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# [/sci/](#) ~~Become a~~ Science & Math

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File: 236 KB, 1280x781, photo\_2022-03-20\_17-09-42.jpg [\[View same\]](#)  
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☐ **MEDFAGS, IS THIS TRUE?**

**Anonymous** Fri May 27 10:42:09  
2022 No.14518576 [\[Reply\]](#)  
[\[Original\]](#) [\[archived.moe\]](#)

Quoted by: >>14518770 >>14518906  
>>14521168 >>14521232 >>14521866  
>>14522114 >>14522197 >>14523834  
>>14523862 >>14524382 >>14527210  
>>14527433 >>14527437 >>14527454

>>14528578 >>14530293 >>14530302 >>14530309 >>14530390 >>14530473 >>14532233

found on /pol/

>> ☐ **Anonymous** Fri May 27 12:56:11 2022 No.14518770

[>>OP](#)  
no

>> ☐ **Anonymous** Fri May 27 14:29:05 2022 No.14518899

Quoted by: >>14518901

no one here is qualified to answer

>> ☐ **Anonymous** Fri May 27 14:30:57 2022 No.14518901

Quoted by: >>14518914 >>14523845

[>>14518899](#)  
No one here is qualified to make that statement in the first place then.

☐ **Anonymous** Fri May 27 14:35:10 2022 No.14518906

Quoted by: >>14521207 >>14521299 >>14533713

>>OP

The joke is exercise. Exercise mitigates all of these things. He posted a laundry list of things exercise prevents or improves.

If he's just high on his own farts, though, researchers have been tossing drug trials at these problems since always. There are whole companies with researchers, computer automated systems for synthesizing new compounds, on and on it goes. As he mentions zero details about this "drug", he's fulla shite. OR it's a joke and the punchline is "exercise fatty".

>> ☐ **Anonymous** Fri May 27 14:39:26 2022 No.14518914

Quoted by: >>14518922 >>14518941 >>14519648 >>14520199 >>14520207 >>14531231

>>14518901

/pol/ is, /sci/ isn't

>> ☐ **Anonymous** Fri May 27 14:41:09 2022 No.14518922

>>14518914

LOL, delusional

>> ☐ **Anonymous** Fri May 27 14:54:08 2022 No.14518941

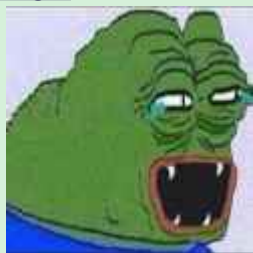
Quoted by: >>14520199

>>14518914

/pol/ would be hard-pressed to understand how a vaccine even works in the first place

>> ☐ **Anonymous** Fri May 27 20:59:06 2022 No.14519648

File: 50 KB, 600x608, szívleszakad.jpg [\[View same\]](#) [\[iqdb\]](#) [\[saucenao\]](#) [\[google\]](#)



>>14518914

Holy kek

>> ☐ **Anonymous** Sat May 28 01:00:24 2022 No.14520199

Quoted by: >>14520201 >>14521361 >>14521505 >>14531235

[>>14518914](#)

>They hated him because he spoke the truth.

If I could choose the scientists! (not the dimwits) on /pol/ vs those on /sci/, the latter would fuck /sci/ larpers back to the stone age.

Take for example this faggot shill here [>>14518941](#).

>> ☐ **Anonymous** Sat May 28 01:01:27 2022 No.14520201

[>>14520199](#)

That faggot shill is a sub 90IQ big pharma worker or tranny astroturfing the board.

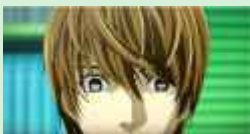
>> ☐ **Anonymous** Sat May 28 01:03:59 2022 No.14520207

[>>14518914](#)

Um yeah, I'm thinking based.

>> ☐ **Pax** Sat May 28 09:13:36 2022 No.14521168

File: 625 KB, 1164x599, light 1.png [\[View same\]](#) [\[iqdb\]](#) [\[saucenao\]](#) [\[google\]](#)



Quoted by: >>14521222 >>14521321 >>14521409 >>14521481  
>>14524678 >>14525054 >>14527187 >>14531307  
>>14531355 >>14531470 >>14531874 >>14531967  
>>14533895 >>14533908

[>>OP](#)

It's me anon.

In that post I aptly described the hypothalamic inflammation model of metabolic disorder.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5199695/>

In short inflammation in the periphery and within the brain leads to defects in mitochondrial function and cell viability through reducing insulin transport to the brain from the periphery by promoting inflammation in a population of cells within the cerebellum that are responsible for promoting insulin uptake into the brain. saturated fats, and endotoxins reduce neuronal insulin sensitivity making brain cells degrade and this is especially true in the hypothalamus which participates in controlling most endocrine functions in the body. Declines in neuronal insulin sensitivity reduces hypothalamic metabolism of neurosteroids like pregnenolone from cholesterol and this allows cholesterol, and ceramides to accumulate in the lipid rafts of our neurons, endothelial cells and organs.

<https://pubmed.ncbi.nlm.nih.gov/35108514/>

Metabolic disorder and neurological disorders are both tied to the decline of insulin sensitivity and that reduces the viability of gabaergic cells such as somatostatin interneurons.

<https://pubmed.ncbi.nlm.nih.gov/34430981/>

Declines of these interneuron populations leads to decline of sensory encoding as well as control of metabolic functions controlled by somatostatin and leads to the disinhibition of insulin release in the periphery sensitization of autoimmunity due to reduced tolerance to inflammation and creating a hyperactive environment for your immune cells to be activated which attack your joints, promote calcification of your arteries and promotion of atherosclerosis. Inflammation in the periphery and in the brain from cortisol or endotoxins increases glutamate release which increases the production of the neurosteroid allopregnanolone which increases gabaergic tone and reduces surface expression of gaba a receptors promoting hpta axis dysfunction through chronic mild stress.

>> ☐ Pax Sat May 28 09:33:31 2022 No.14521207

Quoted by: >>14521217 >>14521265 >>14521291 >>14521321 >>14521322 >>14521873  
>>14521891 >>14524337 >>14525060 >>14527187 >>14530714 >>14531248

[>>14518906](#)

>As he mentions zero details about this "drug", he's fulla shite. OR it's a joke and the punchline is "exercise fatty".

It's no joke anon. I'm financing the development of a drug and there's a reason why I didn't mention details about the drug beyond those 2 posts. I was answering to someone who'd asked about the prospect of immortality and I wanted to grab their attention. It had worked and I had gotten recognized by an anon that has some connections that may work out soon.

The drug that I mention to be a super drug would be making modifications to a somatostatin analog that will allow it to penetrate past the nasal epithelium and go deep into the brain where it can replace the functions of somatostatin and promote the growth and survival of new somatostatin interneurons in order to reverse the progression of transcriptional drift within the brain so we could maintain youthful somatostatin interneuron

populations and neuroplasticity for decades longer. This would allow us to have significantly improved insulin sensitivity within our brain which would increase neuroprotection against endotoxins, and glutamate signalling reducing inflammation. Mouse models such as ames dwarf mice are similar to humans with a non functioning growth hormone receptor(Larons syndrome) Ames dwarf mice are reported to have significantly longer lifespans because of reduced inflammation and significantly improved glutamatergic homeostasis.

<https://pubmed.ncbi.nlm.nih.gov/25711529/>

Ames dwarf mice do not get cancer, they live 70% longer on average, and their muscular and brain function does not decline with age. They're also significantly smarter than wild type mice and have better emotional regulation as well.

People with larons syndrome can't get cancer and are significantly smarter than average. The reason why ames dwarf mice live significantly longer than average is low peripheral IGF1 concentrations and significantly higher brain insulin/igf1 concentrations.

>> ☐ **Anonymous** Sat May 28 09:37:40 2022 No.14521217

Quoted by: >>14521252 >>14521450

[>>14521207](#)

Good now destroy everything you know and abandon your plans, people need to die for growth to occur, or else you'll just sociopathic assholes ruling everything forever, thank god for retard trust fund babies.

