



G rard LIZARD is an INSA-Lyon biochemist engineer, DEng in Molecular and Cellular Biology and PhD in Human Biology. He is habilitated to supervise research. G rard LIZARD has been postdoctoral researcher in the pharmaceutical industry from 1984 to 1991. He was recruited to Inserm in 1991. He was one of the first researcher to develop flow cytometry and to work on cell death by apoptosis in atherosclerosis. This led him to demonstrate that certain oxidized derivatives of cholesterol (called oxysterols, especially 7-ketocholesterol and 7beta-hydroxycholesterol), which are major constituents of oxidized lipoproteins, induce a

mode of cell death by oxiaoptophagy (oxidative stress, apoptosis and autophagy). Since 7-ketocholesterol and 7-beta-hydroxycholesterol are also identified at increased concentrations in patients with cardiovascular diseases, the retina of patients with age related macular degeneration, the cortex of Alzheimer's patients and the plasma of sarcopenic patients, G rard LIZARD has gradually oriented his research on aging and the pathophysiology of age-related diseases, in the context of biogerontology, by focusing on the lipotoxicity of oxysterols and the impact on mitochondria and peroxisome. This research activity has led to the identification of natural and synthetic molecules inhibiting oxyapoptophagy in the context of the prevention and treatment of age-related diseases. G rard LIZARD has supervised 20 doctoral PhD theses, 20 masters and 3 post-docs and contributed to around 30 clinical studies. Since 1994, G rard LIZARD has important research and teaching relations with several European countries but also with the Maghreb, in particular Morocco and Tunisia, and the Middle East. He is also a founding member of the European Network for Oxysterol Research (ENOR). He is currently the author of 276 publications and several books. Since 2012, G rard LIZARD, Inserm researcher, is director of the Biochemistry Laboratory "Peroxisome, Inflammation and Lipid Metabolism" from the University de Bourgogne (Dijon, France).