

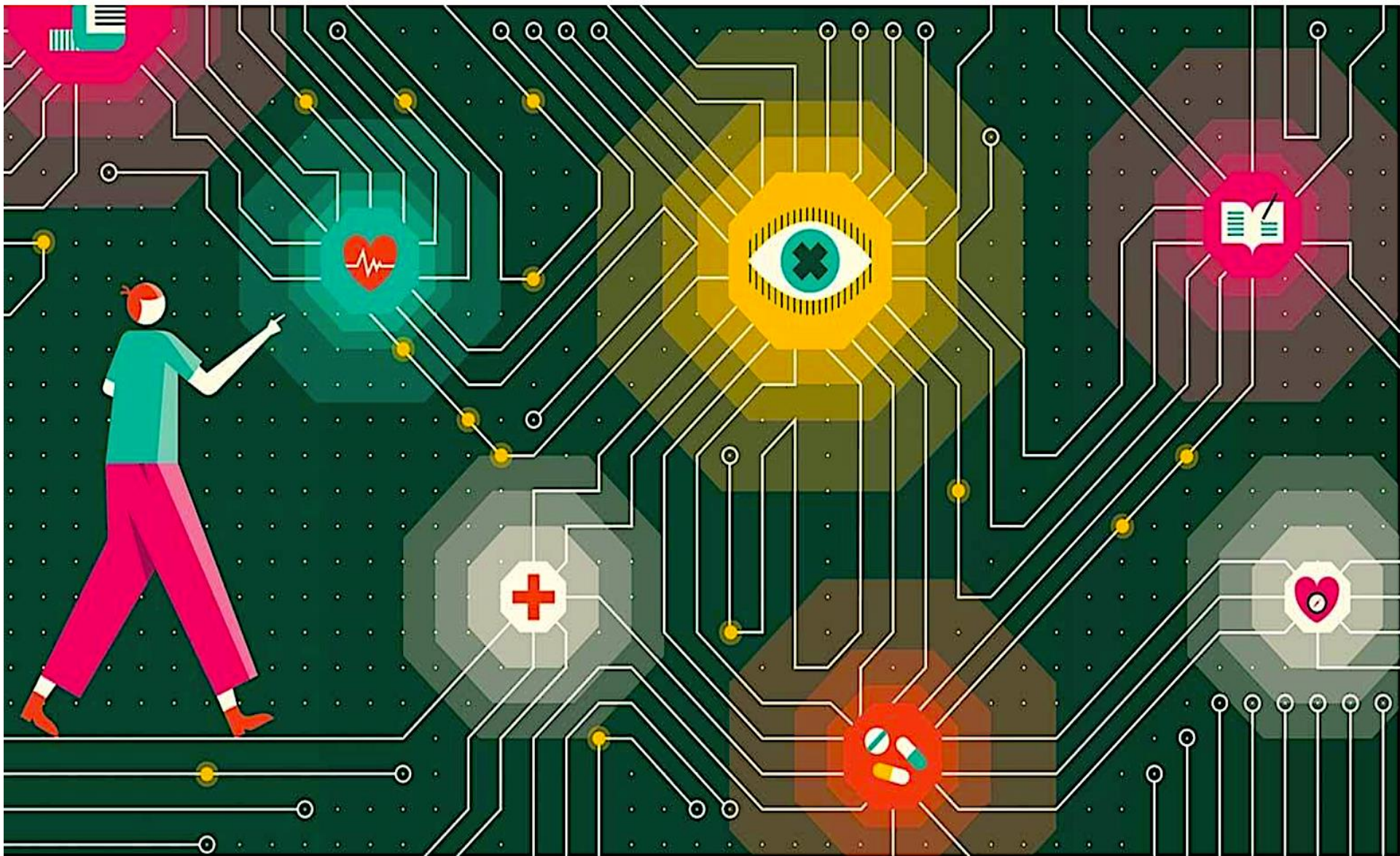
The Future!

Where do we see the future opportunities for Education, Research, Healthcare, Innovation, Start Ups and Business in the healthcare sector?