>> ☐ **Anonymous** Sat May 28 09:39:35 2022 No.14521222

File: 772 KB, 1394x874, CCAEEF.jpg [[View same](#)] [[iqdb](#)] [[saucenao](#)] [[google](#)]



Quoted by: >>14521227 >>14521253 >>14521307 >>14527866

[>>14521168](#)

if what yo u say is true then recommend me the best supplements for the brain

that exist right now

>> ☐ **Anonymous** Sat May 28 09:41:57 2022 No.14521227

Quoted by: >>14521304

[>>14521222](#)

ibuprofen

☐ **Anonymous** Sat May 28 09:44:09 2022 No.14521232  
File: 43 KB, 600x474, 1653568622445.jpg [[View same](#)] [[iqdb](#)]  
[[saucenao](#)] [[google](#)]



Quoted by: >>14531522

>>OP  
>anime avatarposter  
it's over

>> ☐ **Anonymous** Sat May 28 09:54:00 2022 No.14521252  
Quoted by: >>14521305 >>14521479 >>14531256

>>14521217

If some anon can come up with this, it's likely others are looking at similar pathways. This may be distantly related (Your mention of glutamate pathways), a friend and I stumbled on a neural boosting combo that might interest you:

- > N Acetyl Cysteine (NAC) 600 mg to 1200 mg
- > Niacin (FLUSH) or Niacinamide - 250 mg to 500 mg
- > Piracetam 400 to 800 mg
- > Gingko Biloba - 40 mg+
- > A diet soda containing Aspartame (100mg ish)

Anecdotal reports are very positive, ranging from long covid sufferers to older people who just need a bit more mental agility. NAC in general seems to help with metabolic issues, as well as being a general mucolytic for upper respiratory disorders.

>> ☐ **Anonymous** Sat May 28 09:54:24 2022 No.14521253  
Quoted by: >>14521306

>>14521222

cyanide is basically the pill from limitless, the trick they don't want you to know is you have to take A LOT of it, not just one little pill

>> ☐ **Anonymous** Sat May 28 10:01:34 2022 No.14521265  
Quoted by: >>14521479

>>14521207

Godspeed anon. Any nootropic recs in the mean time tho?

>> ☐ **Anonymous** Sat May 28 10:14:11 2022 No.14521291  
Quoted by: >>14521339

[>>14521207](#)

>better emotional regulation

How can you tell how emotionally stable a mouse is?

>> ☐ **Anonymous** Sat May 28 10:18:51 2022 No.14521299

[>>14518906](#)

What about cartilage.

>> ☐ **Anonymous** Sat May 28 10:21:32 2022 No.14521304

Quoted by: >>14521308

[>>14521227](#)

Ibuprofen will just give you acid reflux because it erodes the stomach lining.

So you would have to take omeprazole constantly which can cause heart problems taking for a long term.

>> ☐ **Anonymous** Sat May 28 10:24:11 2022 No.14521305

Quoted by: >>14521310

[>>14521252](#)

Someone posted a study that NAC long term could cause Alzheimers.

>> ☐ **Anonymous** Sat May 28 10:25:36 2022 No.14521306

[>>14521253](#)

You're a bad entity, go back to hell demon.

>> ☐ **Anonymous** Sat May 28 10:26:39 2022 No.14521307

[>>14521222](#)

metformin  
really.

>> ☐ **Anonymous** Sat May 28 10:27:29 2022 No.14521308

File: 318 KB, 1136x1124, WhatsApp Image 2022-05-24 at 8.54.01 AM.jpg [[View same](#)] [[iqdb](#)] [[saucenao](#)] [[google](#)]



Quoted by: >>14521336 >>14521338 >>14521479

[>>14521304](#)

i take

vits a b(all) c d k2

NAC QUERCITIN ASTAXHANTHIN DL-PHENYLANIN ZINC MAGNESIUM

COPPER IRON SELENIUM PQQ Q10 L-LYSINE CURCUMIN  
LIONS MANE ASHWAGANDHA  
what do i lack{

>> ☐ **Anonymous** Sat May 28 10:28:15 2022 No.14521310

[>>14521305](#)

You'd have to link the paper, there's a lot of bad studies out there and figuring out the good from bad is a full time job. NAC does have a small chance of increasing micro-bleeds in mice brains, but in mice already susceptible to said micro-bleeds, and if taken in combination with other things it may not matter.

NAC is one of the few things I've shilled openly- I've taken it long term, and it solved or greatly improved many health issues I was having.

If anything I'd think a reduced risk due to increasing cellular anti-oxidant levels

>> ☐ **Anonymous** Sat May 28 10:34:34 2022 No.14521321

[>>14521168](#)

[>>14521207](#)

This is "first day researching nootropics" BS.  
Just take aspirin.

>> ☐ **Anonymous** Sat May 28 10:34:44 2022 No.14521322

Quoted by: >>14521479

[>>14521207](#)

So, you're saying that you managed to sintethize an NZT-like drug that could potentially make us immortal?

>> ☐ **Anonymous** Sat May 28 10:40:19 2022 No.14521336

[>>14521308](#)

forgot to mention 5-HTP COLLAGEN AND CREATINE HCL

>> ☐ **Anonymous** Sat May 28 10:40:41 2022 No.14521338

Quoted by: >>14521345

[>>14521308](#)

MEDS.

>> ☐ **Anonymous** Sat May 28 10:40:52 2022 No.14521339



Quoted by: >>14521375

[>>14521291](#)

Easy to measure when paired with a keyboard and display hooked up to a PC browsing a congolese pottery throwing forum.

An emotionally unstable mouse will cease movement or flutter aimlessly in the presence of the high faggotry levels found in shitposts - which are swiftly identifiable by the slight alteration of the default name field - whereas an emotionally stable one might ignore them outright or calmly highlight the options field to allow entry of the "sage" keyword when authoring replies to said shitposts, among other maneuvers demonstrating advanced emotional control.

>> ☐ **Anonymous** Sat May 28 10:43:47 2022 No.14521345  
File: 737 KB, 300x300, 1644601341225.gif [[View same](#)] [[iqdb](#)]  
[[saucenao](#)] [[google](#)]



Quoted by: >>14521349 >>14521358

[>>14521338](#)

WEW not taking like 20 supplements to be superior because "it would be weird" the definition of a normie.

>> ☐ **Anonymous** Sat May 28 10:45:44 2022 No.14521349  
Quoted by: >>14521355

[>>14521345](#)

If you want to engage "normie mode", take a Delta 10 THC gummie, not even joking.

>> ☐ **Anonymous** Sat May 28 10:48:37 2022 No.14521355  
File: 257 KB, 707x1024, 1653352253108.jpg [[View same](#)] [[iqdb](#)]  
[[saucenao](#)] [[google](#)]



[>>14521349](#)

>being a normie on purpose

>> ☐ **Anonymous** Sat May 28 10:49:29 2022 No.14521358  
Quoted by: >>14521366 >>14532204

[>>14521345](#)

WEW Human beings have survived for thousands of years just fine. Maybe try changing your diet and lifestyle, that would be crazy talk haha

>> ☐ **Anonymous** Sat May 28 10:50:37 2022 No.14521361

Quoted by: >>14522411 >>14523551

>>14520199

browsing the internet and cherry-picking information that fits your narrow and limited world-view isn't science hence, there are no scientists on /pol/, choose them all you want, you'll just end up circle-jerking on a discord server

>> ☐ **Anonymous** Sat May 28 10:51:34 2022 No.14521366

File: 155 KB, 500x719, 1641936413815.jpg [\[View same\]](#) [\[iqdb\]](#) [\[saucenao\]](#) [\[google\]](#)



Quoted by: >>14521369 >>14521460 >>14522544

>>14521358

infinite humans try that right now  
what value does it have me doing the same?  
we need to go deeper for the good of the world

>> ☐ **Anonymous** Sat May 28 10:53:09 2022 No.14521369

>>14521366

No you really don't, you just need to put your mind and energy to the right thing.

>> ☐ **Anonymous** Sat May 28 10:54:54 2022 No.14521375

File: 1.14 MB, 250x250, sensible chuckle.gif [\[View same\]](#) [\[iqdb\]](#) [\[saucenao\]](#) [\[google\]](#)



>>14521339

High effort

>> ☐ **Anonymous** Sat May 28 11:18:28 2022 No.14521409

>>14521168

What do you think of Dr Sinclair's works and NMN?

>> ☐ **Pax** Sat May 28 11:37:13 2022 No.14521450

Quoted by: >>14521475 >>14522400 >>14524342

>>14521217

>thank god for retard trust fund babies.

I'm not a trust fund kid anon. I work a full time job and I work with a group of biohackers that i've spent a year+ cementing myself as the most highly esteemed expert. I've spent close to \$12k of my own personal savings financing the research and development of new classes of drugs for the treatment of neurological and metabolic disorders.

This is something I've spent nearly a decade studying medicine iterally reading medical articles while i've lived a tragic life in my 20's

I never set foot into a university. I've also learned from a couple neuroscientists I work closely with that helped mentor me to a degree.

> people need to die for growth to occur

Growth ends when you die anon. The end of your life is the end of the impact you have on it and I don't want to get into the epistemology of stoicism. Adaptation to our environment has created the modern world and it's why medicine exists.

What I aim to use to treat the root causes of aging include promoting increased expression of hemapoeietic stem cells/neuronal stem cell pools,significantly improve neuronal insulin sensitivity with intranasal iron chelation/epo administration,reduce neuroinflammation as much as possible while increasing insulin levels in the brain.

