Call for manuscript submission for Special Issue of

**Translational Research on Aging and Longevity**
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The prevention of disease is the most effective way of promoting human health. However, successful prevention or intervention has relied on scientific evidence that is generated from large-scale population-based research from descriptive to analytical study. Based on this principle, public health professionals have been able to successfully prevent or control the transmission of infectious disease and premature mortality in the 20th century before the biological mechanism is understood.

Since the World Health Organization (WHO) defined health as "a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity in the late 1940s, population, and the community-based study indicates that medical and psycho-social problems were prevalent among older adults. Several longitudinal studies in multiple countries including US and China provide empirical evidence that factors associated with functional status of the elderly affect the healthy longevity (Zeng, Feng et al. *Lancet*, 2017). Studies have also indicated that these chronic adverse conditions such as hypertension, cardiovascular disease risk, diabetes, sleeping problems, depressive and cognitive decline, which are usually thought as the normal aging process, are actually can be prevented and managed through medical and social interventions including physical activity and lifestyle change at individual and society level.

Recent biological studies indicate that the mechanism of human illness is overlapped with underlying mechanisms that are responsible for cellular homeostasis and senescence. Large population-based aging research may provide a solid basis for understanding the biological mechanism of aging, which may have important implications for developing effective intervention on human diseases.

We call for manuscript submission that focus on but not limited to the following areas:
- Social network: measurement and association with health status and welfare
- Harness social capital in the service of an aging population
- Amelioration of cognitive decline among the elderly
- Socioeconomics, biomarker and functional status of the elderly

We welcome original research papers, reviews, perspectives, and commentary articles on previously published papers in the literature. Manuscripts can be submitted online at https://www.gcatresearch.com/manuscript-submission/first-submission/.