and actions are far removed from each other with regard to alternative methods in the EU. And this at the start of REACH, and not long before the decisive date for important goals of the Cosmetics Directive entering into force. Only recently it was Europe goes alternative. By backtracking? Or how else shall that be accomplished with a dried up ECVAM budget, we ask. Perhaps the freshly selected carrier of the medal, Günter Verheugen, will be able to offer us some words of consolation.

Good news at the end. Horst Spielmann, former professor and director of ZEBET, will receive the *CAAT Recognition Award* 2007 of the *Johns Hopkins School of Public Health* on occasion of the 6th World Congress on Alternatives in Tokyo. We are very happy about this further recognition of our editorial colleague of many years and offer him out heartfelt congratulations.

With warm regards and best wishes for the success of the Linz Congress, to which this issue is especially dedicated

Yours

I.P. Coule

Franz P. Gruber

### ALTEX

### www.altex.ch

#### A quarterly journal for new paths in biomedical science

Official organ of the Middle European Society for Alternative Methods to Animal Testing (MEGAT)

**Bd. 24** (3/2007)

#### **Editor:**

Society ALTEX Edition, Zurich, Switzerland. President: Nina Schweigert (CH-Zürich), Vizepresident: Helmut Appl (A-Wien), Society Board: Thomas Hartung (D-Konstanz), Claudia Mertens (CH-Winterthur), Daniel Favre (CH-Thônex). Secretary and Editor in Chief: Franz P. Gruber (Küsnacht ZH).

#### **Editorial Office:**

Franz P. Gruber (CH-Küsnacht, ZH), Petra Mayr (D-Wuppertal), Carolin Rauter (D-Konstanz) and Horst Spielmann (D-Berlin).

ALTEX Edition, Postfach 2011, CH-8032 Zürich

Tel. +41 (0) 44 380 08 30

Fax +41 (0) 44 422 80 10

e-mail: editor@altex.ch

Lektorat: Irène Hagmann (CH-Zürich) and Sonja von Aulock (D-Konstanz)

#### **Advisory Board:**

Peter Bossard (Horw, Switzerland) Miroslav Cervinka (Hradec Cralove, Czech Republic) Nicole Clemann (Basel, Switzerland) Klaus Cußler (Langen, Germany) Andrzej Elzanowski (Wroclaw, Poland) Friedrich Harrer (Salzburg, Austria) Thomas Hartung (Konstanz, Germany) Jan G. Hengstler (Leipzig, Germany) Jane Huggins (Plainsboro, USA) Marcel Leist (Konstanz, Germany) Coenraad F. M. Hendriksen (Bilthoven, The Netherlands) Claudia Mertens (Winterthur, Switzerland) Brigitte Rusche (Neubiberg, Germany) Walter Pfaller (Innsbruck, Austria) Harald Schöffl (Linz, Austria) Horst Spielmann (Berlin, Germany) Gotthard M. Teutsch (Bayreuth, Germany) Jan van der Valk (Utrecht, The Netherlands) Angelo Vedani (Basel, Switzerland)

#### **ALTEX Online:** www.altex.ch

English summaries: http://altweb.jhsph.edu ALTEX is indexed in MEDLINE, Current Contents®, SciSearch® and ISI Document Solution® and EMBASE.

#### Cover picture:

see article Brugerolle et al. in this issue

#### ALTEX is published with the support of the society members and additional sponsors:

#### Members:

Aerztinnen und Aerzte für Tierschutz in der Medizin, www.aerztefuertierschutz.ch\* Animalfree Research (former FFVFF), www.ffvff.ch\* Deutscher Tierschutzbund, www.tierschutzbund.de\* Doerenkamp-Zbinden Stiftung, www.doerenkamp-zbinden.org\* Erna-Graff-Stiftung f. Tierschutz, www.erna-graff-stiftung.de Fondation Egon Naef, www.fondation-naef.com\* I-CARE, www.icare-worldwide.org Institut für Ethik und Wissenschaft im Dialog der Universität Wien, www.univie.ac.at/ethik/ Ligue Suisse contre la vivisection, www.lscv.ch\* Ligue Vaudoise pour la défense des animaux et contre la vivisection, www.miaou.ch\* MEGAT - Mitteleurop. Gesellschaft für Alternativen zu Tierversuchen, www.zet.or.at/MEGAT/\* Menschen für Tierechte - Tierversuchsgegner Baden Württemberg e.V., www.tierrechte-bw.org Stiftung Biografik Labor 3R, www.biograf.ch\* Stiftung für das Tier im Recht, www.tierimrecht.org Tierschutzbund Zürich, www.tierschutzbund-zuerich.ch\* Vier Pfoten Oesterreich, www.vier-pfoten.at zet, Zentrum für Ersatz- und Ergänzungsmethoden zu Tierversuchen, www.zet.or.at\* Zürcher Tierschutz, www.zuerchertierschutz.ch\*

