

## Editorial:

### EXPERIMENTAL AND CLINICAL SCIENCES: AT INTERFACE TO TOXICOLOGY

J.G. Hengstler

Leibniz Research Centre for Working Environment and Human Factors (IfADo), Ardeystrasse 67, 44139 Dortmund, Germany

E-mail: [hengstler@ifado.de](mailto:hengstler@ifado.de), Telephone: +49 231-1084-348, Fax: +49 231-1084-403

EXCLI Journal is still a relatively new journal and ongoing development is required to continuously improve its quality. We currently cooperate with several partner journals, including the Archives of Toxicology. Toxicology, the study of the adverse effects of chemicals on cells and living organisms, represents an interdisciplinary science that requires both expertise on the chemical nature of the studied compounds and knowledge of the normal cellular mechanisms that can be compromised by toxic compounds (Bolt and Stewart, 2009). Therefore, toxicological journals, such as the Archives of Toxicology and the EXCLI Journal, sometimes find themselves in uncharted territory as they attempt to bridge disciplines that comprise basic, applied, and clinical sciences. Often a clear demarcation line does not exist. In general, the Archives of Toxicology publish articles concentrating on chemicals and their interactions with cells, whereas clinical aspects are addressed by the EXCLI Journal. To give our readers an overview of the recent developments in Toxicological sciences, we are publishing a series of short summary articles on several cutting-edge topics, namely metal toxicity (Beyersmann and Hartwig, 2008; Verstraeten et al., 2008; Glahn et al., 2008; Manna et al., 2008), carcinogenesis and genotoxicity (Kehe et al., 2008; Florl and Schulz, 2008; Khalil et al., 2008; Dorn et al., 2008), drug metabolism and enzyme induction (Pelkonen et al., 2008; Thum and Borlak, 2008; Settels et al., 2008; Westerink et al., 2008), oxidative stress (Mates et al., 2008; Adam and Laufs, 2008; Nishimura et al., 2008; Sivalingam et al., 2008) and in vitro systems in toxicology (Lilienblum et al., 2008; Fabian et al., 2008; Schug et al., 2008; Reichl et al., 2008). The summary articles will be concise, written for an interdisciplinary audience, and supplemented with tables that include the take-home messages from key publications.

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