How to protect and help your cells with Incelligence Nutritional Technology

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Why are the USANA Cellsentials so much better than all other supplements?









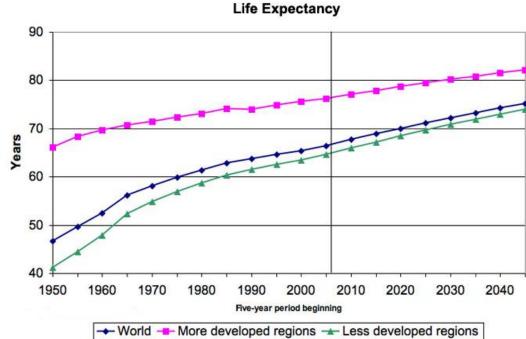
Medicine and governments have a real problem





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People are growing older:







Medicine and governments have a real problem

- People are growing older
- As they age they develop diseases





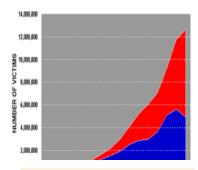


Who is going to pay???



Medicine has an even greater problem

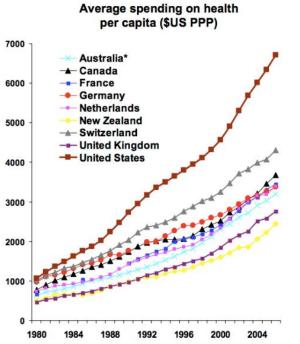
Alzheimer's



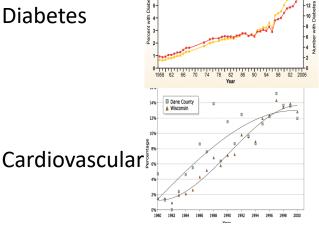
Number and Percentage of U.S. Population with Diagnosed Diabetes

Chronic degenerative diseases

- Despite the \$trillions spent on
- Drugs, operations, other treatments
- They just continue to rise



Diabetes



Cancer



With the USANA Cellsentials – we could possibly have an answer

We all need to know about this.







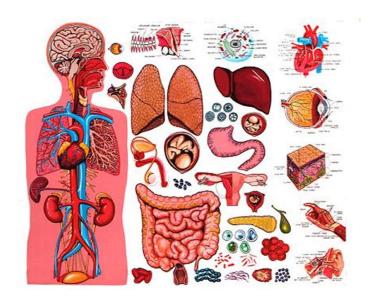


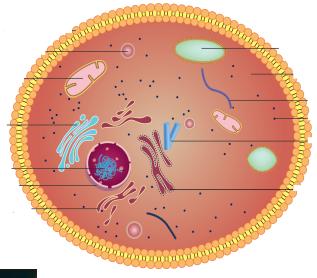


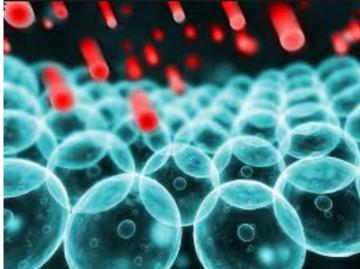


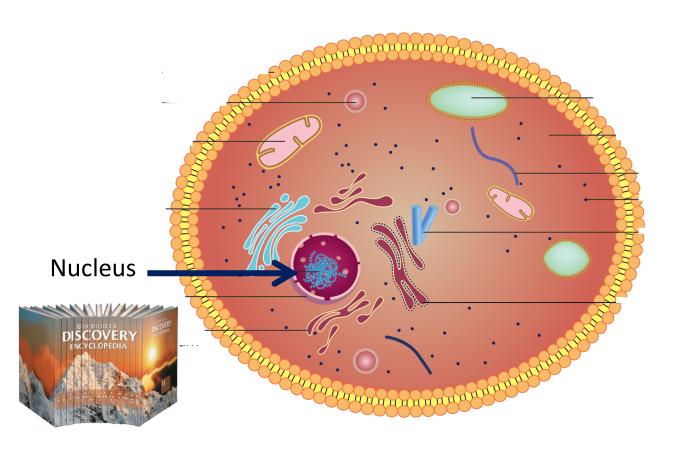


To understand how – we need to understand our cells and how they respond to the outside world.

