

GUEST EDITOR

Mitochondria in cancer

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Guido Kroemer currently serves as a Research Director at the French Medical Research Council (INSERM), affiliated to the French National Research Council

(CNRS), at the CNRS Research Unit UMR8125, located in Villejuif, near to Paris, France. Before joining the INSERM/CNRS (1993), Dr Kroemer was a Senior Scientist of the European Community at the Spanish National Research Council (CSIC), at the National Center of Molecular Biology (1990–1992) and at the National Center of Biotechnology (1993). Dr Kroemer did his post-doctoral training in the Collège de France, Nogent-sur-Marne (1988–1989) and at the University of Innsbruck, Austria, after receiving his PhD/MD degree at the same University in 1985. He also holds a PhD in Biology (Autonomous University of Madrid, 1992). Guido Kroemer's team discovered in 1994 that mitochondrial membrane permeabilization is a critical step in programmed cell death (apoptosis). According to the Institute for Scientific Information, Guido Kroemer has been the most cited European scientist during the last 10 years, in the area of Clinical Medicine, and the third most cited scientist, worldwide, in area of General Biomedicine. His current research focuses on the relationship between genomic instability and disabled apoptosis in cancer, as well as on the molecular mechanism of cancer cell apoptosis, its pharmacological manipulation and its exploitation for tumor vaccination. Guido Kroemer's group receives a special grant from the Ligue Nationale contre le Cancer.