

Gordana Vunjak-Novakovic is University Professor, as the first engineer to ever hold this highest academic rank at Columbia University that is reserved for only a few active faculty. She is also the Mikati Foundation Professor of Biomedical Engineering, Medical Sciences and Dental Medicine, and a faculty in the Irving Comprehensive Cancer Center. She directs the Laboratory for Stem Cells and Tissue Engineering, the NIH-funded Tissue Engineering Resource Center, and Columbia's Center for Dental and Craniofacial Research.

The focus of her lab is on engineering functional human tissues for use in regenerative medicine and patient-specific "organs-on-a-chip" for studies of human pathophysiology. From these studies, she published 3 books and over 500 journal articles, including those in *Nature*, *Cell*, *Nature Biotechnology*, *Nature Medicine*, *Nature Biomedical Engineering*, *Nature Communications*, *Nature Cardiovascular Research*, *Nature Protocols*, *Journal of Clinical Investigation*, *Science Advances*, *PNAS*, *Cell Stem Cell*, and *Science Translational Medicine*. She is a highly cited investigator (top 1%) and gave over 500 invited talks.

The research in her lab is highly translational. With her students, she has over 110 licensed, issued, published and pending patents and founded five biotech companies. She is one of the Foreign Policy's 100 Leading Global Thinkers for 2014, recipient of the annual inventor award of the European Patent Office (2021), one of the "Power 50" in the New York State (2021) and one of the BIOS Top 50 Academic Life Science Entrepreneurs (2022).

Dr Vunjak-Novakovic is a Fellow of the Biomedical Engineering Society, a Fellow of the American Association for the Advancement of Science, and a Founding Fellow of the International Society for Tissue Engineering and Regenerative Medicine.

She was inducted into the Women in Technology International Hall of Fame "for developing biological substitutes to restore, maintain or improve tissue function", and received the Clemson Award of the Biomaterials Society "for significant contributions to the literature on biomaterials", the Pritzker Award of the Biomedical Engineering Society, the Shu Chien Achievement Award. She received the Jensen Tissue Engineering Award, recognizing "an individual anywhere in the world for sustained scientific contributions, translational impact towards clinical realization and professional distinction in the field of tissue engineering and regenerative medicine."

She gave the Director's lecture at the NIH, as the first woman engineer to receive this distinction, and received the 2019 TERMIS award for innovation and commercialization, Pierre Galletti Award of the American Institute for Medical and Biological Engineering, and the Lifetime Achievement Award of the Tissue Engineering and Regenerative Medicine Society. She was decorated by the Order of Karadjordje Star - Serbia's highest honor.

She has served on the Council of the National Institute for Biomedical Imaging and Bioengineering (NIBIB), as Chair of the College of Fellows of the AIMBE, on the Scientific Review Board of the Howard Hughes Medical Institute, and on numerous Editorial Boards, Advisory Boards and Boards of Directors.

She was elected to the New York Academy of Sciences, Academia Europaea, the Serbian Academy of Sciences and Arts, the USA National Academy of Engineering (the first women faculty at Columbia University), the USA National Academy of Medicine (the first engineer at Columbia University), the USA National Academy of Inventors, the International Academy of Medical and Biological Engineering, the American Academy of Arts and Sciences, and the Royal Society of Canada – Academy of Science.

She is most proud of the accomplishments and leadership of her 250 trainees.