Personal members:

Bratko Filipič, Slowenia, Franz P. Gruber, Switzerland

#### **Sponsors:**

set, Stiftung zur Foerderung der Erforschung von Ersatz- und Ergaenzungsmethoden zur Einschraenkung von Tierversuchen, www.stiftung-set.de

Layout: H. P. Hoesli, Zurich, Switzerland Print: Stuertz GmbH, Wuerzburg, Germany

#### Distribution:

ALTEX, Schuetzenstr. 14, 78462 Konstanz, Postbox 100125, 78401 Konstanz, Germany, Phone: +49-7531-16614, Mobile: +49-1726272224, Fax +49-7531-25833, e-mail: abo@altex.ch

#### **Publisher:**

Spektrum Akademischer Verlag GmbH. Spektrum Akademischer Verlag ist ein Unternehmen von Springer Science+Business Media.

Edition: 1000

Circulation: 4 times per annum plus supplements

#### **Subscription rates:**

Europe

Private subscribers 75 € Libraries, commercial institutions 150 € Outside Europe Private subscribers 91 € Libraries, commercial institutions 166 €

Subscription rates include costs of shipment (four issues/year) and taxes. Animal welfare organisations, students and subscribers from threshold countries may ask for special subscription rates. Scientific journalists (press card) can apply for a free subscription.

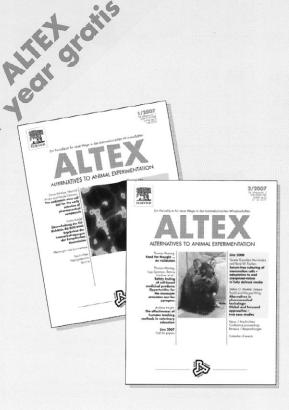
#### Aims and scope

\* These members also are sponsors

ALTEX, edited by the Swiss Society ALTEX Edition is the official journal of MEGAT, the Middle European Society for Alternatives to Testing in Animals. ALTEX is devoted to the publication of research on the development and promotion of alternatives to animal experiments according to the 3R concept of Russell and Burch: Replace, Reduce, and Refine. ALTEX is publishing original articles, short communications, reviews as well as news and comments, meeting reports and book reviews in English and German. Animal experiments are defined by the editors as all experimental procedures using animals which may cause pain, suffering, and emotional harm to animals and which are conducted in testing, research and education or to obtain tissues, organs, and other animal derived products.

Besides covering the biomedical aspects of animal experimentation, ALTEX is also devoted to the bioethics of the complex relationship between man and animals. Articles published in ALTEX should express a basic concern about the dignity of living creatures. ALTEX is not only aimed at developing a new approach to recognise animals as partners but it also intends to introduce a scientific sight in the discussions on animal experiments. Articles devoted to the social and ethical aspects of this topic will, therefore, be judged according to stringent scientific standards, Manuscripts submitted to ALTEX are evaluated by two reviewers. The evaluation takes into account the scientific merit of a manuscript and the contribution to animal welfare and the 3R-principle.

O Copyright: Society ALTEX Edition, Zurich, Switzerland



## Recommend ALTEX to others!

- >>> Because you know how important it is to be up to date with developments in the field of alternative methods.
- >>> Because you know that 3R orientated research needs a forum to be visible.
- And because you know that only a solid subscriber base can ensure the continued existence of ALTEX in the long term.
- Animal welfare organisations, students and subscribers from outside Europe and Eastern European countries may ask for special subscription rates; journalists can order a free press subscription.

# Give ALTEX as a gift

#### Copy and fax or order via internet: www.altex.ch Order of a normal subscription (75 €), student subscription (35 €), institution, company or library subscription (150 €) New: The price now includes postage (4 issues within Europe) and VAT. Subscription Service and Distribution: ALTEX, Postfach 100125, D-78401 Konstanz, Germany, abo@altex.ch My address: Yes, I have recommended ALTEX to a friend. Please send the next four issues of ALTEX to the following Surname address. As soon as the new subscriber settles his bill, I will receive a year's subscription for free! First name Postal address Date/Signature Postal code/Town/Country Yes, I would like to give ALTEX as a gift. New subscriber: Please send the next four issues of ALTEX to the following Surname address. I will not be billed for the first year, only for the second and following years. First name Date/Signature Postal address Postal code/Town/Country I can revoke the subscription by fax within 14 days. Fax (Switzerland): +41-44 422 8010 +49-7531 25833 Fax (Germany): Date/2<sup>nd</sup> signature:

In general, any subscription for the following year can be cancelled by 15 November. Fax or e-mail an informal cancellation to **abo@altex.ch**.