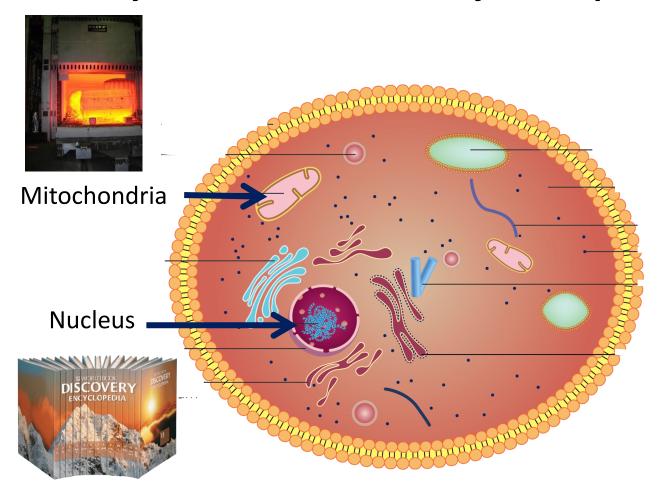




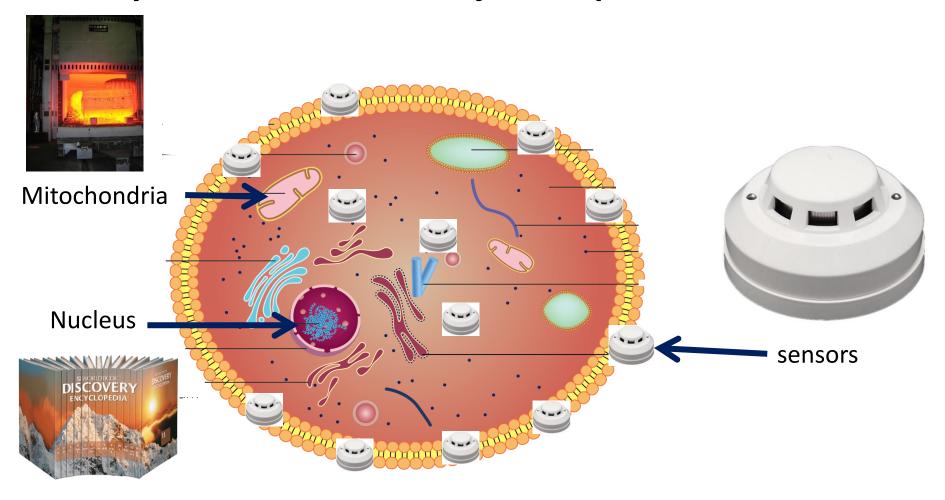




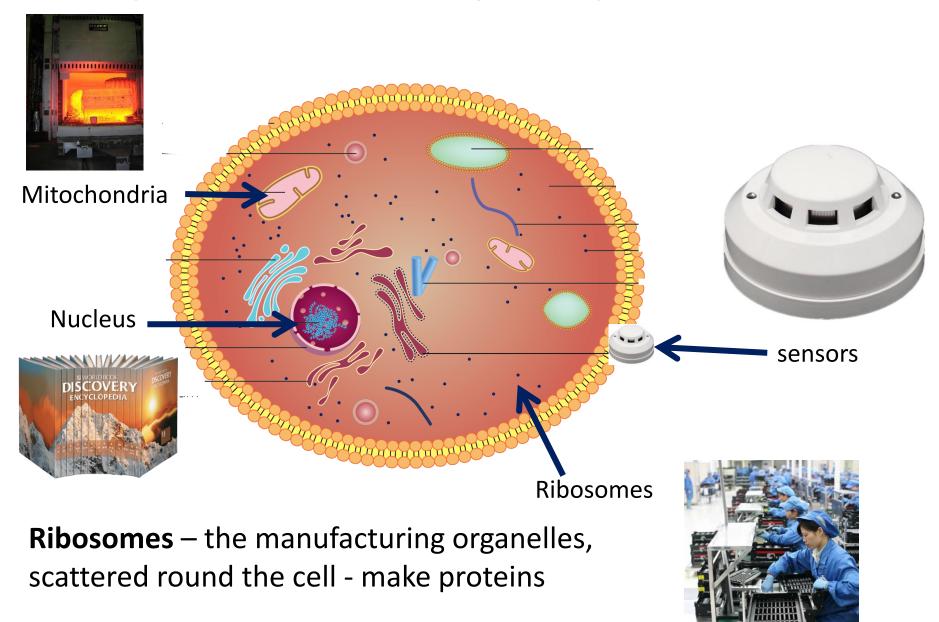
The nucleus – the DNA holds all the information for creating a body, organs, proteins