Here's how I aim to accomplish this. I'm currently using intranasal insulin 100 units per day+ 100mcg HA-P6 several times per week.

I've begun using deferoxamine intranasally today which is an iron chelation drug and that will reduce the iron that has accumulated in the cytosol of my neurons, microglial cells, and Oligodendrocytes due to the endolysosomal deacidification due to chronic mild stress, and endotoxins which lead to mitochondrial dysfunction and susceptibility to apoptosis and decline in function. I hope to add epo at some point soon that will shuttle the iron that is chelated by deferoxamine from hepcidin and ferritin into mitochondria to support mitochondrial biogenesis.

File: 251 KB, 1024x839, ben pwns adams.jpg [View same] [iqdb] [saucenao] [google]



Quoted by: >>14521473 >>14521787

>>14521366

>> ☐ **Anonymous** Sat May 28 11:47:38 2022 No.14521468

Quoted by: >>14521470 >>14521499

no offense but i feel you all you did was essentially circular pathways that are already known to be associated with aging. intracellular calcium and its role in apoptosis is hardly new, excitotoxicity, poor insulin sensitivity, deranged hypothalamic function , these are already known to be bad

ames dwarf mice, fact was cool , but i dont see what this proves. its known for a while that high growth hormone leads to cancer, that's partially why there is an inverse correlation between height and extreme longevity, why people with gigantism die young

<https://academic.oup.com/biomedgerontology/article/73/5/588/4086161>

>larons syndrome can't get cancer and are significantly smarter than average.

there's like 250 people with laron's syndrome, i tried to find proof they're smarter, couldn't find any, how did you even get this conclusoin? people with laron's syndrome also have micropenises and are mega manlets with facial deformities. If you increase metabolism, you tend to increase ROS and other toxic byproducts, 'live fast die fast' sort of deal, if you make humans manlets, they live longer, just like manlet races like japanese and chinese live longer alraedy than others, but i dont consider that a real solution, its literally just a tradeoff that seeks to conserve energy and health in contrast to the highly consumptive, large, energetic individuals who live shorter lives. you would've arrived to the same conclusion merely observing that women (small biomass, lesser metabolisms, less gh) live longer than men (faster metabolisms, larger, more gh). call me when you can get a 6'5 guy to live to 120. small mammals live longer, so what?

your solution is to take a GH inhibitor? this seems like it will have negative side effects, its used to treat people with gigantism, i.e. EXCESS GH, not normal people.

>> ☐ **Anonymous** Sat May 28 11:48:38 2022 No.14521470

[>>14521468](#)

Eunuchs are known to be long lived as well, should i take anti androgens then? your solution is basically an analogue of the guys who proposed to extend longevity by fasting to slow metabolism, which is technically not an incorrect approach, but its feels regressive and crude, it should be called the Turtle approach because thats what it amounts to 'turn yourself into a turtle / an organism with the metabolism of a turtle and you can live to 120'

GH treatment is also shown to improve many biomarkers in children with GH deficiency. those children

>> ☐ **Anonymous** Sat May 28 11:51:58 2022 No.14521473  
File: 49 KB, 878x855, 1653478468621.jpg [[View same](#)] [[iqdb](#)]  
[[saucenao](#)] [[google](#)]



[>>14521460](#)

antivaxxers were right accidentally is a persuasion technique dummy, he was always antivax in secret, he didnt even told his fans what he did

>> ☐ **Anonymous** Sat May 28 11:52:25 2022 No.14521475

[>>14521450](#)

this seems more interesting, than what you said previously. i applaud your self experimentation, admirable. how has the intranasal insulin affected you? wb deforxamine?

>> ☐ **Pax** Sat May 28 11:56:23 2022 No.14521479

Quoted by: >>14521535 >>14521765 >>14521803 >>14522226 >>14522239 >>14524873

[>>14521252](#)

>a friend and I stumbled on a neural boosting combo that might interest you:

I've probably been responsible for introducing SKQ1, and intranasal rapamycin to the nootropics community.

I've snorted a grams worth of MIF1, swallowed a gram worth of taltirelin, and probably the most life changing of those were up to this point Rapamycin, insulin, skq1, and HAP6

[>>14521265](#)

Intranasal insulin.

HA-P6.. You need a lot of it over long periods of time to get the benefits that I see. Both greatly increase glutamate transporters, and nmda, gaba, and ampa surface expression because they improve neuronal insulin receptor activity. Insulin is a potent neurotrophic factor and the most common one in the body. Intranasal insulin bypasses transporters that our bodies rely on to increase insulin transport from the periphery. administering insulin intranasally improves peripheral insulin sensitivity and metabolic homeostasis by improving glucose metabolism in the brain to support mitochondrial energy production.

I'm using deferoxamine intranasally and I've went through about 500mg today and have 9 vials left in my box to go through. It would remove excess iron that accumulated in the brain over your lifetime as a consequence of neuroinflammation or drug use or disease.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7911954/>

[>>14521308](#)

Go to walmart and buy humulin r over the counter for \$25 per box, then snort 30 units of insulin between meals.

[>>14521322](#)

I'm working on it. Certainly it'd only be one drug of many that I hope to introduce and make more popular in efforts to target the multiple pathways involved in cognitive decline. Cognitive decline itself is directly tied to metabolic decline and finding a perfect solution to cognitive dysfunction would also be in many ways the cure for most human diseases including autoimmune disorders.

>> ☐ **Anonymous** Sat May 28 11:56:45 2022 No.14521481

Quoted by: >>14521520

[>>14521168](#)

you're full of shit

>> ☐ **Pax** Sat May 28 12:14:22 2022 No.14521499

[>>14521468](#)

>no offense but i feel you all you did was essentially circular pathways that are already known to be associated with aging. intracellular calcium and its role in apoptosis is hardly new, excitotoxicity, poor insulin sensitivity, deranged hypothalamic function , these are already known to be bad

Yeah I'm glad that you follow me on this. What I aim to do should not sound like a grand departure from what should be common sense interventions for the mitigation of mitochondrial dysfunction but my aim is to target all of the pathways individually that contribute to cognitive decline and cognitive dysfunction together.

>your solution is to take a GH inhibitor? this seems like it will have negative side effects, its used to treat people with gigantism

Its one therapeutic which would be a somatostatin analog that targets the sst2 and sst5 somatostatin receptors which are ubiquitous within our brain but also in most other cell lines and which somatostatin has many intricate roles in suppression of amylase, TSH, pancreatase, lipase.. it'd suppress multiple hormones throughout the body. Somatostatin's roles within the brain are multiple but it acts dominately on somatostatin interneurons to increase the specificity of the firing of parvalbumin interneurons onto pyramidal cells. so somatostatin serves a role in sensory encoding by reducing the noise of pv activity on pyramidal cells. Disorders such as autism and adhd are marked with increased proportion of parvalbumin to somatostatin interneurons and this leads to improper inhibition and sensory/memory encoding.

I aim to promote somatostatin interneuron overexpression and increase insulin activity/ epo signaling within the brain while also mitigating sphingolipid, and cholesterol deposition in lipid rafts.

There may be many effects I could only hypothesize about because most data we have on somatostatin analogs within the brain have come from intracerebral injections of somatostatin analogs into mouse brains.

>> ☐ **Anonymous** Sat May 28 12:18:05 2022 No.14521505

Quoted by: >>14523551 >>14530307

[>>14520199](#)

You meant prior retard

>> ☐ **Pax** Sat May 28 12:24:37 2022 No.14521520

Quoted by: >>14523725

[>>14521481](#)

I do what I can so that people who've had it rough in life can have a leg up on the circumstances that hold them back from reaching their full potential whether it's helping with their mental disorders, insecurities or brain injuries or chronic health conditions. I am surrounded by a community of well meaning people who wish to change their lives so that we can make their future that much brighter. I've been told many times that I've changed peoples lives and saved many lives.

I invite you and any anons present to come to my community where you can meet with me and the incredibly passionate individuals I know.

<https://chat.nootropicsrebirth.com/>

>> ☐ **Anonymous** Sat May 28 12:32:40 2022 No.14521535

[>>14521479](#)

are iron supplements bad for the brain then?

>> ☐ **Anonymous** Sat May 28 15:05:30 2022 No.14521765

File: 1.57 MB, 1200x848, mothschool.png [[View same](#)] [[iqdb](#)] [[saucenao](#)] [[google](#)]



[>>14521479](#)

Any causal links between this and decline in microbial gut health?

>> ☐ **Anonymous** Sat May 28 15:15:03 2022 No.14521787

[>>14521460](#)

did dilbertman get bells palsy?

>> ☐ **Anonymous** Sat May 28 15:26:08 2022 No.14521803

[>>14521479](#)

> **Intranasal insulin.**

Someone's going to die because of this post.



