Organizations in the Aging Space Expected to Make Advances in Aging Interventions in Humans -- Following Their Progress

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https://www.AgingIntervention Foundation.org/OrganizationsFollowProgress.pdf

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Please contact me with information on organizations you know of that are making advances in aging interventions in humans.

The List

Ones I know more about are generally near the top, ones others have recommended are nearer the bottom.

Aging Intervention Foundation
https://www.AgingInterventionFoundation.org

Aging Analytics Agency
https://www.aginganalytics.com

Age Reversal Network
https://www.age-reversal.net

Longeveron
Stem cells for aging conditions
www.Longeveron.com

Juvena Therapeutics
https://www.juvenatherapeutics.com/

Oisin Biotechnologies
www.oisinbio.com
Turn Biotechnologies
www.turn.bio
An informed member of our community commented: I foresee using the Oisin treatment for clearing away the senescent cell junk, followed by the Turn treatment for reprogramming the remaining aging cells to a younger state as the realistic path to achieving the real rejuvenation of aging humans (like me).

BioViva Science
https://bioviva-science.com

Sens Research Foundation

https://www.sens.org

Methuseleh Foundation
https://www.mfoundation.org/

Glenn Foundation for Medical Research
https://glennfoundation.org

Collider Healt
https://www.colliderhealth.com/

Repair Biotechnologies
https://www.repairbiotechnologies.com/

New Gene Therapy Could Slow Aging in Humans
Dr Pradeep Reddy, research scientist, Salk Institute for Biological Studies
Pradeep Reddy GEL-B STAFF RESEARCHER (858) 453-4100 xt 1324 preddy@salk.edu
https://www.nextavenue.org/new-gene-therapy-slow-aging-humans/

Arivale
https://www.arivale.com/

XOstem (spelling?)
John Sanderson MD

CRISPR-based 'allelic drive' allows genetic editing with selective precision and broad implications
https://www.sciencedaily.com/releases/2019/04/190409172038.htm
Ethan Bier, the new paper's senior author. https://profiles.ucsd.edu/ethan.bier
http://biology.ucsd.edu/research/faculty/ebier
Annabel Guichard, the paper's first author https://profiles.ucsd.edu/annabel.guichard
Bier Lab, UC San Diego http://bierlab.weebly.com/

Life Biosciences
www.lifebiosciences.com

Gero
http://gero.bio/
Therapies, biomarkers of aging in blood tests, wearable data and other biological signals.

Legendary Pharmaceuticals
https://www.legendarypharma.com/chartbg.html

Center for Autodigestion Research
Geert W. Schmid-Schonbein, Ph.D.
https://microcirculation.eng.ucsd.edu/

Biogerent India
http://biogeront.com/
https://www.linkedin.com/in/biogeront-india-9b6997184/

SMS Biotech
www.SMSBiotech.com

Academy for Health and Lifespan Research
www.linkedin.com/company/academy-for-health-lifespan-research
www.bostonglobe.com/business/2019/02/11/longevity-scientists-launch-academy-raise-profile-life-extending-research/c0QSLxNOApnyRwKqui0YzO/story.html

Ankasa Regenerative Therapeutics
https://www.google.com/search?q=ankasa+regenerative+therapeutics&rlz=1C1CHBF_enUS723US723&oq=Ankasa+Regenerative+Therapeutics&aqs=chrome.0.0l3.1167j0j7&sourceid=chrome&ie=UTF-8

Correlia Biosystems
www.correliabio.com

University of Exeter
www.sciencedaily.com/releases/2018/08/180807095140.htm

OpenOme
Kevin Perrott
www.OpenOme.com

Centagen
Bryant Villeponteau
www.Centagen.com
https://transmedcomms.biomedcentral.com/articles/10.1186/s41231-017-0018-4

Samsara Therapeutics, Inc.
https://www.samsaratherapeutics.com

Ichor Therapeutics
Extending healthspan – contract research – senolytics reserach
www.ichortherapeutics.com

Repair Biotechnologies
www.repairbiotechnologies.com

www.ncbi.nlm.nih.gov/pmc/articles/PMC5847876
Will be offered by NewOmics www.NewOmics.com
Under development– system for

1. better way to evaluate senescent cells, and the before and after effects of senolytic therapies.
2. better senolytic therapy -- apheresis type system to filter senescent cells from blood, then return it to the person

