Chart

Description automatically generated

**Figure S1.** Waterfall plot showing individual delta age (delta age = proteomic predicted age - chronological age) at baseline and after 20 weeks of exercise training. Abbreviation: YG-Young Group (Age ≤ 29 yrs), YA-Young Adults (29 < Age ≤ 49), MA-Middle Aged (Age > 49 yrs).

Chart, scatter chart

Description automatically generated

**Figure S2**. Scatter plot of delta age (delta age = proteomic predicted age - chronological age) at baseline vs change in delta age with exercise training in three age groups. The change in delta age is defined as the difference between post-training delta age and baseline delta age. Abbreviation: YG-Young Group (Age ≤ 29 yrs), YA-Young Adults (29 < Age ≤ 49), MA-Middle Aged (Age > 49 yrs).

Diagram

Description automatically generated

**Figure S3.** GOnet biological functional analysis of 105 proteins that significantly changed with training in the total sample (p<0.0001).