☐ **Anonymous** Sat May 28 15:55:50 2022 No.14521866

File: 594 KB, 640x480, 2022-04-15-1925\_9-CapObj\_50021.png [[View same](#)] [[iqdb](#)] [[saucenao](#)] [[google](#)]



Quoted by: >>14522104 >>14524547 >>14530960

[>>OP](#)

Here we go again. Hi, i'm a very junior member of a research group working on

ageing and anti ageing technology. These threads come up quite often and i do my best to answer when they do.

The things listed in the image are indeed aspects of ageing, but he did not go very deep beyond mentioning the surface of the hallmarks of ageing. Nothing said there suggests the guy did anything beyond read López-Otín's 2013 review paper "the hallmarks of ageing".

Anyway, there are dozens of people working on ageing, and anyone who is in it seriously understands the complexity of the problem. First, is the problem that though we do know the key cause of ageing, which is DNA damage, we don't know which of the several DNA damaging factors is the key contributor. Determining that will take at least a few years, if not more. Currently the literature suggests transposons may be the most important, that's what we are working on.

Second is the problem of how to fix the key cause of DNA damage, whatever it may be. Which can be really hard in some cases, and may require new not yet existing technologies.

Third is the problem of unintended consequences. Like how the high longevity daf mutant or FOXO mutant transgenic species tend to be almost sterile.

Fourth is that ageing may not be one mechanism, but layers and layers of synergising mechanisms. If this is the case, the solution may be really hard, as eliminating any one cause will have almost no effect.

In reality the opinion of the researchers working on this varies, but it is generally agreed that a cure for ageing or any high longevity treatment will come in 15 years at the earliest and up to a hundred years at the latest.

>> ☐ **Anonymous** Sat May 28 15:57:18 2022 No.14521873

Quoted by: >>14524547

[>>14521207](#)

Laron's syndrome prevents some types of cancer, not all of

them. Growth hormone receptors are often overexpressed in certain types of cancer as a means of outcompeting the surrounding tissue, and if those growth hormone receptors are nonfunctional, that sort of technique isn't going to work.

I'd imagine dysregulation of CDK could still cause cancer in Laron's syndrome patients, but even then that would be rare as the cell-cycle is regulated by growth hormone signalling. With that being said, I'm pretty sure anti-cancer drugs that specifically target growth hormone receptors already exist. If you happen to be making a similar drug, please look into it.

>> ☐ **Anonymous** Sat May 28 16:04:16 2022 No.14521891

[>>14521207](#)

I have no clue what you're saying because I get bitches, but FOXO4-DRI helps maintain senescent cells, watch a guy reduce his biological age by a year using it. It works through targeting p53 and stopping (or helping to prevent) apoptosis. Elizabeth Parrish (I'd fuck) also experimented on herself some form of gene therapy which reduced her biological age. FOXO4-DRI is no longer commercially produced but you can order a lab to synthesise it for you for a couple thousand.

>> ☐ **Anonymous** Sat May 28 17:25:43 2022 No.14522066

Quoted by: >>14524547 >>14527489

Every time I make a photocopy of a photocopy, and noticed how the quality declines?

Same thing when DNA replicates. That is aging.

>> ☐ **Anonymous** Sat May 28 17:44:01 2022 No.14522104

Quoted by: >>14527489

[>>14521866](#)

I think it's likely that the problem of aging is something so complicated that only evolutionary pressures, which can address many variables simultaneously, have any hope of addressing it. It seems like animals like to live some multiple of the minimum viable reproductive age. Obviously it wouldn't be good for an animal that takes 25 years to live only an average of 35. Therefore, it seems reasonable that aging would be addressed by evolution in these cases. It

may simply not be possible to address aging as a while by only addressing individual issues - they may be too innumerable and individually insignificant to be solved in that way.

>> ☐ **Anonymous** Sat May 28 17:49:04 2022 No.14522114

>>OP

Just eat less carbs. This solves most health problems.

>> ☐ **Anonymous** Sat May 28 18:37:35 2022 No.14522197

>>OP

>found on /pol/

opinion discarded

also not reading that

>> ☐ **Anonymous** Sat May 28 18:54:26 2022 No.14522226

>>14521479

anything for skin and or muscles?

>> ☐ **Anonymous** Sat May 28 19:05:33 2022 No.14522239

>>14521479

>Rapamycin, insulin

i can confirm this. back when i was an undergrad, i asked a professor that studied aging what the three best anti-aging compounds were and he said rapamycin, resveratrol, and metformin

>> ☐ **frank dux** Sat May 28 20:00:56 2022 No.14522324

are you the same wormpill poster?

are you in contact with wormpill poster?

>> ☐ **Anonymous** Sat May 28 20:40:56 2022 No.14522400

Quoted by: >>14524262

>>14521450

>people need to die for growth to occur

>Growth ends when you die anon.

I think what he meant is that progression and evolution of our species requires new organisms to be made, and obsolete organisms to die/stop consuming resources. Everything is cyclical. The longer a mind lives, the less it

creates/innovates and the more baggage it has weighing it down.

It sounds like you are going for life extension/enhancement instead of transhumanist "immortality" though, so good luck to you. How can we keep up with your progress?

>> ☐ **Anonymous** Sat May 28 20:47:14 2022 No.14522411

Quoted by: >>14531258

[>>14521361](#)

>browsing the internet and cherry-picking information that fits your narrow and limited world-view isn't science

Yes I'd much rather have some Jew decide what I read instead of having to think about new information myself

>> ☐ **Anonymous** Sat May 28 21:23:23 2022 No.14522474

just eat right and exercise  
means no chicken tendies from Mcdonalds everyday or every week or every other week.

>> ☐ **Anonymous** Sat May 28 21:56:06 2022 No.14522544

Quoted by: >>14533763

[>>14521366](#)

stupid ppl dont ask questions

>> ☐ **Anonymous** Sat May 28 23:42:44 2022 No.14523013

hey OP what do you think about cases of anomalously long fasting in humans?

>> ☐ **Anonymous** Sun May 29 02:05:57 2022 No.14523551

Quoted by: >>14531258

[>>14521505](#)

Ah fuck it, English isn't my mother tongue. You're right, but as long as my message reached you, that's what matters.

[>>14521361](#)

>browsing the internet and cherry-picking information that fits your narrow and limited world-view isn't science

I agree. But you're mistaken, /pol/ doesn't cherry-pick information, apart from the astroturfing going on, there's wisdom to be found there. As long as you aren't a dogmatic faggot.

Also, take your own advice.

>> ☐ **Anonymous** Sun May 29 03:17:40 2022 No.14523725

>>14521520

>group of barely finctional junkies

Yep. Thats my /pol/

>> ☐ **Anonymous** Sun May 29 04:13:39 2022 No.14523834

>>OP

>/pol/

Disregard immediately

>> ☐ **Anonymous** Sun May 29 04:23:06 2022 No.14523845

>>14518901

>Hear some dude talk about rocket science

>"Yo man, that stuff is something I don't understand. I can't keep up with talking with you man."

>"acksually, you can't say that. \*adjusts glasses\*. If you're as much a layman as you say you wouldn't have the ability to judge how little you know. Vis a vis it's the opposite of the dunning kruger effect. Mwhahah'

that's what you sound like.

>> ☐ **Anonymous** Sun May 29 04:31:50 2022 No.14523862

>>OP

>I'm a independent researcher in an online syndicate of biohackers

I'm not qualified to address his claims, but based on that line alone, it's probably nothing.


>> ☐ **Anonymous** Sun May 29 08:01:49 2022 No.14524258

Quoted by: >>14524262

I hope "Pax" doesn't end up like the inventors of water powered cars. If he is successful he would create a massive surge in the world's population.

There are a lot of powerful and rich depopulationists who would be very upset if he were to succeed in creating an anti-ageing solution.

Stay safe, bro.

☐ **Pax** Sun May 29 08:04:11 2022 No.14524262 

File: 115 KB, 720x527,

262916924\_1067525110456368\_1074904520923920096\_n1.jpg

[[View same](#)] [[iqdb](#)] [[saucenao](#)] [[google](#)]



Quoted by: >>14524345

[>>14522400](#)

[>>14524258](#)

Join me

<https://chat.nootropicsrebirth.com>

>> ☐ **Anonymous** Sun May 29 08:58:38 2022 No.14524337

Quoted by: >>14524381

[>>14521207](#)

You're talking about people who have metabolic syndrome.

>you have metabolic disorder because you don't exercise

>you are developing a drug to fix metabolic syndrome to avoid exercising

>> ☐ **Anonymous** Sun May 29 09:01:13 2022 No.14524342

Quoted by: >>14524381

[>>14521450](#)

>Here's how I aim to accomplish this. I'm currently using intranasal insulin 100 units per day+ 100mcg HA-P6 several times per week.

Or... you could just run laps and lift weights. But you won't exercise.

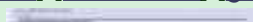
>I've also learned from a couple neuroscientists I work closely with that helped mentor me to a degree.

