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**Pressegespräch anlässlich des Symposiums  
„Organotypic Tissue Culture for Substance Evaluation“  
23. September 2009, 13:15 Uhr  
Kongresshotel Potsdam am Templiner See**

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**Organe aus dem Reagenzglas –  
Eine Alternative zu Tierversuchen?**

Statement  
Dr. Christa Burger  
Protein and Cell Science, Merck KGaA, Darmstadt

Es gilt das gesprochene Wort!

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There is a growing need for human organs or organ like material not only to treat human diseases but even more to predict the mode of action and safety of compounds. We see a great need for good characterized, high quality organ like material for first line toxicology and pharmacokinetic studies as well as for the field of screening. For the search of disease relevant targets as well as for high throughput screening and secondary screening the possibility to use physiologic relevant material would be a great step ahead. Availability of such material would help to predict the potential of compounds earlier in drug development and would help to save time, animals and resources.

At this point, the available organ like cell materials and devices are not fully characterized, difficult to handle, show limited reproducibility and are expensive.

Efforts to improve the basic cell technologies, cell analytic and the search for new, more reproducible cell sources and devices is needed and would be a good investment for the future.