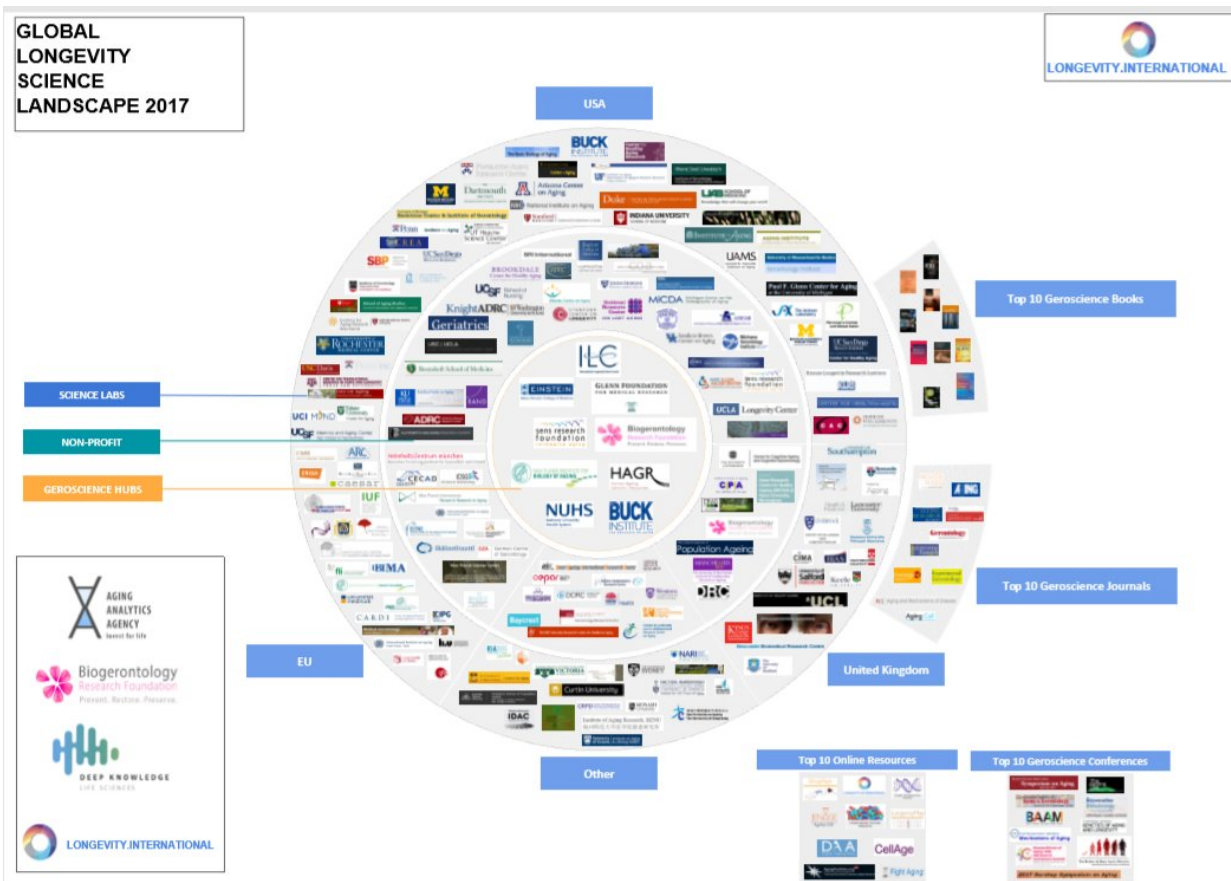


Longevity industry systematized for first time

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Infographic depicting many of the key research hubs and non-profits within the field of geroscience. Credit: Longevity.International

The Biogerontology Research Foundation has embarked on a year-long

mission to summarise in a single [document](#) the various emerging technologies and industries which can be brought to bear on aging, healthy longevity, and everything in between, as part of a joint project between [The Global Longevity Consortium](#), consisting of the Biogerontology Research Foundation, Deep Knowledge Life Sciences, Aging Analytics Agency and Longevity. International platform.

For scientists, [policy makers](#), regulators, government officials, investors and other stakeholders, a consensus understanding of the field of [human longevity](#) remains fragmented, and has yet to be systematized by any coherent framework, and has not yet been the subject of a comprehensive [report](#) profiling the field and [industry](#) as a whole by any analytical agency to date. The consortium behind this series of reports hope that they will come to be used as a sort of Encyclopedia Britannica and specialized Wikipedia of the emerging [longevity](#) industry, with the aim of serving as the foundation upon which the first global framework of the industry will be built, given the significant industry growth projected over the coming years.

