



Einladung

zu dem am Donnerstag, dem 11. Mai 2023, ab 14 Uhr
im Kurt-Alder-Hörsaal
Chemische Institute, Greinstraße 6

stattfindenden öffentlichen

wissenschaftlichen Vortrag zur Habilitation

Institut für Anorganische Chemie (Fach: Anorganische Chemie)
von

Dr. Hajar Maleki

über das Thema

Hydrogen: A Therapeutic Drug

The inherent biosafety of hydrogen (H₂) makes it an attractive treatment option for multiple diseases. Recent studies on animal models and clinical trials have revealed the antioxidant, anti-inflammatory, and anti-tumor functions of H₂. However, since the ingestion and inhalation of H₂ are technically very challenging and inefficient, it is necessary to design approaches for targeted H₂ delivery through precision medicine. By designing ultrasmall nanoparticles as H₂ gas nanocatalysts or nanogenerators and their active and passive targeting possibilities, H₂ gas can be selectively and efficiently generated or released in the disease sites with enhanced therapeutic effects with minimum damage to the normal cells. In this talk, I will unravel the combining of H₂ therapy with various nanomaterials as an exciting approach for the future treatment of different types of diseases.

G. Bareth
Dekan