



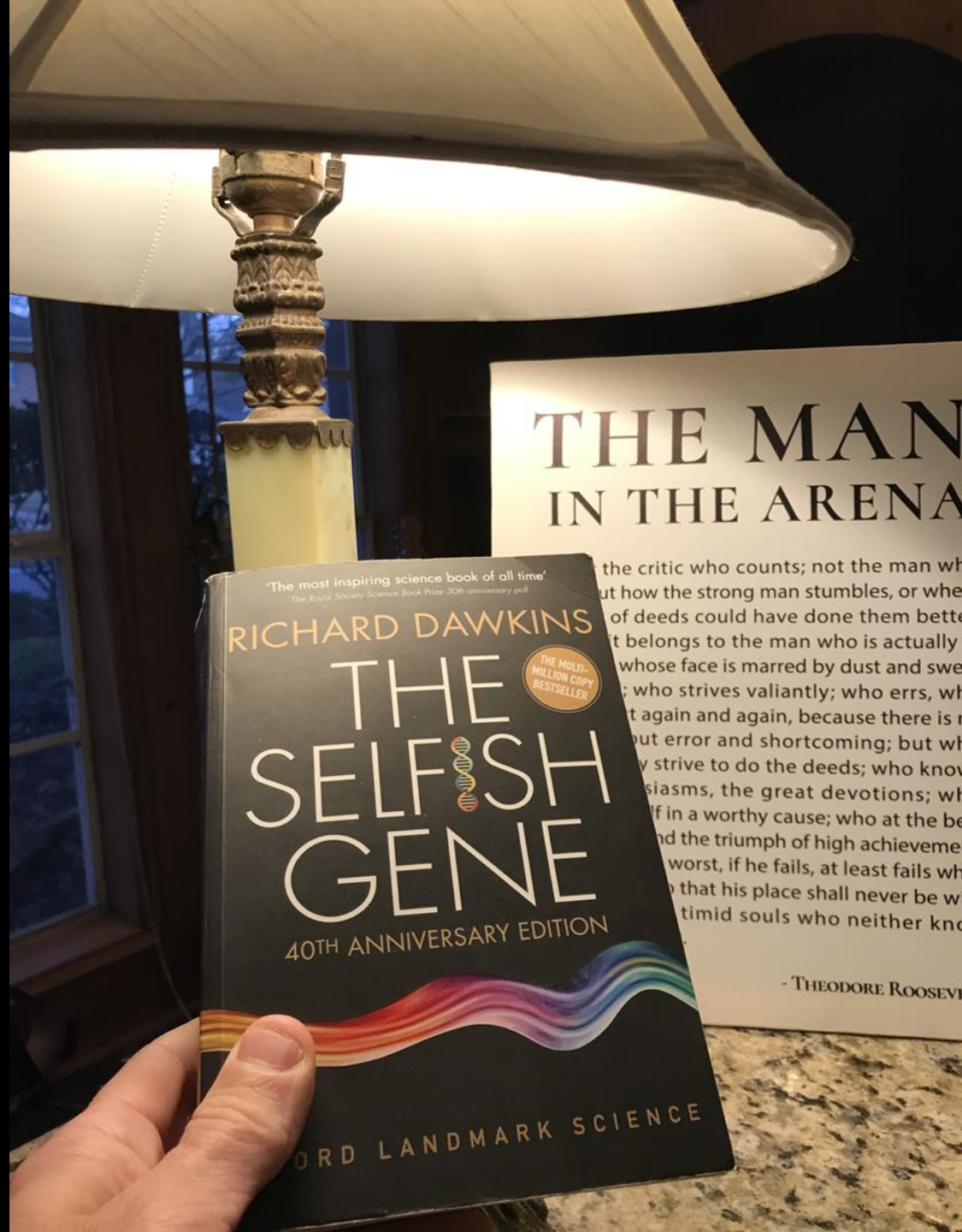
Are you matter or information?

