

**Julietta V. Rau** (Dr, PhD) is currently Principal Investigator, Head of the laboratory and research group at the Institute of the Structure of Matter of the Italian National Research Council (ISM-CNR, Rome, Italy) and Associate Professor at the Sechenov First Moscow State Medical University (Moscow, Russia). She is the author of more than **160 publications in International Journals** and about **30 presentations as Invited and Keynote talks** at International Conferences. She received several international awards for her research achievements. Her present **H-index is 30** (Google Scholar). She is the **CHAIR** and organizer of the biennial **BioMaH “Biomaterials for Healthcare” International Conference** (<https://biomah.ism.cnr.it>) and the Member of the International Scientific Committees of various International Conferences in the field of Materials Science, Nanoscience, Biomaterials and Medical devices.

*She is Associate Editor of the Bioactive Materials journal and the Member of the Editorial Boards of Nature Scientific Reports, Coatings MDPI, FRONTIERS in Bioengineering and Biotechnology (Journal of Tissue Engineering and Regenerative Medicine), EC Orthopaedics, The Open Biomedical Engineering journal, Journal of Advanced Drug Delivery Research –MEDCRAVE, Drug Design Development & Therapy –MEDCRAVE.*

She is the Reviewer of numerous international journals.

She is supervisor of numerous student and PhD student diploma works; supervisor of International fellowships.

Her present research interests regard biomaterials and novel technologies for healthcare, innovative biomaterials for regenerative medicine, among them calcium phosphates and glass-ceramics based materials for tissue engineering applications. Her recent publications are dedicated to bioactive nanostructured coatings of innovative composition for orthopaedic and dental implant applications and cements for bones, cranial-facial surgery and dentistry applications. She is also involved and interested in research projects dedicated to Raman spectroscopy applications in biomedicine and novel imaging approaches for cancer diagnostics.

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