The **mitochondria** are the energy furnaces – burn sugars and fat to give the cell energy

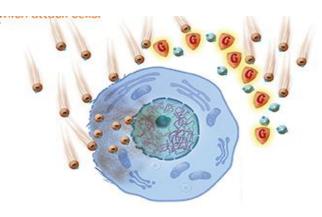


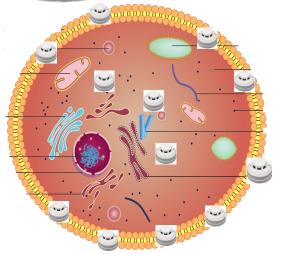
Sensors (like smoke detectors) which detect incoming objects. We have thousands of them on the cell wall and inside – viruses, glucose, toxins, FR





The SENSORS are the 'brain' of the cell Detect incoming needs and creating the response.



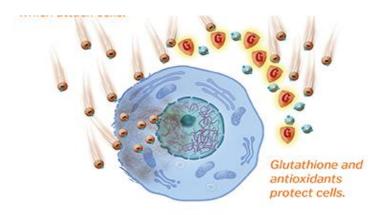


Each cell has hundreds of sensors – we will look at just 4

- 1.We are bombarded with free radicals –
- 2.Infections virus and bacteria
- **3.Plenty** of food and energy
- 4.Famine.

1. Free radical bombardment

Our bodies and cells are under constant attack by free radicals which create or aggravate diseases.



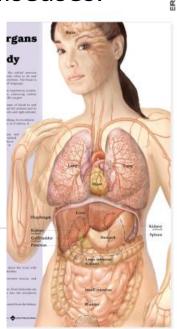
Free radicals (unstable harmful particles) damage everything they touch

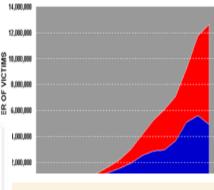


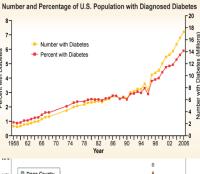


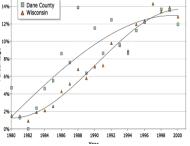




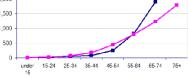














Free radicals are the major cause of today's diseases

CAUSES of FR

pollution, alcohol, tobacco smoke, **UV Rays/Radiation** heavy metals, transition metals, industrial solvents, pesticides, Poor Nutrition certain drugs radiation **EMF** phone towers

Cancer

Ageing

Heart Attack

Diabetes

Dermatitis

Other health complications

DISEASES CAUSED

macular degeneration, cardiovascular disease, cancers, emphysema, alcoholism, Alzheimer's disease, Parkinson's disease, **Ulcers** all inflammatory diseases, such as arthritis and lupus

We can neutralise Free Radicals with **Antioxidants**



The logical answer to prevent and treat today's diseases is to is to neutralise the free radicals with antioxidants





Eat lots of fruit and vegetables



Scientists noted that in some areas these diseases were rare Often lived > 100 years







In these places – Sardinia, Akaria, Hunza, Okinawa



Live to old age active and healthy Little or no cancer, heart disease, diabetes, So we have been telling people

"Eat lots of fruit and veges"

BUT:

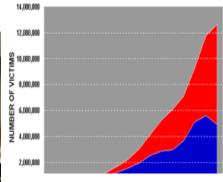
Its hard to do all year round And still diseases climb
So — why not supplement with the antioxidant vitamins — A, C, D and E?



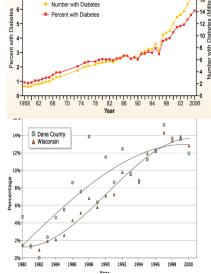


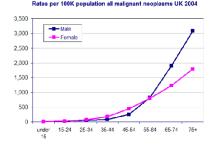


But it hasn't worked!