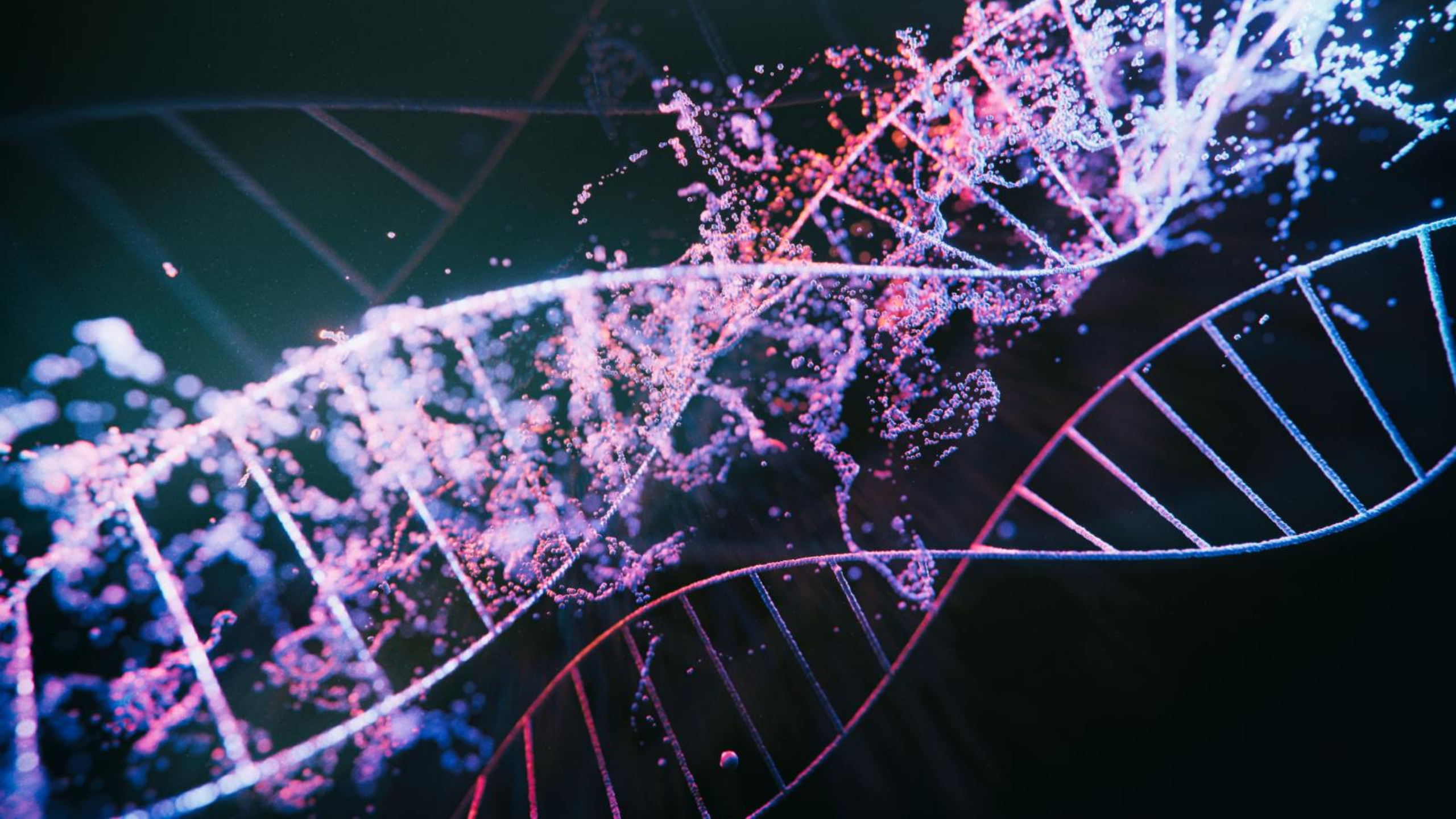
(more fundamentally)

... and why is this potentially relevant to the future of spiritual formation?

“The most inspiring science book of all time.”

