



Arben Merkoçi is currently ICREA Professor and director of the Nanobioelectronics & Biosensors Group at Institut Català de Nanociència i Nanotecnologia (ICN2), part of Barcelona Institute of Science and Technology (BIST). After his PhD (1991) at Tirana University (Albania), in the topic of Ion-Selective-Electrodes (ISEs) Dr. Merkoçi worked as postdoc and senior researcher/invited professor in the field of nanobiosensors and lab-on-a-chip technologies in Italy, Spain, USA and since 2006 at ICN2.

Prof. Merkoçi research is focused on the design and application of cutting edge nanotechnology and nanoscience based cost/efficient biosensors. The paper/plastic-based nanobiosensors involve integration of biological molecules (DNA, antibodies, cells and enzymes) and other (bio) receptors with micro- and nanostructures/motors and applied in diagnostics, environmental monitoring or safety and security. He has published around 280 peer review research papers, supervised 27 PhD students and has been invited to give plenary lectures and keynote speeches in around 150 occasions in various countries.

Prof. Merkoçi is Editor of Biosensors and Bioelectronics, the principal international journal devoted to research, design development and application of biosensors and bioelectronics, member of editorial board of Electroanalysis, Microchimica Acta and other journals. He is also involved in teaching PhD courses in field of nanomaterials based biosensors in several Spanish and international centres, has been member of commission for establishing of the new Nanoscience and Nanotechnology undergraduate academic curricula at UAB, the first one in Spain started during the academic year 2010-2011 and currently acts as coordinator of “Nano for Diagnostics” master module at UAB. He is currently member of the Academics Working Group of BIST. Prof. Merkoçi has supervised 25 PhD students besides several national & international postdoctoral and other researchers in his lab and has been member or head of more than 30 PhD panels in various countries. He has got several national and international grants related to nanomaterials application in biosensors and his group is collaborating with several worldwide leading labs in the field of nanobiosensors. Prof. Merkoçi serves also as scientific evaluator and member of panels of experts of various international governmental and nongovernmental agencies (FP EU, USA, various EU and other countries), member of scientific committee of various international congresses, director of several workshops and other scientific events.

He is co-founder of two spin-off companies, PaperDrop dedicated to nanodiagnostics and Graphenicalab to electronic printing.