The Future of Medicine and Healthcare

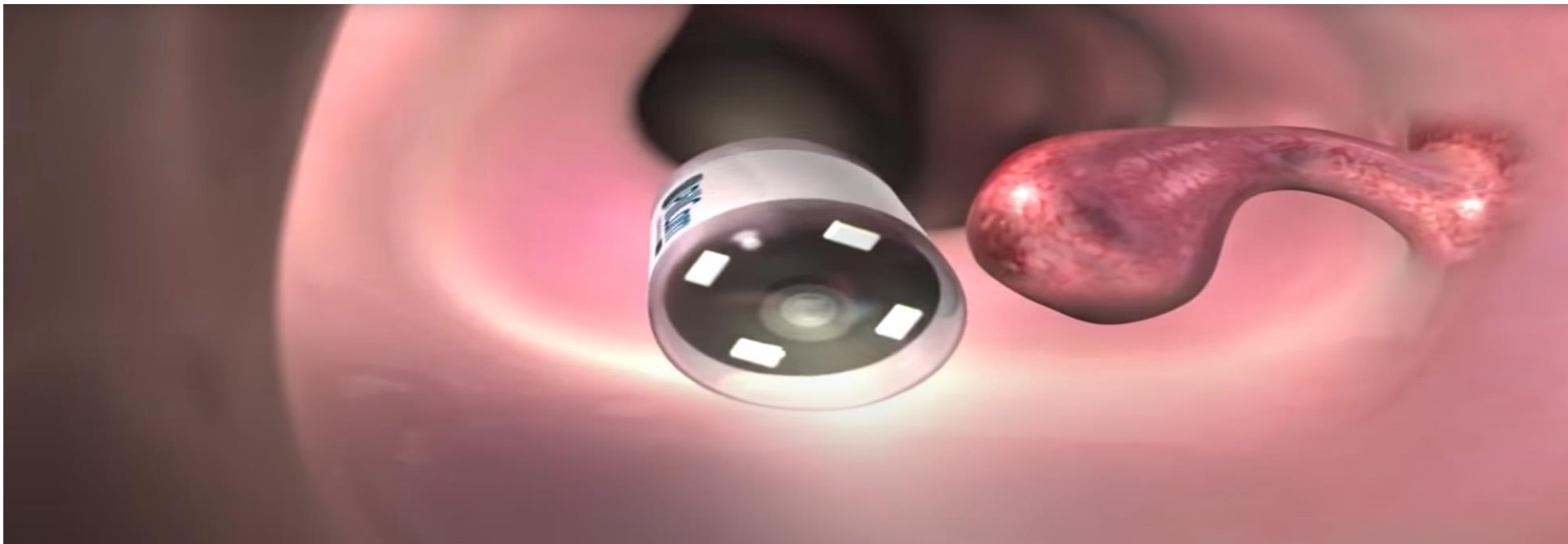


Precision Health: A One Stop Shop

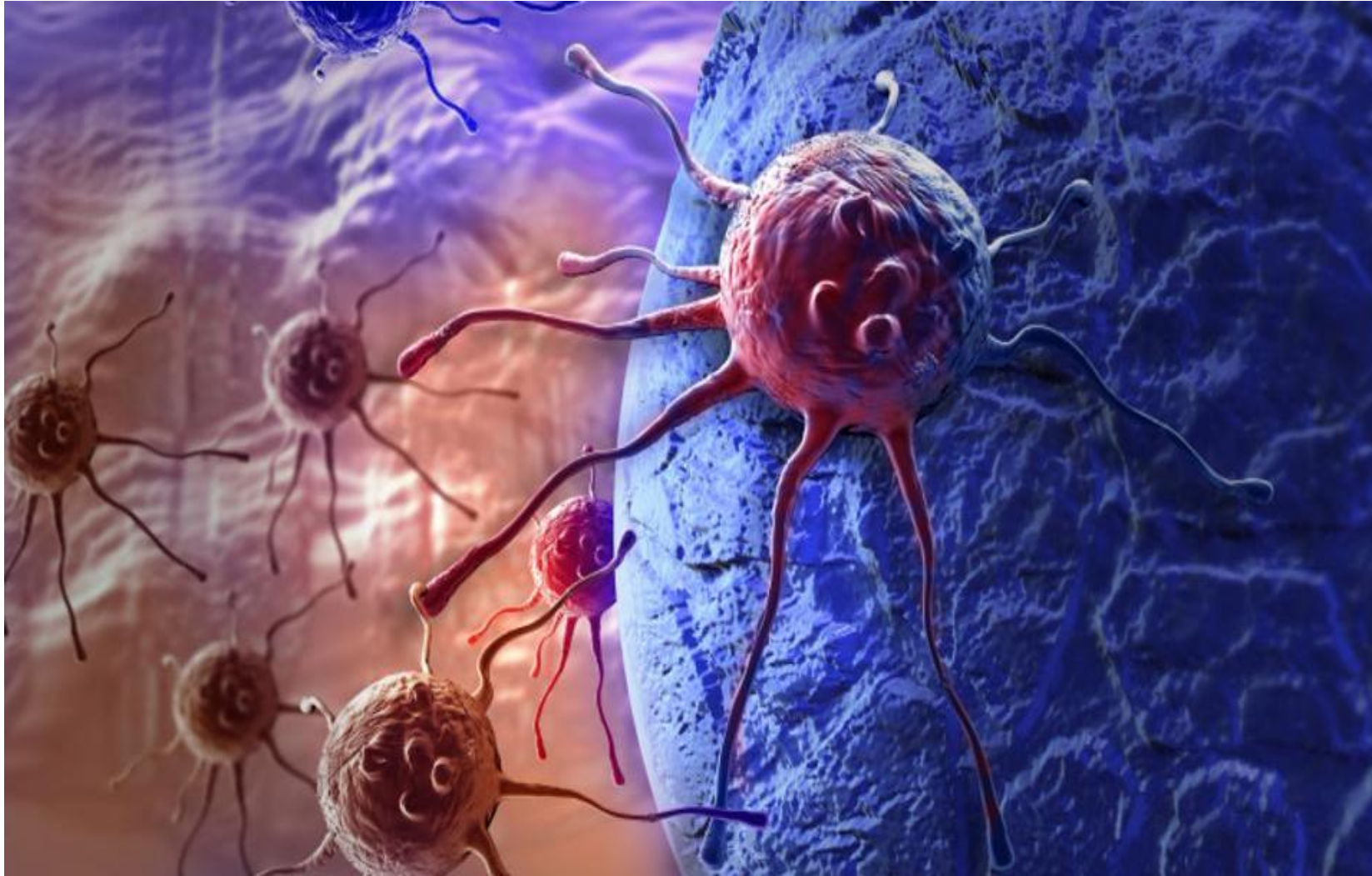