---The Royal Society



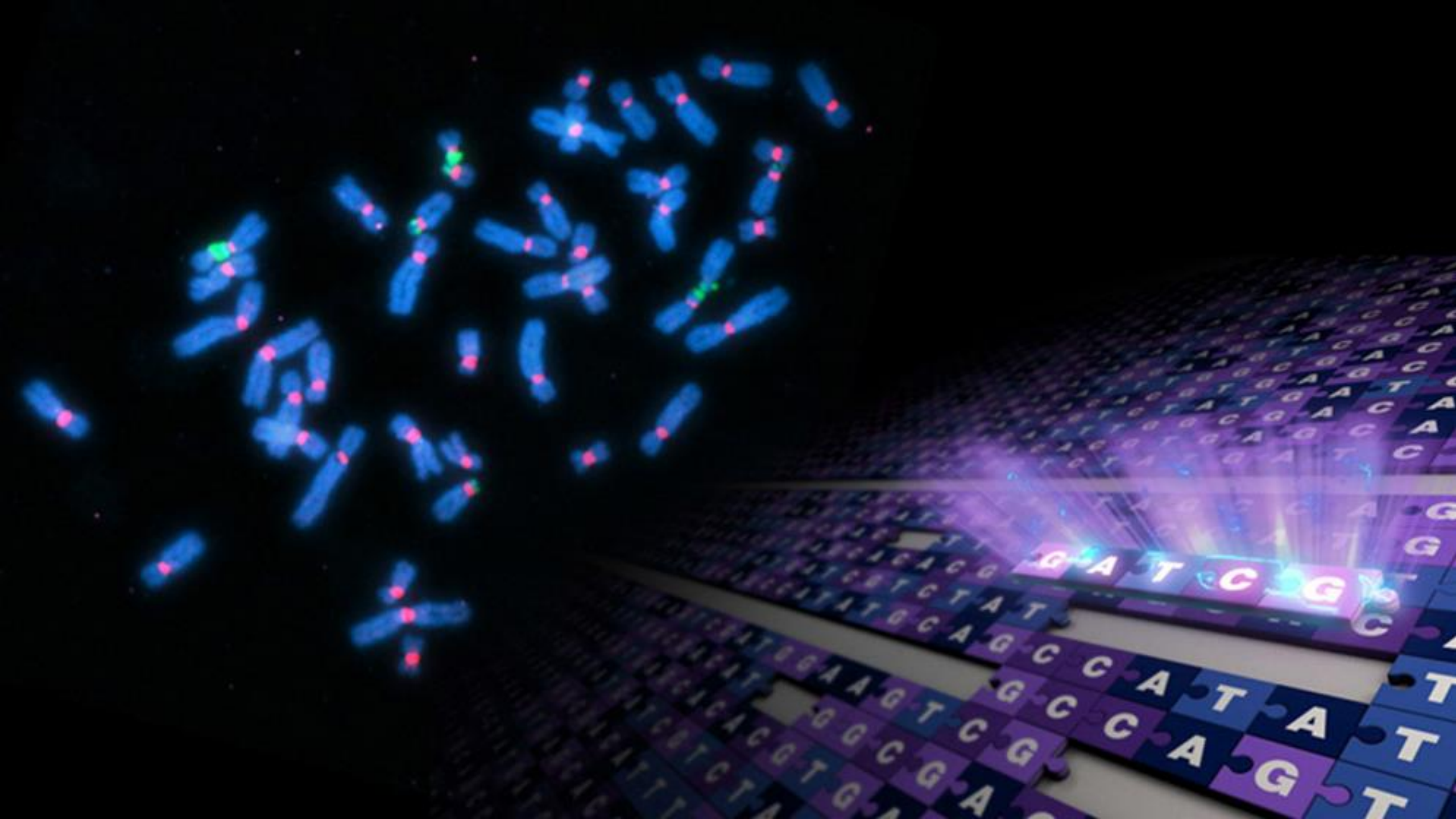




“What lies at the heart of every living thing is not a fire, not warm breath, not a ‘spark of life’ . . . it is information.”