Ask them about exercise.

>> ☐ **Anonymous** Sun May 29 09:03:44 2022 No.14524345 

File: 34 KB, 1362x101, how steesatsu became gay.png [[View same](#)]

[[iqdb](#)] [[saucenao](#)] [[google](#)]



Quoted by: >>14524381

[>>14524262](#)

HEY LOOK EVERYONE!!

THIS HOMOSEXUAL PEDOPHILE IS LOOK FOR VICTIMS TO

COERCE ON 4CHAN  
OMG HOW COMPLETELY UNNUSUAL AND CREATIVE  
LMAO IMMA GO TELL UBOACHAN ALL ABOUT THIS

>> ☐ Pax Sun May 29 09:33:52 2022 No.14524381

File: 250 KB, 1055x1076,  
242417873\_10159671895386473\_2249115099719976906\_n.jpg  
[\[View same\]](#) [\[iqdb\]](#) [\[saucenao\]](#) [\[google\]](#)



Quoted by: >>14524547 >>14525073 >>14527107 >>14530440

[>>14524337](#)

>you have metabolic disorder because  
you don't exercise

>you are developing a drug to fix  
metabolic syndrome to avoid exercising

If you put it that way that does sound incredibly cool.

[>>14524342](#)

I've not made a point anywhere to disparage the efficacy of  
healthy diet and exercise.

I work closely with a group of people some of which suffer  
from Chronic Fatigue syndrome.

Covid, epstein barre virus, chronic chemical exposure,  
metal toxicity all promoting a not well understood disorder  
that is known to have the worst quality of life index of all  
chronic illnesses.

Diet and exercise are great for promoting health and  
longevity for those who possess grit, and self control to be  
health conscious. There's still ways in which we can  
improve people's quality of life with chronic health  
conditions or mental disorders such as ASD,intellectual  
disabilities, Schizophrenia, and neurodegenerative  
diseases, Traumatic brain injury, stroke, Multiple sclerosis,  
Huntingtons disease. Diet and Exercise is not a silver bullet  
that's going to cut through the progression of these chronic  
health conditions the way that targeted therapies can treat  
the disorder

[>>14524345](#)

Excuse me? I find it hard to understand how you'd jump to  
such a conclusion and make such an egregious accusation  
about me or have the thought to compare me to someone

that would do such a disgusting act. I'm a scientist doing what I can to improve the lives of people from all backgrounds that wish to become better versions of themselves.

I don't know how you'd make such a baseless accusation but you have. I'm Trying to do what I can to make people smarter and healthier so they can be more empowered to brighten the lives of everyone they know. I wish you well anon

>> ☐ **Anonymous** Sun May 29 09:36:46 2022 No.14524382

[>>OP](#)

So...brain insulin resistance? That's not a novel idea.

>> ☐ **/SCI/ ANON SOLVES AGING AND METABOLIC DISORDERS** Sun May 29 11:35:25 2022 No.14524547

[>>14524381](#)

why not reply to [>>14521866](#) [>>14521873](#) or [>>14522066](#) ?  
Of course I know why, because you're a schizo on a manic episode ignoring all the evidence that goes against you

>> ☐ **Anonymous** Sun May 29 13:34:49 2022 No.14524678  
File: 99 KB, 746x512, 1619057648203.png [\[View same\]](#) [\[iqdb\]](#)  
[\[saucenao\]](#) [\[google\]](#)



[>>14521168](#)

Please anon, don't get your self kill, I believe in you

>> ☐ **Anonymous** Sun May 29 16:38:41 2022 No.14524873

[>>14521479](#)

as long as you don't deceive people into being your lab rats it's all fine. Keep on posting the experimentation you did with your body here, don't encourage others to do so.

>> ☐ **Anonymous** Sun May 29 18:30:54 2022 No.14525054

[>>14521168](#)

have you heard of ray peat? what do you think of his ideas?

>> ☐ **Anonymous** Sun May 29 18:35:56 2022 No.14525060



[>>14521207](#)

>low igf good

so I shouldn't drink milk?

>> ☐ **Anonymous** Sun May 29 18:44:02 2022 No.14525073

Quoted by: >>14527021

[>>14524381](#)

>Diet and Exercise is not a silver bullet that's going to cut through the progression of these chronic health conditions the way that targeted therapies can treat the disorder

No. Its the stainless steel bullet. The one that works.

The one that doesn't work is the mythical silver bullet. The one sold to the gullible, the lazy, and the stupid, that has been shilled since time immemorial.

>> ☐ **Anonymous** Sun May 29 18:48:33 2022 No.14525080

By the way, neuroscientists aren't your friends.

Don't mistake their enthusiasm for someone willing to undergo uncontrolled experiments with novel chemicals for friendship.

>> ☐ **Anonymous** Mon May 30 09:38:47 2022 No.14527021

Quoted by: >>14528428

[>>14525073](#)

off yourself, brainlet. You know nothing about neuroscience. That anon is right about deferoxamine and insulin doing what it does. Exercise doesn't heal CFS and other disorders.

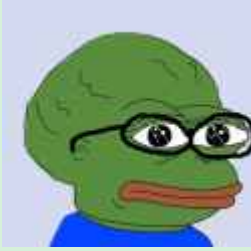
>> ☐ **Anonymous** Mon May 30 10:31:48 2022 No.14527107

[>>14524381](#)

The fact that you're going to make a drug hurts your credibility. Sure, it might be more effective if you can get it to market, but if it actually is effective it'll get buried one way or another. The best thing you could do is find existing chemicals that can't really be owned, but have the same function.

>> ☐ **Anonymous** Mon May 30 11:13:48 2022 No.14527187

File: 49 KB, 770x760, 9421989986.jpg [\[View same\]](#) [\[iqdb\]](#) [\[saucenao\]](#) [\[google\]](#)



Quoted by: >>14527367 >>14532087

[>>14521168](#)

[>>14521207](#)

My reply from the thread you spammed on /pol/:

I understood 100% of what he is saying.

Most of it is intentionally complex to confuse the reader and pump up OP's ego.

Obviously, oxidative stress causes tissue inflammation which induces cell death more rapidly. In turn, this ensures that DNA is continually damaged with each replication and the telomeres are shortened. This is what causes aging, not only aging, but to anyone who understands biology, most chronic, degenerative diseases.

OP does not even attempt to address how he intends to prevent telomeres from shortening. It seems he desires to prevent cell death which would quickly induce cancer as cells would not die and instead replicate uncontrollably. To administer such a "drug" would be to commit mass murder.

Or perhaps he also intends to modulate cell replication, which would also be a nearly impossible feat, unless you could manage to hijack the body with nanomachines but that also brings up dire issues.

>TLDR;

OP's idea is fake and gay. It's not revolutionary either.

>> ☐ **Anonymous** Mon May 30 11:29:49 2022 No.14527210

[>>OP](#)

>anime pircel

>you still question the legitimacy of the information

OP is a faggot exhibit A

>> ☐ **Anonymous** Mon May 30 13:45:29 2022 No.14527367

Quoted by: >>14531026

[>>14527187](#)

so all that stuff about people with Laron's disease don't get

cancer and the shit with the rats is all fake?

>> ☐ **Anonymous** Mon May 30 14:35:46 2022 No.14527433

>>OP

>found on /pol/

lolno

>> ☐ **Anonymous** Mon May 30 14:39:53 2022 No.14527437  
File: 94 KB, 725x739, 1649296250246.jpg [[View same](#)] [[iqdb](#)]  
[[saucenao](#)] [[google](#)]



>>OP

where are the jannies when you need them

obvious troll thread

>> ☐ **Anonymous** Mon May 30 14:47:18 2022 No.14527454

>>OP

>anime nigger tranny keeps spamming the same unreadable retarded /x/ tier thread

>/pol/tards will still reply to it

>> ☐ **Anonymous** Mon May 30 15:01:24 2022 No.14527489  
File: 894 KB, 726x647, andromeda0006.png [[View same](#)] [[iqdb](#)]  
[[saucenao](#)] [[google](#)]



>>14522104

I disagree with this in some parts, though your idea on longevity, evolution and reproductive age is interesting and a good observation.

However... We understand the overview of ageing enough that we know it can be fixed. It just may be really hard. Transposons can be silenced via targeted methyl transferase enzymes, telomers can be regrown through extopic expression of telomerase enzyme, epigenetic cellular rejuvenation can be done through application of yamanaka factor, stem cell attrition may be solvable by forced expression of the PIWI-piRNA pathway, a unique marker of scenescence was recently identified which would allow us to increase clearance, declining proteostasis is a hard one, but increased expression of proteosomes helps, sterile inflamatin can be reduced via targeting cDNA...

We know the problems and have some solutions, all we need are more effective solutions, and a clearer idea as to what to focus on most.