Autoxerene
www.antoxerene.com

Unity Biotechnology
www.unitybiotechnology.com

Insilico Medicine
www.insilico.com

AgeX Therapeutics
www.agexinc.com

Calico Labs (Google/Alphabet)
www.calicolabs.com

CellAge
www.cellage.org

Trans NIH Geroscience Special Interest Group
https://www.nia.nih.gov/gsig

Alkahest
Prof. Tony Wyss-Coray
www.alkahest.com

Organovo
www.organovo.com

Libella Gene Therapeutics
www.libellagenetherapeutics.com

Stemedica
www.stemedica.com

COR biomarkers
https://www.indiegogo.com/projects/cor-the-gold-standard-health-tracker-fitness#/
https://knowyourcor.com

Cue
simple self service tests
www.cuehealth.com/#product

RocketBody

www.indiegogo.com/projects/rocketbody-ai-fitness-trainer-and-nutritionist-sports-watches
www.cue.me/product

Lab Test Analyzer
www.labtestanalyzer.com

Oura Ring
www.ouraring.com

Chromadex
www.chromadex.com $CDXC

Prof. George Church
www.rejuvenatebio.com

Juvenescence
www.juvenescence.ltd

OncoSenX

Leucadia Therapeutics
www.leucadiatx.com

Dr. Michael Fossel
www.telocyte.com

Amazentis
www.amazentis.com

Frequency Therapeutics
www.frequencytx.com

Celularity
https://www.celularity.com/

Palo Alto Prize
www.paloaltoprize.com

Histogen
www.histogeninc.com

Nectome
www.nectome.com

Mitotech
Prof. Vladimir P. Skulachev

www.mitotechpharma.com

Cleara Biotech
Peter de Keizer, PhD
www.clearabiotech.com

Samumed
www.samumed.com

Replicel
www.replicel.com

Nugenics Research
Web site not yet created. Akshay Sanghvi the lead scientist. This is near the bottom because it has a description.
Akshay reports: Team of 9. Completed a pre-clinical trial of 2 months on 18 month old rats based on upregulation of key repair pathways which progressively lose efficiency as we age. The theory is explained in this post:
http://blissatomic.blogspot.com/2017/04/mechanism-of-aging.html?m=1
Natural molecules and compounds used that upregulate key known repair pathways. Akshay reports results have been spectacular: Chronic Inflammation markers TNFa and IL6 both reversed to that of young controls, old treated lost significant weight with the same diet as old and young controls (they gained weight), the grip strength of old treated reversed back closer to that of young control and Barnes Maze memory skills also similar to young controls. Histopathology and blood reports were indistinguishable from young untreated controls demonstrating safety.
This is only first leg and they hope to further validate this finding with human clinical trials. They are also in the midst of their 2nd pre-clinical trial where we are hoping to reverse the epigenetic methylation drift caused by aging. Results are expected in August 2018 they they will be submit to peer reviewed journals for publcation.

Many companies https://www.forbes.com/sites/cognitiveworld/2019/05/14/life-3-0-and-biohacking-rewriting-human-life-in-the-digital-age/#59ab4ced6c95

Comprehensive list and info -- Business of Longevity report:
http://data.longevity.international/data/pdf/Infographic-Summary-Longevity-Industry-Analytical-Report.pdf
http://longevity.international/longevity-industry-landscape-overview-volume-2

From Diamandis Tech Blog / Health Nucleus newsletter 2/19/2019

Nanobots & Nanonetworks

While wearables have long been able to track and transmit our steps, heart rate and other health data, smart nanobots and ingestible sensors will soon be able to monitor countless new parameters and even help diagnose disease.

Some of the most exciting breakthroughs in smart nanotechnology from the past year include:

- Researchers from the École polytechnique fédérale de Lausanne (EPFL) and the Swiss Federal Institute of Technology in Zurich (ETH Zurich) demonstrated artificial microrobots that can swim and navigate through different fluids, independent of additional sensors, electronics or power transmission.
- Researchers at the University of Chicago proposed specific arrangements of DNA-based molecular logic gates to capture the information contained in the temporal portion of our cells' communication mechanisms. Accessing the otherwise-lost time-dependent information of these cellular signals is akin to knowing the tune of a song, rather than solely the lyrics.
- MIT researchers built micron-scale robots able to sense, record, and store information about their environment. These tiny robots, about 100 micrometers in diameter (approximately the size of a human egg cell), can also carry out preprogrammed computational tasks.
- Engineers at University of California, San Diego developed ultrasound-powered nanorobots that swim efficiently through your blood, removing harmful bacteria and the toxins they produce.

But it doesn't stop there.

As nanosensor and nanonetworking capabilities develop, these tiny bots may soon communicate *with each other*, enabling the targeted delivery of drugs and autonomous corrective action.