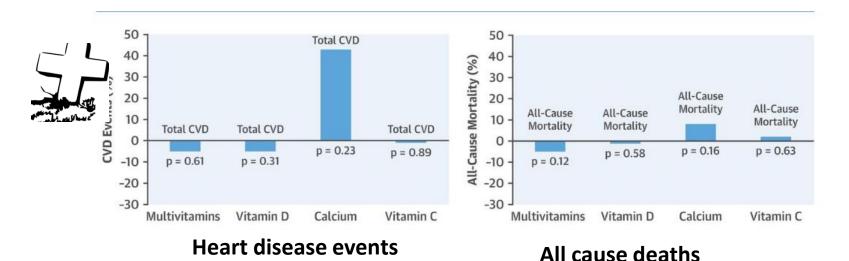


Number and Percentage of U.S. Population with Diagnosed Diabetes





No trial has shown an increase in longevity from supplements People feel and live better – but not longer

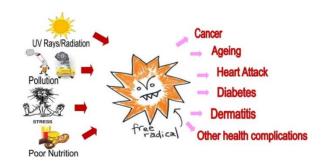


All published trials Jan 2012 – Oct 2017 179 controlled trials, 18,000 in each arm **Supplements gave No harm and no benefit.**

Jenkins, D.J.A. et al. J Am Coll Cardiol. 2018;71(22):2570-84.

So disease are caused by free radicals





Eating or supplementing with antioxidants doesn't work. We have been ignoring the elephant in the room



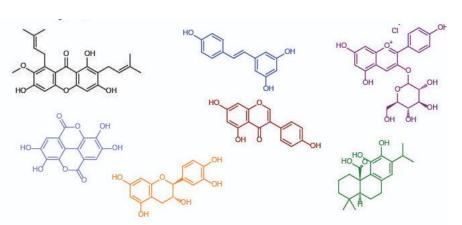


POLYPHENOLS!



Phenol

Thousands of polyphenols



Give fruits, nuts & berries their colour, taste, bitterness

PROTECT plants from diseases





In our search for health, we have ignored them



What is special about – Sardinia, Akaria, Hunza, Okinawa



Live to old age active and healthy Little cancer, heart disease, diabetes, cancer Mediterranean –fruit & berries + red wine











Eating fruit and vegetables reduces some diseases



Why do polyphenols protect from these diseases almost

completely?