Evolution actually has cured ageing in some cases, like hydra vulgaris, some sponges, some acoels, planarians and all germlines. Also to understand ageing and evolution it is worth looking at the vast age difference between the major workers and reproductives of *Macrotermes bellicosus*.

[>>14522066](#)

Yes, and no. It's actually really interesting. Copying errors are a factor of ageing, but if it were the only one, ageing would be linear. But ageing doesn't show linear growth. We can show this quantifiably but just think about it. How much do you age from 0-40 (keep in mind development is a totally different process from ageing). How much more do you age from 40-80, and how much more from 80-120. It's exponential.

There are two factors in this: one) the antagonistic hallmarks of ageing pass their tipping point, two) transposon expression is exponential and so its DNA damaging effects are too.

Basically ageing is a series of hierarchical DNA damaging factors, each of which causes and is caused by the other.

>> ☐ **Anonymous** Mon May 30 18:40:03 2022 No.14527866

[>>14521222](#)

Dr. Pepper

>> ☐ **Anonymous** Mon May 30 21:28:27 2022 No.14528428

[>>14527021](#)

>Exercise doesn't heal CFS and other disorders.

Lifelong dietary derangement and sedentary lifestyle can be overcome with painful and consistent exercise.

Good luck with your single miracle molecule vaporware/placebo, you degenerate moron.

>>/x/ is that way

>> ☐ **Anonymous** Mon May 30 22:22:49 2022 No.14528540

>intranasal insulin

Don't do the shit you read in this thread, you could die. OP is trolling.

>> ☐ **Anonymous** Mon May 30 22:39:33 2022 No.14528578

>>OP

the only think you need to focus on is "biohacker".  
That right there tells you all you need to know about this  
shill.

>> ☐ **Anonymous** Tue May 31 11:51:53 2022 No.14530293

>>OP

medfags will do what they do best and say

it MAY be true  
but UNLIKELY

>> ☐ **Anonymous** Tue May 31 12:00:21 2022 No.14530302

Quoted by: >>14530311

>>OP

morons can't even create a single cell from scratch or cure  
balding yet they trust the science we have now to be the  
end-all-be-all true model of exact reality instead of  
fanfictions we pretend to represent the actual thing

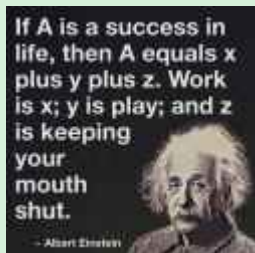
>> ☐ **Anonymous** Tue May 31 12:11:41 2022 No.14530307

>>14521505

former is the word (and I'm not even a native speaker)

>> ☐ **Anonymous** Tue May 31 12:13:34 2022 No.14530309

File: 51 KB, 500x500, cc96f9b48af6e0297cbc7b2e814bd3b7.jpg [\[View same\]](#) [\[iqdb\]](#) [\[saucenao\]](#) [\[google\]](#)



>>OP

I wish him luck, but he talks too much.

>> ☐ **Anonymous** Tue May 31 12:15:06 2022 No.14530311

File: 401 KB, 1400x2365, IMG\_3015.jpg [\[View same\]](#) [\[iqdb\]](#) [\[saucenao\]](#) [\[google\]](#)



Quoted by: >>14530343



[>>14530302](#)

Because we don't want to create cells from scratch and we don't care about our haircuts.

>> ☐ **Anonymous** Tue May 31 12:58:08 2022 No.14530343

Quoted by: >>14530393

[>>14530311](#)

>Because we don't want to create cells from scratch

It's not that you don't want to, you simply cannot

<https://www.youtube.com/watch?v=zU7Lww-sBPg>

>> ☐ **Anonymous** Tue May 31 13:32:10 2022 No.14530390

[>>OP](#)

poster is fake and gay

>> ☐ **Anonymous** Tue May 31 13:34:30 2022 No.14530393

File: 665 KB, 3000x2000, ezgif-4-0f7f7577f7.jpg [\[View same\]](#) [\[iqdb\]](#)  
[\[saucenao\]](#) [\[google\]](#)



Quoted by: >>14530397 >>14530455 >>14530456

[>>14530343](#)

Define "from scratch".

They recently made up a synthetic molecule by placing a preprogrammed dna assembled by nucleotide into an existing cell.

If you think they cannot create the membrane and the organelles, you have to tell me why you think so.

Printing whole cells is the next step, but it will be only a show-off to demonstrate the power of their 3d atomary printers.

But then you will say "why don't you come up with your own atoms first" and when they finally find ways to weave particles out of the thin air, you will scream "why don't you come up with your own ether" and so on.

But boldness is cool, because it's a safe aging indicator, and if your immortality serine makes your hair grow, you will not have to wait for twenty years to tell if you succeeded or not, two will be enough.

I'm not watching that evangelist shit, if I'm missing something, feel free to inform me on it.

>> ☐ **Anonymous** Tue May 31 13:38:56 2022 No.14530397

[>>14530393](#)

>synthetic molecule

synthetic cell (synthetic molecules were made looong time ago)

>> ☐ **Anonymous** Tue May 31 14:18:11 2022 No.14530440

[>>14524381](#)

a close family member works at the top of Flagship Pioneering. should I show stuff to him? hundreds of millions in funding is their daily business

>> ☐ **Anonymous** Tue May 31 14:26:36 2022 No.14530455

Quoted by: >>14530462

[>>14530393](#)

>Define "from scratch".

Create a cell wall using only its components.

>> ☐ **Anonymous** Tue May 31 14:27:43 2022 No.14530456

Quoted by: >>14530477

[>>14530393](#)

>you have to tell me why you think so.

You just said it, they had to use a preexisting cell to build it for them

C'mon, create a DNA using only the aminoacids that compose it

>> ☐ **Anonymous** Tue May 31 14:29:15 2022 No.14530462

Quoted by: >>14530466 >>14530476

[>>14530455](#)

that has happened

whell it was a plasma membrane but still the hard thing is puting them together or creating dna code from scratch

>> ☐ **Anonymous** Tue May 31 14:32:35 2022 No.14530466

Quoted by: >>14530481

[>>14530462](#)

>whell it was a plasma membrane but still

>the hard thing is puting them together

Yeah that's what I'm saying, a synthetic organic chemist

said this has never been done, putting the lipids and the machinery together like Lego blocks

>> ☐ **Anonymous** Tue May 31 14:36:21 2022 No.14530473

Quoted by: >>14530483

>>OP

Anime has really created a generation of sociopathic and delusional narcissists.

>> ☐ **Anonymous** Tue May 31 14:37:45 2022 No.14530476

File: 399 KB, 1639x1159, PS-Cell-Membranes.jpg [[View same](#)] [[iqdb](#)] [[saucenao](#)] [[google](#)]



Quoted by: >>14530481

>>14530462

Is this what you're talking about?

<https://dodamp.com/how-to-make-your-plasma-membrane-from-scratch/>

I meant an actual cell membrane with its proteins and phospholipides

One of the points James Tour makes is that even scientists can't build a cell given all the components, yet they claim random collisions can do it

[https://www.youtube.com/watch?v=r4sP1E1Jd\\_Y](https://www.youtube.com/watch?v=r4sP1E1Jd_Y)

>> ☐ **Anonymous** Tue May 31 14:38:06 2022 No.14530477

>>14530456

>create a DNA using only the aminoacids that compose it

You're a clueless faggot. It's proteins consist of aminoacids. Forchong educative.

>> ☐ **Anonymous** Tue May 31 14:40:29 2022 No.14530481

>>14530466

the phospholipids did create a double layer  
so a cell part being created from their base componets did happen

>>14530476

no it was an expiramnet in the 60s it had phospholipds but no proteins on the surface or spaning the with of the membrane



☐ **Anonymous** Tue May 31 14:41:03 2022 No.14530483

[>>14530473](#)

Do not bring Anime into this. All Americans are what you described

>> ☐ **Anonymous** Tue May 31 16:51:05 2022 No.14530714

File: 366 KB, 1280x1449, tired.jpg [\[View same\]](#) [\[iqdb\]](#) [\[saucenao\]](#) [\[google\]](#)



[>>14521207](#)

so where are we on Space Marines

>> ☐ **Spartacus !yYDPKpmz/I** Tue May 31 18:41:15 2022 No.14530960

Quoted by: [>>14530975](#) [>>14531270](#) [>>14531289](#)

[>>14521866](#)

While studying COVID-19, I couldn't help but notice many similarities between the effects of the virus and the effects of aging.

