

Special Issue

Biomarkers and Drug Targets for Longevity

Message from the Guest Editor

There has recently been high interest in all kinds of biomarkers and interventions that might help to evaluate expected lengths of lives and make it possible to extend lifetimes. On the one hand, our knowledge on the prediction of life expectancy seems to be increasingly accurate with the possibility of evaluating concrete biomarkers like telomere length, mitochondria activity and functions, changes in microvascular circulation, microbiome, advanced glycation end products, glycans, and whole-genome analysis. On the other hand, many inconsistencies remain in how to interpret these parameters correctly and, in particular, how they will be affected by concrete and dedicated interventions.

Lifestyle factors such as a healthy diet and physical activity play a crucial role in healthy aging. Lifestyle changes can have major effects on molecular biomarkers, mitochondrial activity, or white blood cell telomere length (LTL). This Special Issue will cover all molecular aspects of promoting longevity, aiming to provide further knowledge on new molecular targets, biomarkers, lifestyle improvement, and other interventions that might help to predict and improve the lifespan.

Guest Editor

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