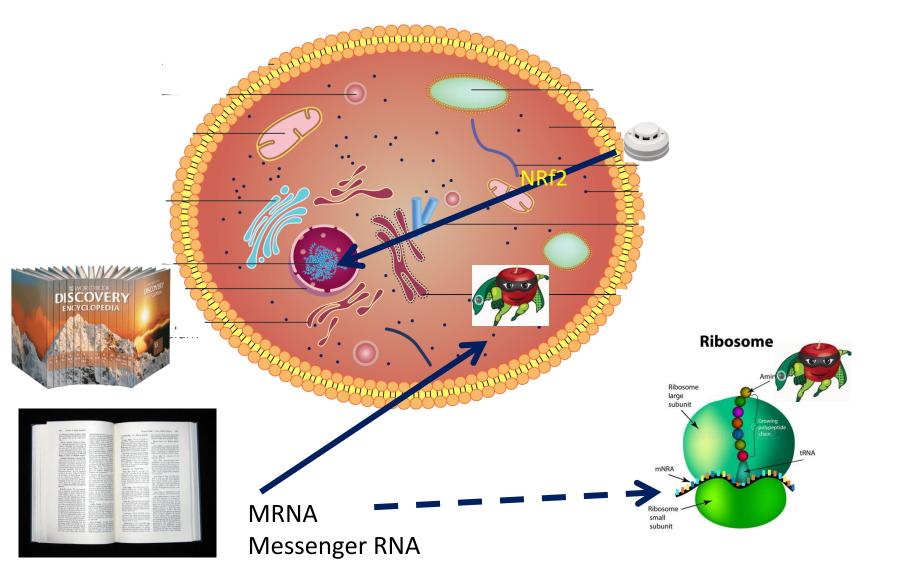






1. When a free radical approaches a cell





Our protection from Free Radicals

Antioxidant vitamins A, C, D, E - from diet and supplements

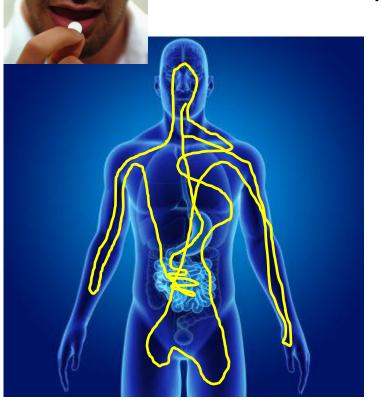


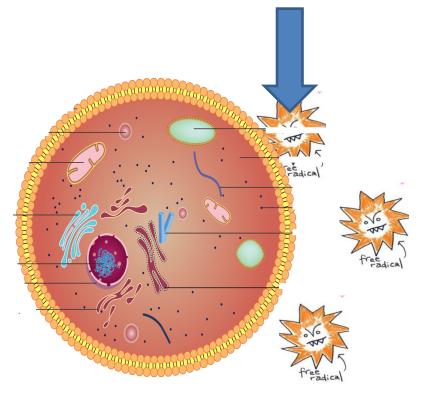
Cellular antioxidants – superoxide dismutase, catalase, glutathione reductase



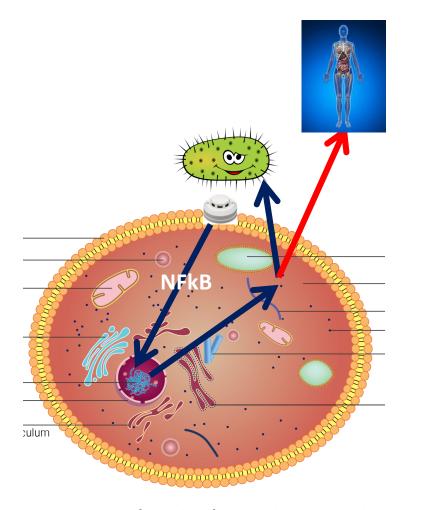
Are made exactly where and when they are needed







2. When a virus or bacteria approaches a cell

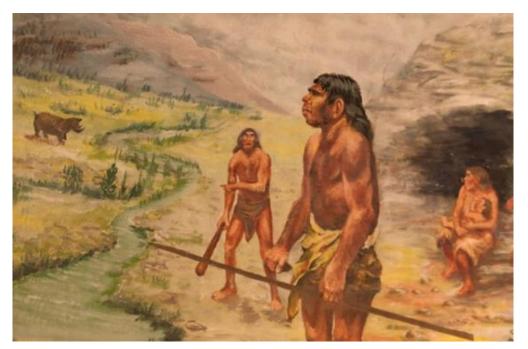


SLE
Crohn's
Ulcerative colitis
Rheumatoid arthritis

The 'sensor' sends a message (NFkB) to the nucleus \rightarrow anti bodies, complement and other defenses.

BUT the cell needs to switch these of, if not \rightarrow autoimmune diseases

3 and 4 – sensors remaining from early man – response to feast and famine.









3. FEAST - sensors detect plenty and turn on MTOR





Prepare for famine – grow new cells, mitochondria – stuffed with proteins and fat

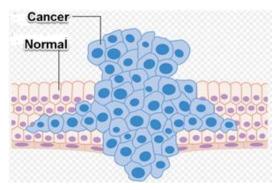


BUT today the 'plenty' never stops.

Multiplying, inefficient, stuffed cells can

CANCER, HEART DISEASE, DIABETES...







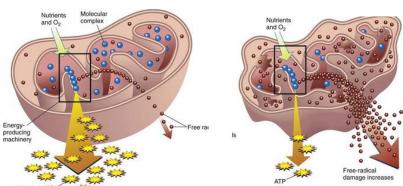
4. Famine - switches on 'autophagy' –





Cleaning out the debris from the cell

 Replacing worn out inefficient organelles Young and old mitochondria



We don't have famine –
Benefits of fasting



The cell has many hundreds of sensors for different things:

- NRf2 (free radicals), NFkB (infections), MTOR, AUTOPHAGY
- Glucose → Insulin
- Stress → cortisol and/ or adrenaline
- Dehydration → vasopressin
- Low thyroid → thyroxin

