Julietta V. Rau, PhD

Director of Research and Head of the Laboratory and Research Group at the Institute of the Structure of Matter (ISM) of the Italian National Research Council (CNR).

She is the author of more than 250 articles published in international peer-reviewed journals, about 180 conference presentations, and over 60 invited, plenary, and keynote lectures at international conferences. She is also co-inventor of three international patents. Her current H-index is 49, with around 7,000 citations according to Google Scholar.

https://scholar.google.it/citations?user=orvFyq4AAAAJ&hl=it)).

https://www.webofscience.com/wos/author/record/E-6598-2017

http://orcid.org/0000-0002-7953-1853

https://www.researchgate.net/profile/Julietta_Rau

Dr. Rau has received several international awards in recognition of her scientific achievements.

She is Chair and organizer of the biennial BioMaH – Biomaterials and Novel Technologies for Healthcare International Conference (https://biomah2026.it) and serves as a member of the International Scientific Committees of several conferences in the fields of Materials Science, Nanoscience, Biomaterials, and Medical Devices.

She is the Italian Ambassador for the European Orthopaedic Research Society and has been awarded Honorary Membership by the Romanian Society for Biomaterials.

Dr. Rau is currently Associate Editor of the journals Bioactive Materials and Frontiers in Biomaterials Science, and serves on the Editorial Boards of Frontiers in Bioengineering and Biotechnology, Scientific Reports, Coatings, In Vitro Models, Journal of Advanced Drug Delivery Research, Drug Design, Development and Therapy, EC Orthopaedics, and The Open Biomedical Engineering Journal.

Her current research interests focus on innovative biomaterials for regenerative medicine, orthopaedics, and dentistry, including calcium phosphates and bioactive glasses for tissue engineering applications. She is also developing antibacterial surfaces for orthopaedic and dental implants. In addition, her research activities involve novel imaging approaches for cancer diagnostics, as well as biodegradable alloys and coatings.