

Professor P. Eline Slagboom obtained M.Sci in Biology in 1987 and the Postdoctoral degree in biochemistry in 1993. Between 1993 and 2000 Slagboom worked at the Department of Vascular and Connective Tissues Research at the Gaubius Laboratory, TNO Prevention and Health, The Netherlands. She initiated a unit for genetic epidemiological studies aimed at the identification of genetic determinants of multi-factorial diseases.

In 2000 Slagboom was appointed as [professor of Molecular Epidemiology](#) at the Leiden University Medical Center (LUMC). She established a new section of Molecular Epidemiology and a Genotyping Center (staff now 30 fte). Focus of the research in the past 10 years is on genetic, epigenetic, transcriptomic and metabolomic studies of healthy/unhealthy ageing and longevity in humans. These studies focus on metabolic disease and osteoarthritis and the metabolic component in healthy ageing. A diversity of human cohorts with unique study designs is being analysed for this purpose. Among these the Dutch Hungerwinter cohort to investigate late consequences of prenatal adverse conditions.

Slagboom is co-founder of the Research on Ageing at LUMC supported among other foundations by NCI. Together with Prof. R.G.J. Westendorp she initiated and heads the Leiden Longevity Study (Leiden LangLeven Studie). She initiated a research cohort of Osteoarthritis patients (GARP; Genetica, Artrose en Progressie) together with Dr M. Kloppenburg and Dr I. Meulenbelt. She initiated and teaches masterclasses in Molecular Epidemiology and Bioinformatics.

She has a leading role in large consortia within ageing research such as the Netherlands Consortium on Healthy Ageing (co-director) in which she established several private-public collaborations and close collaborations with national partners (EUMC, VU and WUR). Her research is closely connected to worldwide and European consortia in ageing research, in which she and her group play a leading role (LIFESPAN, GEHA, TREAT-OA, Mark-Age, SWITCHBOX and IDEAL). Since 2011 she is PI of a new large scale collaborative EU project ([IDEAL](#): Integrated research on DEvelopmental determinants of Ageing and Longevity) and a BBMRI regenboog project to organise infrastructure for national metabolomics research in epidemiology. Slagboom is member of the Editorial Board of Aging Cell, and various committees.