

Short CV: Ursula Grohmann

Ursula Grohmann, Pharm.D. (Pharmaceutical Chemistry and Technology) and Ph.D. in Experimental Medicine, has been working at the Pharmacology Section of the Department of Experimental Medicine (DEM; University of Perugia, Italy) since 1986, first as post-doc fellow, then as senior researcher and associate professor. Since 2006, she has been appointed as full professor of Pharmacology at DEM, University of Perugia, and, since July 2014, as Visiting Professor at the Albert Einstein College of Medicine, New York, NY (<http://www.einstein.yu.edu/faculty/14465/ursula-grohmann/>). In 1987-88 and 1990, she accomplished part of her research project at the National Cancer Institute, National Institutes of Health, Bethesda, MD under the supervision of Drs. Michael Mage and Ettore Appella. In 2001, with other members of the DEM Pharmacology group, she discovered a crucial immunosuppressive role in tumor immunity for the enzyme indoleamine 2,3-dioxygenase 1 (IDO1) expressed by dendritic cells. Since then, she continued to study many aspects of IDO1's biology not only in experimental tumor systems, but also in autoimmune and metabolic diseases, allergy, and chronic inflammation. In 2011, she discovered that IDO1 is not just an enzyme catabolizing tryptophan but also a signaling molecule capable of reprogramming dendritic cells towards an immunoregulatory profile. Grohmann's group currently constitutes one of the top world leaders in research related to IDO1 and immune regulation. She is author of more than 130 published articles in extenso appearing in the NCBI database and inventor of two patents. The H index of her global career is equal to 51 (Google Scholar), with more than 12,800 citations, and her name is included in the list of Top Italian Scientists in the world. She has been and is the principal investigator of several national and international projects, including the ongoing Dynamics of IDO, awarded by the European Research Council (ERC; years 2014-2019). She has been recently awarded as Top Italian Woman Scientist 2016 (<http://www.ondaosservatorio.it/cerimonia-top-italian-women-scientists-2016/>) and has recently joined the Academy of Sciences of Umbria. She is a member of several scientific societies, including the international European Macrophage & Dendritic Cell Society and American Association of Immunologists, and is an active reviewer of national and international grants as well as outstanding journals, including Nature Medicine, Science Translational Medicine, Immunity, Science Signaling, Journal of Clinical Investigation, EMBO Journal, among many others. She is the president of the Bioethical Committee of the University of Perugia and the Official Research Delegate of DEM.