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## 1. PEER REVIEWED PAPERS / ORIGINALARBEITEN

### 2016

Fröhlich M, Jaeger A, Weiss DG, Kriehuber R. Inhibition of BCL-2 leads to increased apoptosis and delayed neuronal differentiation in human ReNcell VM cells in vitro. *Int J Dev Neurosci*. 2016; 48: 9-17, doi: 10.1016/j.ijdevneu.2015.10.004. [Epub ahead of print Nov. 9 2015]

### 2015

Jaeger A, Fröhlich M, Klum S, Lantow M, Viergutz T, Weiss DG, Kriehuber R. Characterization of apoptosis signaling cascades during the differentiation process of human neural ReNcell VM progenitor cells in vitro. *Cell Molec Neurobiol* 2015; 35: 1203-1216 (IF=2,2)

Pomponio G, Zurich MG, Schultz L, Weiss D.G., Romanelli L, Gramowski-Voss A, Di Consiglio E, Testai E. Amiodarone biokinetics in brain cell cultures and the formation of its major oxidative metabolite after repeated exposure. *Toxicology in vitro* 2015; 30: 192-202, published ahead of print online February 7, 2015; (IF=3,04)

Bellwon P, Culot M, Wilmes A, Schmidt T, Zurich MG, Schultz L, Schmal O, Gramowski-Voss A, Weiss DG, Jennings P, Bal-Price A, Testai E, Dekant W. Cyclosporine A kinetics in brain cell cultures and its potential of crossing the blood-brain barrier. *Toxicology in vitro* 2015; 30: 166-175, published ahead of print online February 12, 2015 (IF=3,04)

Schultz L, Zurich M-G, Culot M, Fabulas-da Costa A, Landry C, Bellwon P, Kristl T, Hörmann K, Ruzek S, Aiche S, Reinert K, Bielow C, Gosselet F, Cecchelli R, Huber CG, Schroeder O H-U, Gramowski-Voss A, Weiss DG, Bal-Price A. Evaluation of drug-induced neurotoxicity based on metabolomics, proteomics and electrical activity measurements in complementary CNS in vitro models. *Toxicology in Vitro* 2015; 30: 138-165 + Supplementary material online 35 p., published ahead of print online May 27 2015 (IF=3,04)

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Rharass T, Lemcke H, Lantow M, Kuznetsov SA, Weiss DG, Panáková D. Ca<sup>2+</sup>-mediated mitochondrial ROS metabolism augments Wnt/ $\beta$ -catenin pathway activation to facilitate cell differentiation. *J Biol Chemistry* 2014; 289: 27937-27951. DOI: jbc.M114.573519 (IF=4,651)

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Baumgart T, Klautke G, Kriesen S, Kuznetsov SA, Weiss DG, Fietkau R, Hildebrandt G, Manda K. Radiosensitizing effect of Epothilone B on human epithelial cancer cells. *Strahlenther Onkol* 2012; 188: 177-184 (IF=4,163)

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## **6. ABSTRACTS / KURZBEITRÄGE**

Approx. 300 contributions between 1975 and today.

Ca. 300 Beiträge aus den Jahren 1975 bis heute.

## **7. PATENTS / PATENTE**

Loock J, Mitzner S, Weiss DG, Schiffmann D, Gross GW. "Verfahren zur Differentialdiagnostik und Therapiekontrolle komatöser Zustände aufgrund endogener oder exogener Intoxikationen mit Hilfe des Effektes von Blutinhaltsstoffen auf neuronale Netzwerke". (internationale Patentanmeldung PCT/DE 02/1609). erteilt