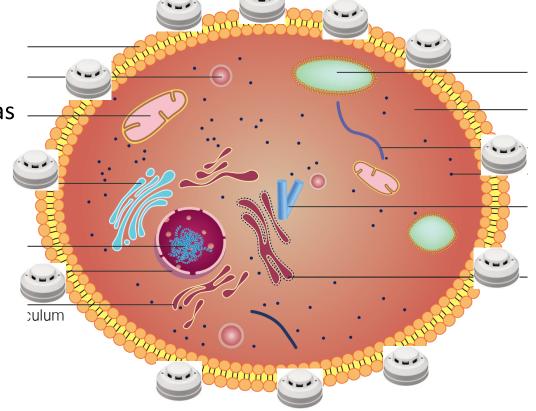
Hormone levels

testosterone, progesterone, oestrogen...

•

They can be switched on and off as required –

If not
THEY CAN CAUSE DISEASES



When the switches are working well \rightarrow health



But the sensors can deteriorate –

- With age,
- Overwhelming signals,
- Continuous background 'noise'— like Rotorua smell,
- Drugs
- Toxins
- Preservatives
- Poisons



How can we help our switches?





Polyphenols.

In tissue experiments -Polyphenols resensitise the cell sensors



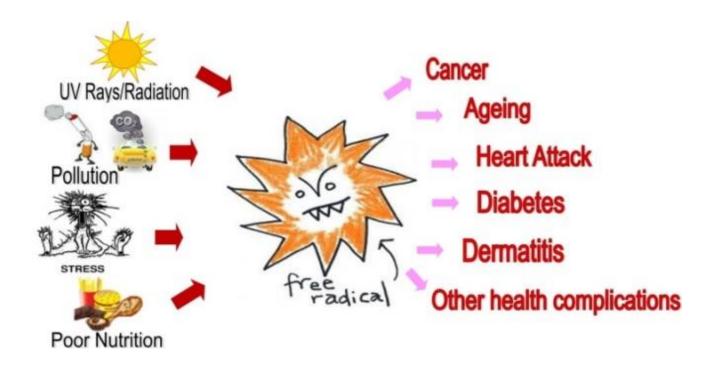






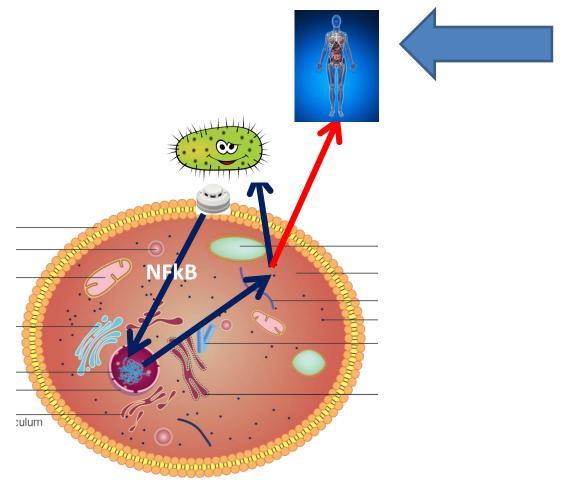


- Sensitise the NRf2 sensors reducing free radical damage
- May sensitise many other NRf2 switches (diabetes...)





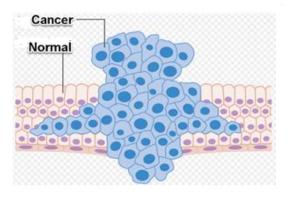
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- Help turn off the immune response to NFkB immune diseases
- Helps turn off mTOR when not needed







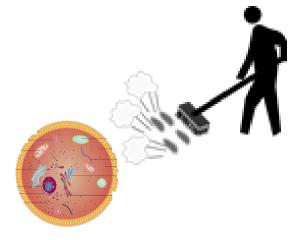
Cancer, diabetes, heart disease





- Sensitise the NRf2 sensors reducing free radical damage
- May sensitise many other NRf2 switches (diabetes...)
- Help turn off the immune response to NFkB immune diseases
- Helps turn off mTOR when not needed
- Encourage Autophagy clean, efficient healthy cells







Efficient perfect functioning cells



- Sensitise the NRf2 sensors reducing free radical damage
- May sensitise many other NRf2 switches (diabetes...)
- Help turn off the immune response to NFkB immune diseases
- Helps turn off mTOR when not needed
- Encourage Autophagy clean, efficient healthy cells

