

Prof. Dr. Tilman Grune

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Foto: Antje Lenz von Kolkow / Faceland Berlin

Tilman Grune, born 1962, studied 'Medical Biochemistry' in Moscow. After research positions at the Humboldt University Berlin, he was Professor and Head of the Free Radical Laboratory, Research Institute of Environmental Health, Duesseldorf; Head of the Department of Biofunctionality and Safety of Food in the Institute of Biological Chemistry and Nutrition, University of Hohenheim/ Stuttgart; and Head of the Department of Nutritional Toxicology in the Institute of Nutrition, Friedrich Schiller University Jena. Since 2014, he is Scientific Director of the German Institute of Human Nutrition Potsdam-Rehbrücke and Full Professor at the University of Potsdam.

His research interests are oxidative damage and modification of macromolecules in (aging) cells and the effects of nutritional components on these processes, in particular

- (1) The investigation of functional consequences of the formed age-related protein aggregates. The aim is to find out how cells cope with oxidatively damaged and modified proteins or lipids, and how nutrition can positively influence the systems involved in repair and detoxification.
- (2) Investigation of the biochemical processes and biological implications of protein nitration which accompany a number of pathological as well as aging processes.
- (3) Study of non-enzymatic protein modification.