Biosensor Technologies

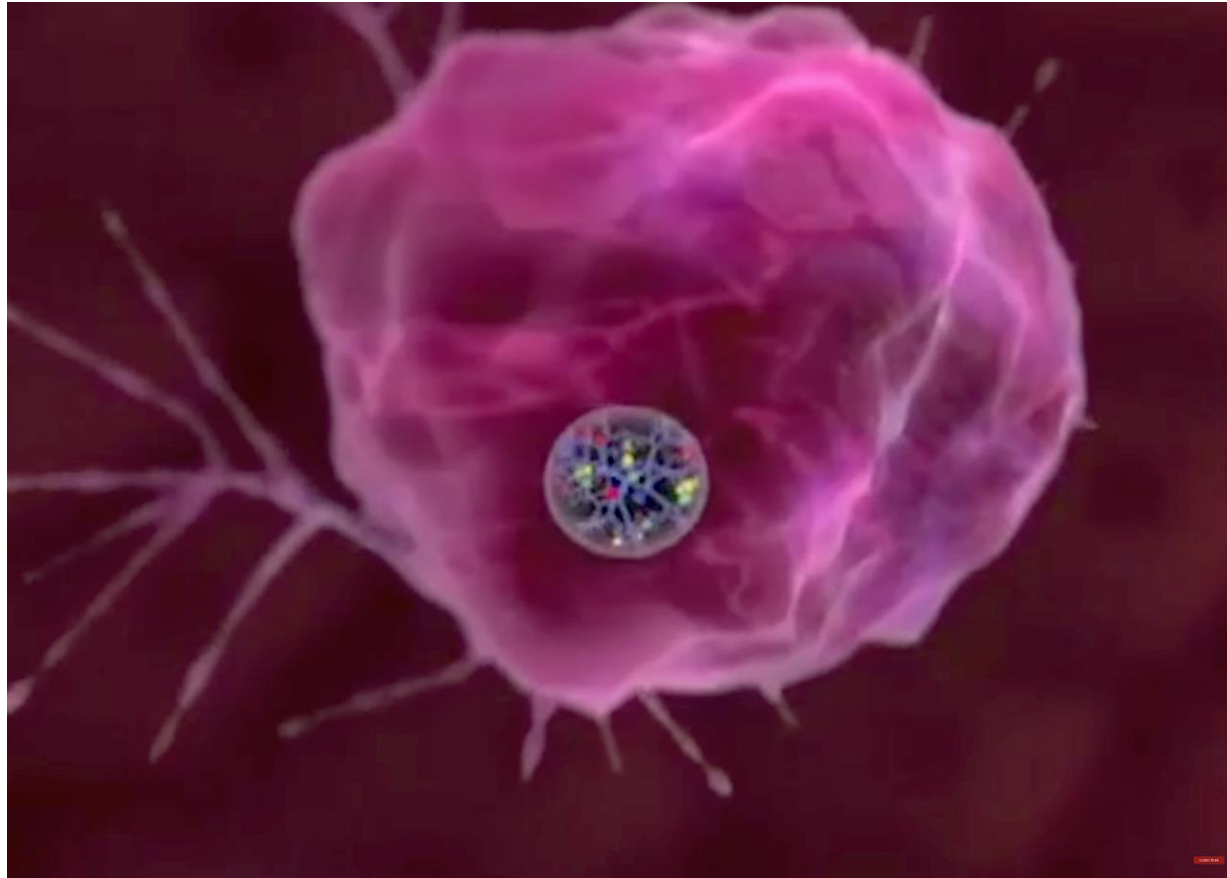




Immunotherapies



Nano-Particles and Nano-Medicine



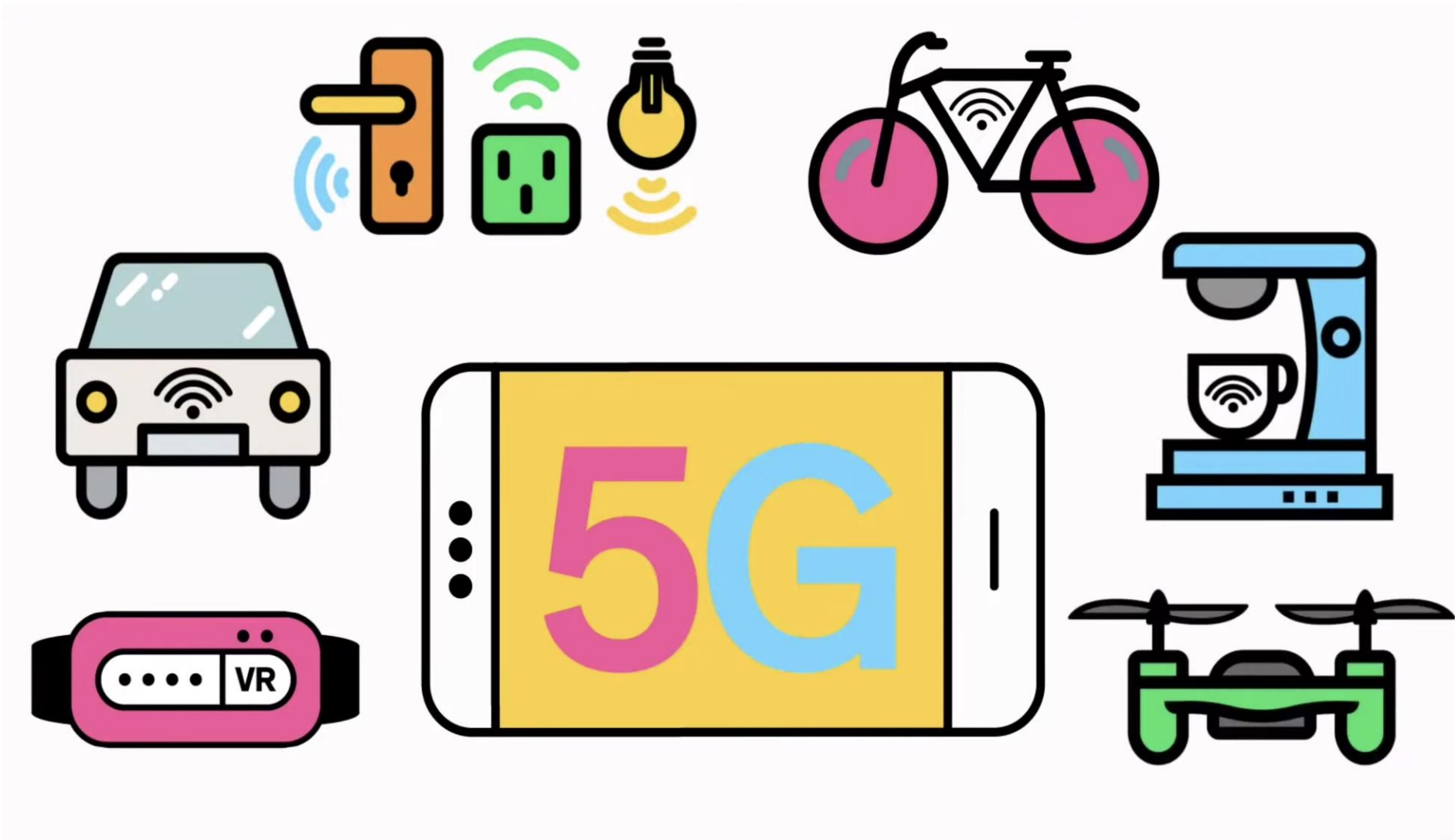
Genomics



