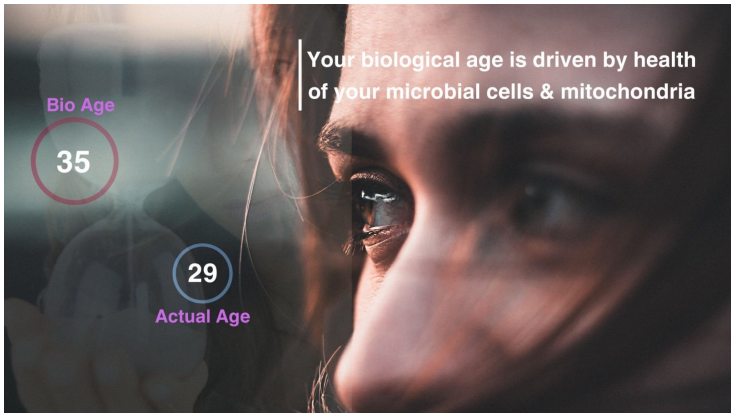
BioSpectrum
the business of Bi
24 years of leveraging the business of Bio
www.biospectrumindia.co

Genefitletics launches Agegorithm to measure biological age

04 March 2025 | News

Model statistically combines 400 plus biochemical pathways & integrates health



Delhi-based startup Genefitletics has launched Agegorithm,a machine learning driven human biology model that quantifies biology at molecular & cellular level to measure biological age. The company ascertains the efficiency of gut & oral microbiome functions & mitochondria to determine how well an individual is aging at cellular level in comparison for chronological age.

The company asserts that Agegorithm is built on a mathematical algorithm which is completely data driven & has been constructed using 6 billion molecular data, phenotype metadata & longitudinal data points specific to Indian adult population with subjects in the age band of 18-55 years. The company's comprehensive machine learning platform- PROTEBA runs this algorithm to discover the molecular activity of gut & oral microbiome & mitochondrial efficiency that enables the platform to decode & assign a number to biological age.

The model statistically combines 400 plus biochemical pathways & integrates health scores such as oral health, immune system health, heart & metabolic health, energy efficiency, gut health, stress response & many more to pinpoint source of systemic inflammation & oxidative stress causing rapid ageing. This allows the company to integrate these pathways, scores & insights into its proprietary recommendation engine to construct the most precise & personalised nutritional therapeutics, supplements & oral hygiene interventions that aims at optimizing specific biochemical functions to improve biological age.

This biological age feature is integrated with the company's full body biochemistry solution-ORAHYG PRO & would be available at no additional cost.