Experts on the subject of human longevity, who tend arrive at the subject from disparate fields, have failed even to agree on a likely order of magnitude for future human lifespan. Those who foresee a 100-year average in the near future are considered extreme optimists by some, while others have even mooted the possibility of indefinite life extension through comprehensive repair and maintenance. As such the longevity industry has often defied real understanding and has proved a complex and abstract topic in the minds of many, investors and governments in particular.

The first of these landmark reports, entitled '[The Science of Longevity](#)', standing at almost 800 pages in length, seeks to rectify this.

Part 1 of the report ties together the progress threads of the constituent

industries into a coherent narrative, mapping the intersection of biomedical gerontology, regenerative medicine, precision medicine, artificial intelligence, offering a brief history and snapshot of each. Part 2 lists and individually profiles 650 longevity-focused entities, including research hubs, non-profit organizations, leading scientists, conferences, databases, books and journals. Infographics are used to illustrate where research institutions stand in relation to each other with regard to their disruptive potential: companies and institutions specialising in palliative technologies are placed at the periphery of circular diagrams, whereas those involved with more comprehensive, preventative interventions, such as rejuvenation biotechnologies and gene therapies, are depicted as central.

In this report great care was taken to visualize the complex and interconnected landscape of this field via state of the art infographics so as to distill the many players, scientific subsectors and technologies within the field of geroscience into common understanding. Their hope was to create a comprehensive yet readily-understandable view of the entire field and its many players, to serve a similar function that Mendeleev's periodic table did for the field of chemistry. While these are static infographics in the reports, their creators plan to create complimentary online versions that are interactive and filterable, and to convene a series of experts to analyze these infographics and continually update them as the geroscience landscapes shifts. Similar strategies are employed in Volume II to illustrate the many companies and investors within the longevity industry.

These reports currently profile the top 100 entities in each of the categories, but in producing them, analysts found that the majority of these categories have significantly more than 100 entities associated with them. One of their main conclusions upon finishing the report is that the longevity industry is indeed of substantial size, with many industry and academic players, but that it remains relatively fragmented, lacking a

sufficient degree of inter-organization collaboration and industry-academic partnerships. The group plans to expand these lists in follow-up volumes so as to give a more comprehensive overview of the individual companies, investors, books, journals, conferences and scientists that serve as the foundation of this emerging industry.

Since these reports are being spearheaded by the UK's oldest biomedical charity focused on healthspan extension, the Biogerontology Research Foundation is publishing them online, freely available to the public. While the main focus of this series of reports is an analytical report on the emerging longevity industry, the reports still delve deeply into the science of longevity, and Volume I is dedicated exclusively to an overview of the history, present and future state of ageing research from a scientific perspective.

The consortium of organizations behind these reports anticipate them to be the first comprehensive analytical report on the emerging longevity industry to date, and hope to increase awareness and interest from investors, scientists, medical personnel, regulators, policy makers, government officials and the public-at-large in both the longevity industry as well as geroscience proper by providing a report that simultaneously distills the complex network of knowledge underlying the industry and field into easily and intuitively comprehensible infographics, while at the same time providing a comprehensive backbone of chapters and profiles on the various companies, investors, organizations, labs, institutions, books, journals and conferences for those inclined for a deeper dive into the vast foundation of the longevity industry and the field of geroscience.

It is hoped that this report will assist others in visualising the present longevity landscape and elucidate the various industry players and components. Volume 2, *The Business of Longevity*, which at approximately 500 pages in length aims to be as comprehensive as

Volume 1, is set to be published shortly thereafter, and will focus on the companies and investors working in the field of precision preventive medicine with a focus on healthy longevity, which will be necessary in growing the industry fast enough to avert the impending crisis of global aging demographics.

These reports will be followed up throughout the coming year with Volume 3 ("Special Case Studies"), featuring 10 special case studies on specific longevity industry sectors, such as cell therapies, gene therapies, AI for biomarkers of aging, and more, Volume 4 ("Novel Longevity Financial System"), profiling how various corporations, pension funds, investment funds and governments will cooperate within the next decade to avoid the crisis of demographic aging, and Volume 5 ("Region Case Studies"), profiling the longevity industry in specific geographic regions.

These reports are, however, only the beginning, and ultimately will serve as a launching pad for an even more ambitious project:

[Longevity.International](#), an online platform that will house these reports, and also serve as a virtual ecosystem for uniting and incentivizing the many fragmented stakeholders of the longevity industry, including scientists, entrepreneurs, investors, policy makers, regulators and [government officials](#) to unite in the common goal of healthspan extension and aversion of the looming demographic aging and Silver Tsunami crisis. The platform will use knowledge crowdsourcing of top tier experts to unite scientists with entrepreneurs, entrepreneurs to investors, and investors to policy-makers and regulators, where all stakeholders can aggregate and integrate intelligence and expertise from each other using modern IT technologies for these types of knowledge platforms, and all stakeholders can be rewarded for their services.

Provided by Biogerontology Research Foundation

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