>amyloid deposition

>DNA damage

>lipid peroxidation

>iron dysmetabolism

>glucose dysmetabolism

>chronic inflammation

In fact, studying COVID-19 opened up new and interesting vistas for me in terms of analyzing the causes and effects of aging processes and pathways. It's not just one thing, like copying errors. Cosmic radiation, oxidative stress, and various other factors contribute to genomic damage in somatic cells. Once the blueprints are damaged, protein synthesis starts failing, and the failing protein synthesis, in turn, promotes further aging by inducing various stress pathways that recursively cause more oxidation, more DNA damage, and so on. So, in a sense, Linus Pauling was right, but he was also wrong. This cannot be fixed by chugging antioxidants. Normally, the body itself and numerous enzymatic pathways regulate ROS very tightly, provided that one has balanced nutrition, particularly nutrition rich in the "master" antioxidant substrates that improve glutathione and selenoprotein production (i.e. foods high in cysteine and selenium). Japanese diets provide some

interesting clues as to how aging may be forestalled. One might say that the pescatarian, vegetable-rich diet in Asia is a huge boon to endothelial health and longevity.

>> ☐ **Spartacus** !yYDPKpmz/I Tue May 31 18:48:17 2022 No.14530975

Quoted by: >>14530987 >>14531270 >>14531492

>>14530960

You know the old saying "you are only as old as your endothelium", right? Well, COVID-19, being a viral vascular endotheliitis, directly attacks the endothelium, promoting endothelial glycocalyx degradation, endothelial dysfunction, edema of the small capillaries in the lungs, et cetera (this ultimately leads to viremia, sepsis, and death in the severe cases). The vascular endothelium is a major site of redox activity in the body. Lots of different reactive oxygen and nitrogen species are constantly being produced. Endothelial nitric oxide synthase is constantly releasing tons of NO to regulate vascular tone. When you dig into the redox pathways of the blood vessels, the whole affair is surprisingly violent, but normally well-regulated by enzymatic activity. Megadosing Vitamin C is kind of superfluous. Normally, glutathione peroxidase, glutaredoxin, thioredoxin, and other key oxidation-reduction pathways deal with excess oxidative stress automatically, but they can only do so if one has balanced nutrition. A diet high in processed food promotes more rapid aging for the simple fact that it is carbohydrate-rich but micronutrient-poor, so many of these enzymes run short on these substrates, and that's what you see in people who have elevated rates of COVID-19 mortality; surprisingly low glutathione levels despite their young age. Diabetes, obesity, and hypertension all have the aged vascular phenotype in common. African-Americans suffer from higher COVID-19 mortality because of rampant endothelial dysfunction due to genetic differences in eNOS efficiency and higher rates of Vitamin D deficiency, leading to calcification and stress of vascular endothelial cells. These conditions make COVID-19 substantially worse, for numerous reasons (lack of proper regulation of ROS, lack of proper regulation of inflammatory transcription factors). In fact, low endothelial NO makes the virus replicate much faster because NO is antiviral against SARS-CoV-2 Spike.

>> ☐ **Spartacus** !yYDPKpmz/I Tue May 31 18:53:57 2022 No.14530987

Quoted by: >>14531020 >>14531270

>>14530975

There are papers that explicitly describe the effects of COVID-19 as, and I quote, "a challenge to the physiology of aging":

<https://www.frontiersin.org/articles/10.3389/fphys.2020.584248/full>

Martin L. Pall has described, in his papers, something called NO/ONOO- disease, which is a feedback loop in the vascular endothelium whereby excess superoxide production leads to NOS uncoupling.

>NO reacts with superoxide to make peroxynitrite

>peroxynitrite, as a damaging nitrogen radical, nitrates tyrosine to make nitrotyrosine

>peroxynitrite also destroys BH4 cofactors needed by eNOS to make NO

>eNOS enzymes enter "uncoupled" state

>the product of uncoupled eNOS is now more superoxide

>NO reacts with superoxide to make even more peroxynitrite

>rinse, repeat

COVID-19 induces this directly. SARS-CoV-2's viroporins act as calcium ion channels and draw calcium into cells. The action of Spike on ACE2 also leads to a bradykinin storm, which further enhances intracellular calcium pathway activity, leading to metabolic overdrive, mitochondrial stress, and extreme ROS release in the vascular endothelium, which, in turn, promotes NO/ONOO- disease. This leads to runaway kindling radical formation, liberation of iron stores, hydroxyl radical formation, and, inevitably, lipid peroxidation, ferroptosis, and parthanatos of the tissues.

>> ☐ **Spartacus** !yYDPKpmz/I Tue May 31 19:10:12 2022 No.14531020

Quoted by: >>14531035 >>14531270 >>14531291

>>14530987

SARS-CoV-2's Spike has been said to inhibit nuclear DNA repair, and both Spike and Nucleocapsid are amyloidogenic and promote amyloid fibril formation.

This is 100% relevant to the processes of aging. The very

definition of an Alzheimer's-afflicted brain is:

>DNA damage

>amyloid deposition

>iron dysmetabolism

>lipid peroxidation

>ferroptosis and parthanatos of brain tissues

From this basic analysis, we have something of a perfect portrait of a cell undergoing aging processes. Its DNA is damaged by oxidative stress, cosmic radiation, copy errors, et cetera. The cell cannot synthesize various proteins that it needs for optimal function as efficiently as before. There are insoluble protein plaques accumulating in the tissues. Iron is being mishandled. Insulin resistance develops. Proper and regulated glucose metabolism and lipid metabolism are breaking down. Reactive oxygen species are not being detoxified as efficiently.

In fact, a recent article puts all of this into perspective. All species die after accumulating the same number of somatic cell mutations:

<https://www.biorxiv.org/content/10.1101/2021.08.19.456982v2>

(the final version of this was published in Nature, but 4chan's anti-spam filter blocks links to Nature articles)

This kind of puts the anti-aging crowd in a bit of a bind. It looks like the most important thing, for reversing aging, is to undo mutations in somatic cells. This is an immense bioengineering/nanodrug challenge, because our bodies contain countless somatic cells that each have their own copies of our genetic material, and to reverse mutations, you'd need to have the ability to go in and edit basically all of them with precision gene snipping, without giving yourself cancer or destroying your chromosomes.

I actually mean it when I say good luck. This would be basically the pinnacle of achievement in medicine. So many illnesses are linked to aging processes, it's not even funny.

[>>14527367](#)

Yes

>> ☐ **Spartacus** !yYDPKpmz/I Tue May 31 19:18:52 2022 No.14531035

Quoted by: >>14531189 >>14531217 >>14531270

[>>14531020](#)

BTW, this can't be fixed by lengthening telomeres. Those are just nature's little CRC check on the chromosomes. They indicate the likelihood of genetic damage, just like the expiration date on a pack of meat indicates the likelihood of spoilage. You can't reverse chromosomal damage by lengthening telomeres, just as you can't put off the spoilage of meat by slapping a later date sticker on the package. However, after restoring the condition of the nuclear DNA in a cell, one might want to give it a "clean bill of health" by lengthening them, of course. In order to restore nuclear DNA to a youthful condition, one must know what it looked like before accumulating damage. Lots of gene sequencing is necessary. The younger the subject, the better. That way, you can establish a baseline of what the cells are supposed to look like before aging sets in. Of course, not all cells in the body age uniformly. It's kind of like a swarm. Some populations of cells degrade faster than others, such that the aged body is a mixture of middle-aged and senescent cells. Also, if someone is already aged, then their body is made up of a large proportion of, essentially, malfunctioning cells, and these would have to be turned over and disposed of over time.

This poses a problem for the human brain, for which there is actually very little turnover. It also poses a problem for the heart, where scar tissue is basically permanent. Some populations of cells act kind of like roadblocks to regeneration.

>> ☐ **Anonymous** Tue May 31 20:30:57 2022 No.14531189

[>>14531035](#)

Actually no. You can take the consensus sequence data of people in perfect health so to speak. Then you can simply substitute that set of sequences in the genome as a completely new chromosome. Restoring the original is not necessary if you're gonna be substituting anyway.

>> ☐ **Anonymous** Tue May 31 20:46:51 2022 No.14531217

[>>14531035](#)

Yeah but the stuff that causes telomere lengthening, usually causes apoptosis in the clearly damaged cells. See Epitalon.

On that note, look into Amalaki fruit. (amla/amrita, indian gooseberry.)

It's name is linguistically connected to Ambrosia.

>> ☐ **Anonymous** Tue May 31 20:51:55 2022 No.14531231

[>>14518914](#)

Lmfao

>> ☐ **Anonymous** Tue May 31 20:52:54 2022 No.14531235

[>>14520199](#) Chek'd

Praise Kek!

Heil Hitler!

Sieg Heil! Sieg Heil! Sieg Heil!

>> ☐ **Anonymous** Tue May 31 20:56:52 2022 No.14531248

[>>14521207](#)

>larons syndrome

symptoms

>Affected individuals classically present with short stature between -4 to -10 standard deviations below median height, obesity, craniofacial abnormalities, micropenis, low blood sugar, and low serum IGF-1 despite elevated basal serum GH

>micropenis

NEXT!

