**Editorial**

Franz P. Gruber

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**Workshop Report**

21st Century Validation Strategies for 21st Century Tools:

Joanna Jaworska and Sebastian Hoffmann:
Integrated Testing Strategy (ITS) – opportunities to better use existing data and guide future testing in toxicology

Kim Boekelheide and Melvin E. Andersen:
A mechanistic redefinition of adverse effects – a key step in the toxicity testing paradigm shift

Thomas Hartung:
Evidence based-toxicology – the toolbox of validation for the 21st century?

Daniel R. Dietrich:
Courage for simplification and imperfection in the 21st century assessment of “endocrine disruption”

Deborah Rudacille:

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**Main Article**

Thomas Hartung:
Comparative analysis of the revised Directive 2010/6106/EU for the protection of laboratory animals with its predecessor 86/609/EEC – a t4 report

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**Short Communication**

Laura Ducceschi, Nicole Green and Crystal Miller-Spiegel:
Dying to learn: the supply and use of companion animals in U.S. Colleges and Universities

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**Food for Thought**

Marcel Leist, Liudmila Efremova and Christiaan Karreman:
Food for thought ... considerations and guidelines for basic test method descriptions in toxicology

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**Conference Report**

Linz 2010: Session Nanotoxicology

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**News**

EU: EU plans to delay ban of animal experiments for cosmetics
EU: Research animal use holds steady
UK/USA: ATLA gets ARDF award
USA: News from NICEATM and ICCVAM
USA: NIH statement regarding stay of stem cell injunction
USA: CAATfeed

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**Calendar of events**

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**Guidelines for authors**

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**Imprint**

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