– Richard Dawkins





10 years-ago most of you wasn't you

(from strictly a matter perspective)



Turnover Time

Cell type	Length of time
Brain cells	Lifetime
Bone cells	25-30 years
Muscle cells	10 – 16 years
Fat cells	8 years
Lymphocytes	over one year
Liver hepatocytes	0.5 – 1 year
Red blood cells	120 days
Skin cells	10-30 days
Platelets	10 days
Colon	3-4 days
Small intestine epithelium	2-4 days
Stomach	2 days
Blood neutrophils	1-5 days

The information in your body is continually making almost entirely a “new you” using matter and energy



- **Your body makes 330 billion new cells a day**
- **1% of your body's cells are replaced every day**
- **98% of the atoms in your body are replaced every year**
- **By the end of 10 years, most of your body has been replaced**



“More fundamentally you are not matter. You are information that makes matter.”

- Jed Anderson







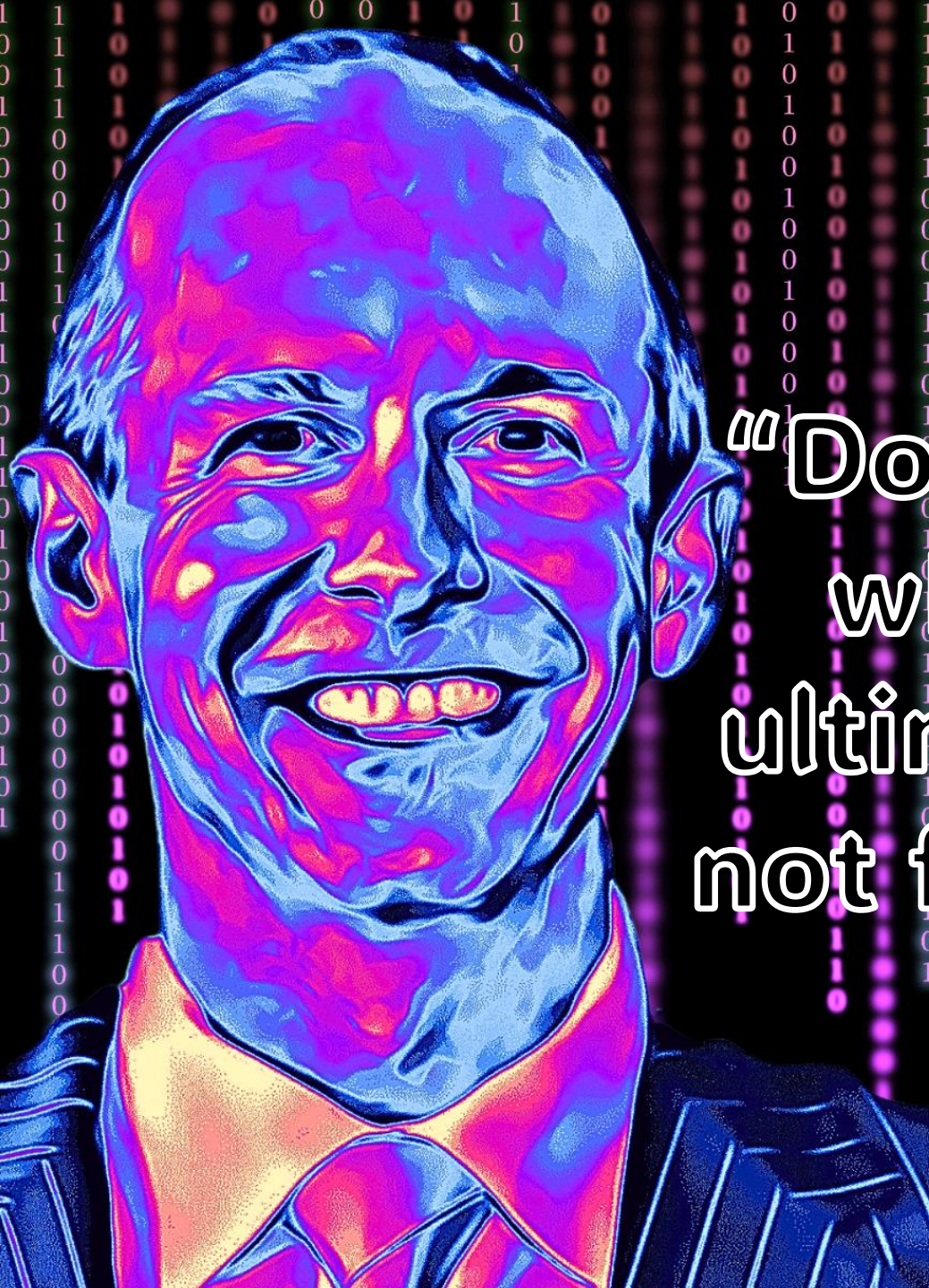
“Matter doesn’t
really matter.”

