



gegründet 1808

Societas physico-medica Erlangensis

Vorstand:

Prof. Dr. med. C. Bogdan
Prof. Dr. Dr. h. c. W. Kalender, PhD
Prof. Dr.-Ing. Dr. rer. med. U. Hoppe
Prof. Dr. med. Dr. h. c. K.-H. Plattig



Die Physikalisch-Medizinische Sozietät Erlangen und die Emerging Fields Initiative „Medicinal Redox Inorganic Chemistry“

lädt Sie zu folgendem Vortrag ein:

The therapeutic effects of Mn porphyrins in radiation, cancer and central nervous system injuries

Professor Ines Batinic-Haberle, Ph.D.

Duke University, Durham, USA
E-Mail: ibatinic@duke.edu

Oxidative stress, the redox imbalance between cellular reactive species and endogenous antioxidant defenses, is common to numerous diseases, including cancer. Today, the activity of superoxide dismutases, natural proteins that catalytically dismutate the superoxide anion, can efficiently be mimicked by various compounds including Mn porphyrins. Their accumulation in mitochondria and their ability to cross the blood-brain barrier contribute to their remarkable efficacy as therapeutic agents in cancer, central nervous system injuries, diabetes, stroke, pain and radiation injury. Professor Ines Batinic-Haberle will give an insight into her field of expertise in designing Mn porphyrin based drugs some of which successfully patented and examined in clinical trials.

Ines Batinic-Haberle is an associate professor at the Department of Radiation Oncology at Duke Medical Center in Durham, North Carolina. In addition, she holds a leadership position at the Chair of the Council of the Society for Free Radical Biology Medicine and serves as visiting professor at the Department of Bioinorganic Chemistry at the Friedrich-Alexander-Universität Erlangen-Nürnberg. Dr. Batinic-Haberle studied chemistry and biochemistry in Zagreb, Croatia at the School of Pharmacy and Biochemistry. After completing her PhD in 1988 and performing research at the Department of Chemistry in Zagreb for three years, she joined the Department of Chemistry at Duke University in Durham, NC in 1991. Professor Batinic-Haberle's research on the effects of oxidative stress and the chemistry, biology and pharmacokinetics, pharmacology of Mn porphyrins and a broad range of topics from engineering to immunology has been documented in over 150 peer-reviewed journal articles, 7 patents, and over 155 invited lectures. Furthermore, Professor Batinic-Haberle serves as editor and on the editorial advisory boards of several scientific journals.

Dienstag, 11. Dezember 2012, 17.15 Uhr

(45 Minuten Vortrag plus Diskussion)

Veranstaltungsort:

Seminarraum des Instituts für Klinische Mikrobiologie, Immunologie und Hygiene, Wasserturmstraße 3/5, 1. Stock
(Zugang: rückwärtiger Hörsaalzugang gegenüber der Orangerie)

Für Rückfragen wenden Sie sich bitte an:

Prof. Dr. med. Christian Bogdan

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