>> ☐ **Anonymous** Tue May 31 20:57:58 2022 No.14531256

[>>14521252](#)

Replace Piracetam with Phenylpiracetam. Remove (((aspartame)))

>> ☐ **Anonymous** Tue May 31 20:58:54 2022 No.14531258

[>>14522411](#)

you don't think about new information yourself

you have it picked up by a mob of disenfranchised and

uneducated people, along with their grifters and enablers

being a contrarian doesn't make you special or enlightened

>>14523551

>/pol/ doesn't cherry-pick information

I've yet to see /pol/ agree with a mainstream source like WHO, even if their information is completely correct and well-researched, out of sheer resentment

>> ☐ **Anonymous** Tue May 31 21:02:26 2022 No.14531270

>>14530960

>>14530975

>>14530987

>>14531020

>>14531035

>tripfaggoting this hard

interesting read nonetheless

>> ☐ **Anonymous** Tue May 31 21:03:19 2022 No.14531272

Thank your parents for "adapted" genes. "Omega Incel" it's fate. Weak inter low reactive psychics and autism - you've been a loser since birth.

>> ☐ **Anonymous** Tue May 31 21:09:18 2022 No.14531289

>>14530960

>One might say that the pescatarian, vegetable-rich diet in Asia is a huge boon to endothelial health and longevity

Bullshit

<https://www.carnivoreisvegan.com/hong-kong-long-life-eat-meat/>

>> ☐ **Pax** Tue May 31 21:09:36 2022 No.14531291

>>14531020

Yeah you'd hit the nail on the head describing aging pathologies and it's all directly tied to iron dysbiosis within the brain.

The spike protein for covid promotes iron dysbiosis by the same mechanisms and amyloid beta, bacterial endotoxins, and through promoting iron dysbiosis within the cytosol of our neurons, microglial cells, astrocytes, and oligodendrocytes they all promote reactive oxygen species formation within the cell including catalysing the production of peroxynitrates. Through a variety of factors which increase intracellular iron within our brain cells this promotes cellular senescence and in the case of microglial

cells, and astrocytes inflammatory reprogramming. This produces brainfog, cerebral insulin resistance, reduces insulin transport into the brain and aggravates the aging of our braincells and cognitive decline. The failure of cerebral insulin sensitivity promotes endolysosomal deacidification that dissociates iron from our mitochondrial machinery and forms free iron within the endosome as well as promotes leakage of iron into the cytosol directly contributing to oxidative stress and aggravation of glutamatergic excitotoxicity. increasing iron accumulation in microglial cells promote senescence of microglia and the same is observed for astrocytes.

Chelating iron from the brain with intranasal deferoxamine would mitigate and reverse the iron accumulation in the brain that leads to cognitive decline and likely decline of metabolic homeostasis through restoration of proteostasis and mitochondrial function to a youthful state.

<https://elifesciences.org/articles/73456>

<https://www.frontiersin.org/articles/10.3389/fpubh.2022.881412/full>

<https://pubmed.ncbi.nlm.nih.gov/14975450/>

<https://pubmed.ncbi.nlm.nih.gov/33057378/>

<https://www.sciencedirect.com/science/article/pii/S2213231720309940>

>> ☐ **Anonymous** Tue May 31 21:14:43 2022 No.14531307

[>>14521168](#)

>saturated fats reduce neuronal insulin sensitivity

Way to out yourself as a moron

<https://www.usagainstalzheimers.org/content/march-2015-can-coconut-oil-really-help-alzheimers>

>> ☐ **Anonymous** Tue May 31 21:16:09 2022 No.14531313

Quoted by: >>14531342 >>14531419

Are there any communities or good resources to keep up with developments towards this? Some of you have very interesting responses and I'm curious where you go to or participate in regularly.

>> ☐ **Pax** Tue May 31 21:26:41 2022 No.14531342 🏠

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[>>14531313](#)

chat.nootropicsrebirth.com

>> ☐ **Anonymous** Tue May 31 21:30:06 2022 No.14531355

[>>14521168](#)

You do you anon

>> ☐ **Anonymous** Tue May 31 21:38:34 2022 No.14531388


Quoted by: [>>14531422](#) [>>14531429](#)

A promise to any who can deliver me immortality:  
Grant me immortality and you shall have my loyalty without  
question.

>> ☐ **Anonymous** Tue May 31 21:51:14 2022 No.14531419

File: 34 KB, 1362x101, how steesatsu became gay.png [\[View same\]](#)  
[\[iqdb\]](#) [\[saucenao\]](#) [\[google\]](#)

[>>14531313](#)

>> ☐ **Pax** Tue May 31 21:51:36 2022 No.14531422 

Quoted by: [>>14531425](#) [>>14531432](#)

[>>14531388](#)

Join me.

>> ☐ **Anonymous** Tue May 31 21:52:53 2022 No.14531425

[>>14531422](#)

Басед

>> ☐ **Anonymous** Tue May 31 21:54:01 2022 No.14531429

Quoted by: [>>14534539](#)

[>>14531388](#)

Go study Judaism then, if you don't want to taste death you  
will have to reach Enoch's level

[https://www.youtube.com/watch?v=6SEhJ\\_7TyZc](https://www.youtube.com/watch?v=6SEhJ_7TyZc)

>> ☐ **Anonymous** Tue May 31 21:55:10 2022 No.14531432

[>>14531422](#)

I shall lurk around for now, as I currently lack the  
knowledge to actively participate.

But know that I will be around, waiting and learning patiently for the moment to re-announce my pledge.

>> ☐ **Anonymous** Tue May 31 21:55:22 2022 No.14531434

Imagine wanting to linger in this hellhole forever

>> ☐ **Anonymous** Tue May 31 22:04:41 2022 No.14531470

>>14521168

can i just eat 2-3 pcs of boiled egg everyday?

>> ☐ **Anonymous** Tue May 31 22:10:49 2022 No.14531492

>>14530975

Thoughts on glutathione/NAC supplementation? OP image also talks about glutamate, which is supposedly reduced by NAC, a precursor to glutathione.

>> ☐ **Anonymous** Tue May 31 22:21:25 2022 No.14531522 

>>14521232

anime board, spic faggot go shoot some baboons.

>> ☐ **Anonymous** Wed Jun 1 00:17:10 2022 No.14531874

>>14521168

Please anon don't let me down. Achieve it. I want to be in my twenties forever.

>> ☐ **Anonymous** Wed Jun 1 00:49:04 2022 No.14531967

Quoted by: >>14532195 >>14532227

>>14521168

Biz here, what's your company name and how can we invest in it.

>> ☐ **Anonymous** Wed Jun 1 01:34:02 2022 No.14532087

>>14527187

>Obviously, oxidative stress causes tissue inflammation which induces cell death more rapidly. In turn, this ensures that DNA is continually damaged with each replication and the telomeres are shortened

Unironically how does exercise help with this? Doesn't exercise actually cause more oxidative stress?

☐ **Anonymous** Wed Jun 1 02:12:22 2022 No.14532195

>>14531967

my associate will get back to you soon

>> ☐ **Anonymous** Wed Jun 1 02:14:43 2022 No.14532204

>>14521358

they all die tf are you talking about?

>> ☐ **Anonymous** Wed Jun 1 02:23:17 2022 No.14532227

>>14531967

I'm his friend and associate, reach out for Pax here

<https://chat.nootropicsrebirth.com/channel/a-casual-chat>

(that's him not me)

>> ☐ **Anonymous** Wed Jun 1 02:25:14 2022 No.14532233

Quoted by: >>14532473

>>OP

Someone transcript this into simple english for brainlets like me.

>> ☐ **Anonymous** Wed Jun 1 03:42:31 2022 No.14532473

>>14532233

Yeah I don't understand any posts I swear these terms are not even english I can't even understand how you can string together a paragraph where not even a single sentence is accessible

>> ☐ **Anonymous** Wed Jun 1 11:38:41 2022 No.14533713

>>14518906

>still doesnt have an answer for scarring and general skin degredation,

Will look like shit and be forced onto an iron lung real fountain of youth that one.

>> ☐ **Anonymous** Wed Jun 1 12:07:45 2022 No.14533763

>>14522544

Well yeah, stupid people think they have all the answers.

>> ☐ **Anonymous** Wed Jun 1 13:29:57 2022 No.14533895

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>>14521168

We have an ambitious one here, I am also making a breakthrough in a different field. It's nice to see those that strive for more, but I don't know how you'll turn once you achieve it, I will keep watch over you now. Don't disappoint me.

>> ☐ **Anonymous** Wed Jun 1 13:37:23 2022 No.14533908

>>14521168

too much jargon

>> ☐ **Anonymous** Wed Jun 1 20:34:00 2022 No.14534539

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>>14531429

Why would ((s)He(m)) make you guys so homosexual?

<https://www.youtube.com/watch?v=5ibb12IXeDM>

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