– Jed Anderson



“We are more fundamentally information.”

– Jed Anderson

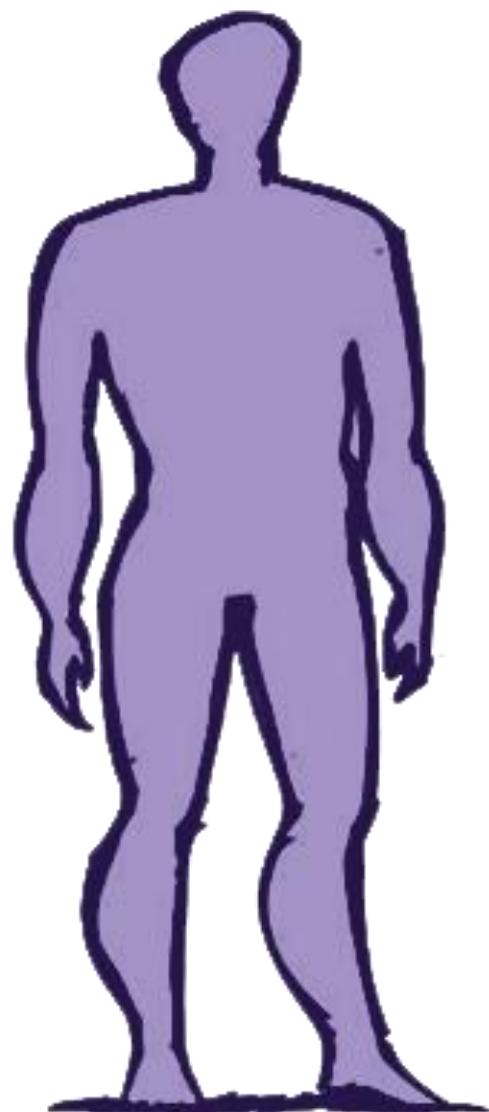


“Does it really matter then where this information ultimately resides if we are not fundamentally matter?”

— Jed Anderson



MAN



BODY



SOUL



SPIRIT

Human Evolution

Human 0.0 → Human 1.0 → Human 2.0 → Human 3.0 (?)

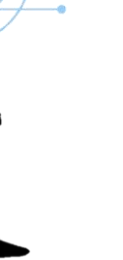
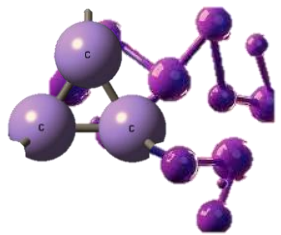
Spiritual Substrate (?)

