



Dr Dragan Milenkovic

Dragan Milenkovic is Associate faculty Researcher at the department of Nutrition at University of California Davis, Davis, CA, USA. He received his master's degree in genetics and molecular modelling from University of Paris, France, and his PhD from University of Versailles, France, in molecular genetics. His research aims to demonstrate effects of macronutrients and micronutrients, particularly polyphenols, on vascular function and development and/or prevention of cardiovascular and neurodegenerative diseases. The projects also aim to identify variability in responsiveness to intake of these nutrients and identify factors involved, such as gender, age, health status or genetic polymorphism.

His projects use translational research approach involving in-vitro studies, animal models and clinical trials.

Dr Milenkovic's second significant axe of research aim to decipher detailed molecular and cellular mechanisms of actions underlying observed effects using multi-genomic and bioinformatic approaches. He uses integrated and systems biology to incorporate results from genomics studies, including modifications in expression of gene (protein coding and non-coding like microRNAs, long non-coding RNAs, short non-coding RNAs), protein, epigenetics as well as in-silico docking studies to evaluate interaction between polyphenol metabolites and cell signalling proteins.