All of these

- 1. Protect the body from toxins, radicals and infections
- 2. Reduce the risk of diseases both protection and healthy cells
- 3. May help in treating and recovery from diseases
- 4. Helps the body function and perform more efficiently



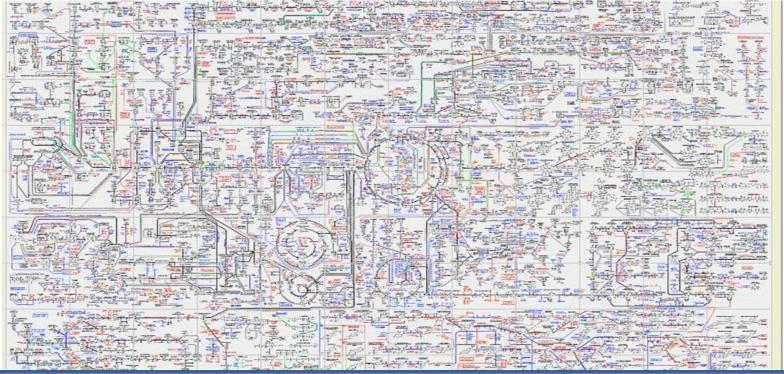




What our bodies are designed to receive in optimal situations

The ideal diet





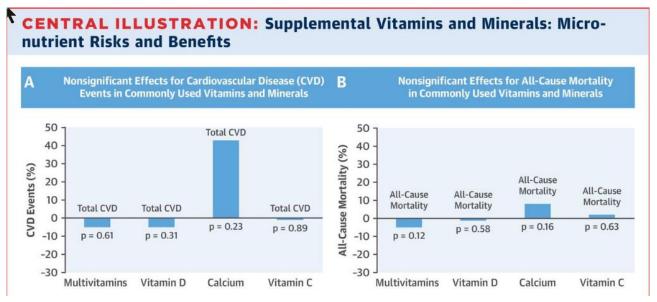
All the vitamins and minerals to allow all the chemical reactions to work.



But the usual diet almost never is complete – Add:

- 1. A good comprehensive multivitamin/mineral
- 2. Omega 3 fish oils

But that has not been shown to reduce diseases



3. Add polyphenols





It's almost impossible to get enough polyphenols all year round









So take a supplement which contains them

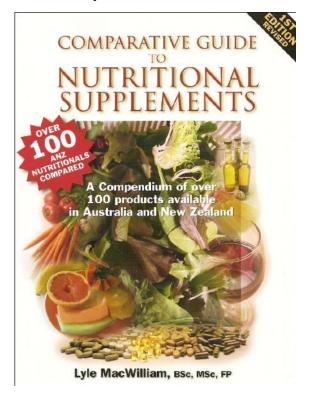






The USANA Cellsentials

Still No 1 in the McWilliam Comparative Guide





Plus 8 new active polyphenols:

- Resveratrol
- Quercetin
- Hesperidin
- Ruthin
- Alpha lipoic acid
- Green tea extract
- Mareva Turmeric
- Olivol

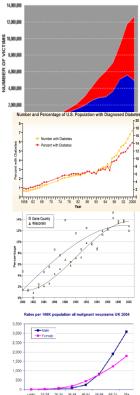
How we can help prevent and treat today's diseases

- Positive mental attitude
- Regular exercise
- Good diet
- Take a top quality supplement containing polyphenols all through life















If we all did this:

Living to over 100 would be common place





We would be healthy and active throughout life







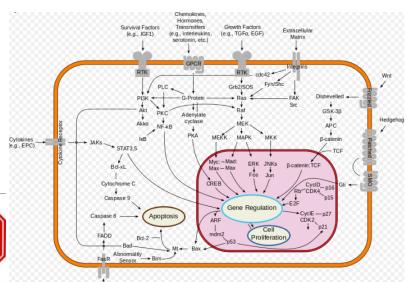
We would be able to TREAT most of today's diseases much more easily and effectively

Cell signalling is very complicated We don't need to understand it Polyphenols do all the right things













Now we have the answer to true long term health and wellness.

www.drgeraldlewis.com Talks