Biological
Substrate

Technological
Substrate

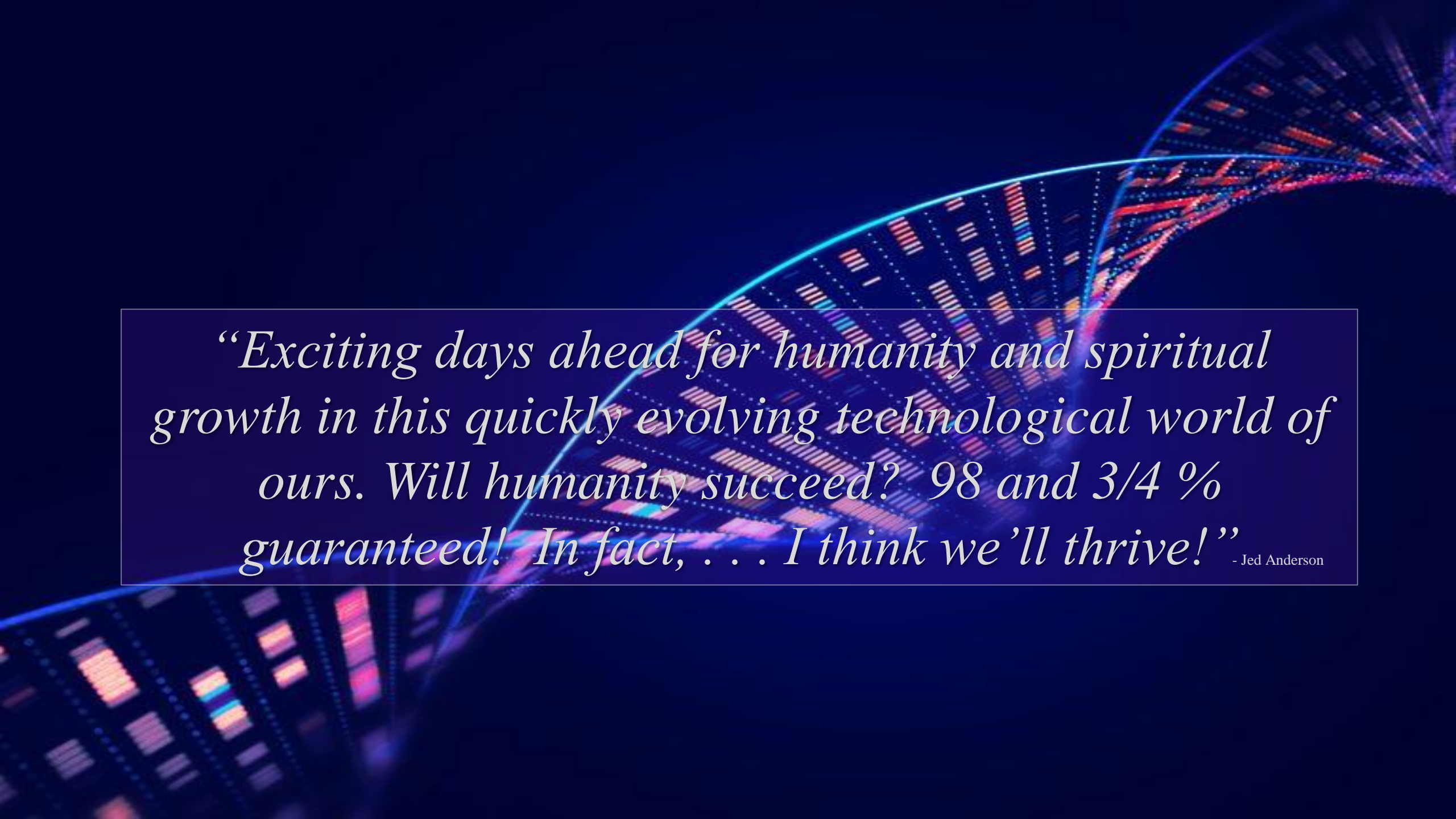
Chemicals

Information



Does the
flesh truly
count for
nothing?

- ❖ “Human 2.0 is coming faster than you think.” - Forbes
- ❖ "Homo sapiens, the first truly free species, is about to decommission natural selection, the force that made us. . . . Soon we must look deep within ourselves and decide what we wish to become." - E.O. Wilson
- ❖ “Two billion years ago, our ancestors were microbes; a half-billion years ago, fish; a hundred million years ago, something like mice; ten million years ago, arboreal apes; and a million years ago, proto-humans puzzling out the taming of fire. Our evolutionary lineage is marked by mastery of change. In our time, the pace is quickening.” —Carl Sagan



“Exciting days ahead for humanity and spiritual growth in this quickly evolving technological world of ours. Will humanity succeed? 98 and 3/4 % guaranteed! In fact, . . . I think we’ll thrive!”

- Jed Anderson