

June 27th - 30th 2017, Hotel Wyndham Grand Axelmannstein, Bad Reichenhall, Germany

SCOPE OF THE CONFERENCE

The goal of health research is to improve medical care and quality of life for the population. In the future individually tailored options for prevention and treatment will play a vital role, but it will also be important to better understand the role of metabolic syndromes for the major common diseases. Understanding complex biological processes requires the use of the full scientific and analytical methods available. Particularly strong are methods that offer insight into the structure and the dynamics at the molecular scale of the processes involved. The application of neutron scattering and neutron radiation to health and life sciences is often lesser known but neutrons target very specific problems and reveal unique information.

This conference covers major topics of neutron scattering and neutron radiation for health ranging from diagnosis and treatment of diseases, protein folding, enzyme behaviour, cell-membrane interactions, new drug targets and drug-delivery systems, antibiotic resistance, implants and biocompatible materials, tissue regeneration, cancer diagnosis and therapy, radiopharmaceuticals as well as medical applications and treatments.

The international conference “Neutrons for Health” targets scientists from all these areas of health and medicine. It will emphasize the use of neutron scattering, spectroscopy and irradiation as analytical tools for the characterization and understanding of biological systems and development and applications in medical treatments.

TOPICS

- Radioisotopes for Diagnostics
- Boron Capture Therapy
- Neutron Irradiation Therapy
- Structural Biology
- Biomembranes
- Skin Models
- Drug Delivery Systems
- Drug Interaction
- Implants
- Materials in Medicine
- Aggregation Phenomena in Diseases
- Signalling
- Crowding

DATES

Registration opens	February, 10 th
Early bird registration	March, 15 th
Registration closed	May, 31 st

Abstract submission opens	February, 10 th
Abstract submission deadline	March, 31 st
Abstract Notification	April, 20 th

CONTACT

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