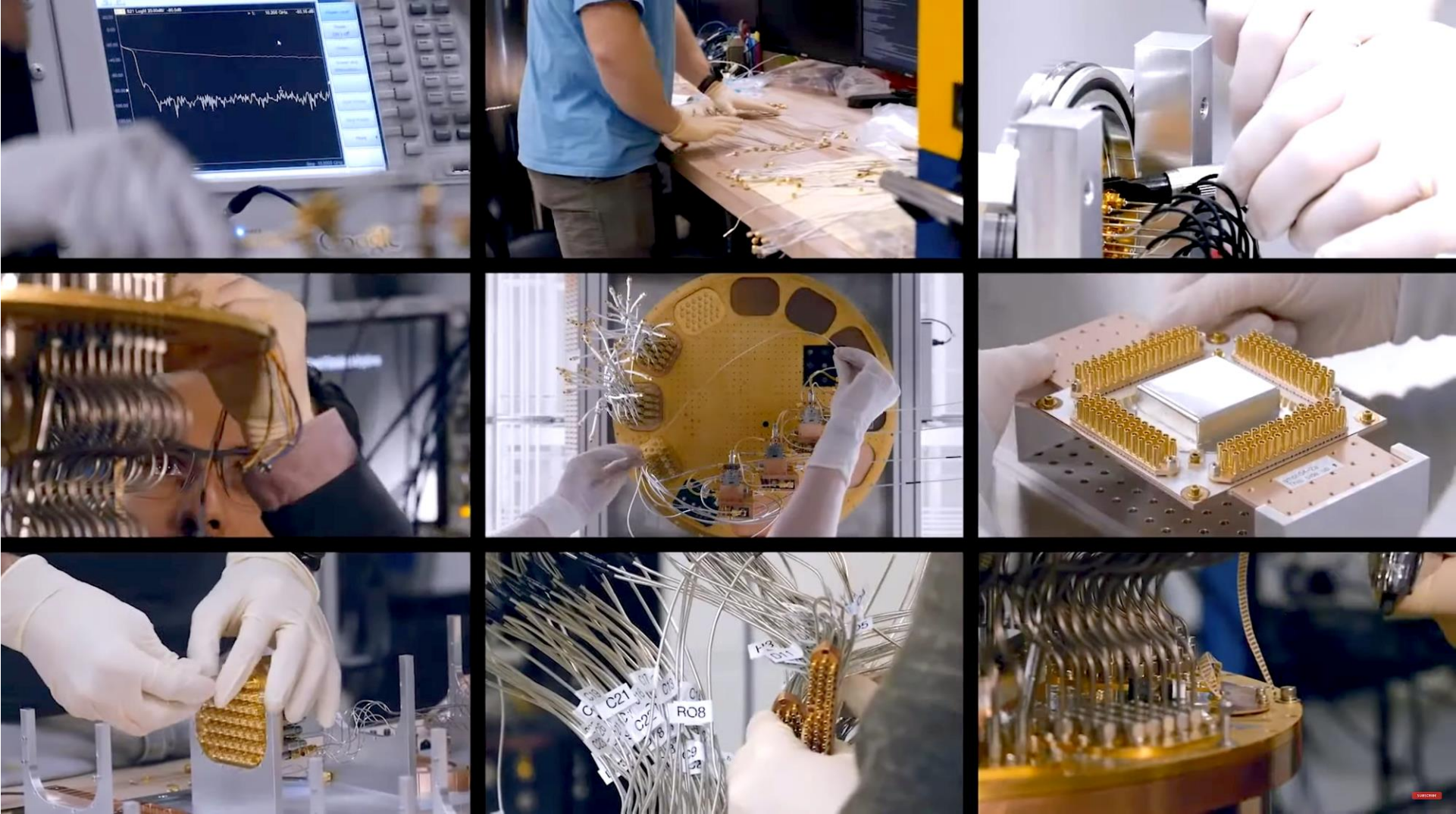
CRISPR/Cas9 - a gene editing technique, can make targeted modifications to DNA accurately



Digital and Tele-Health



Quantum and Cloud Computing



Remote Diagnostic and Surgeries



3-D Printing of Tools and Tissues



Artificial Intelligence and Machine Learning



Virtual Reality



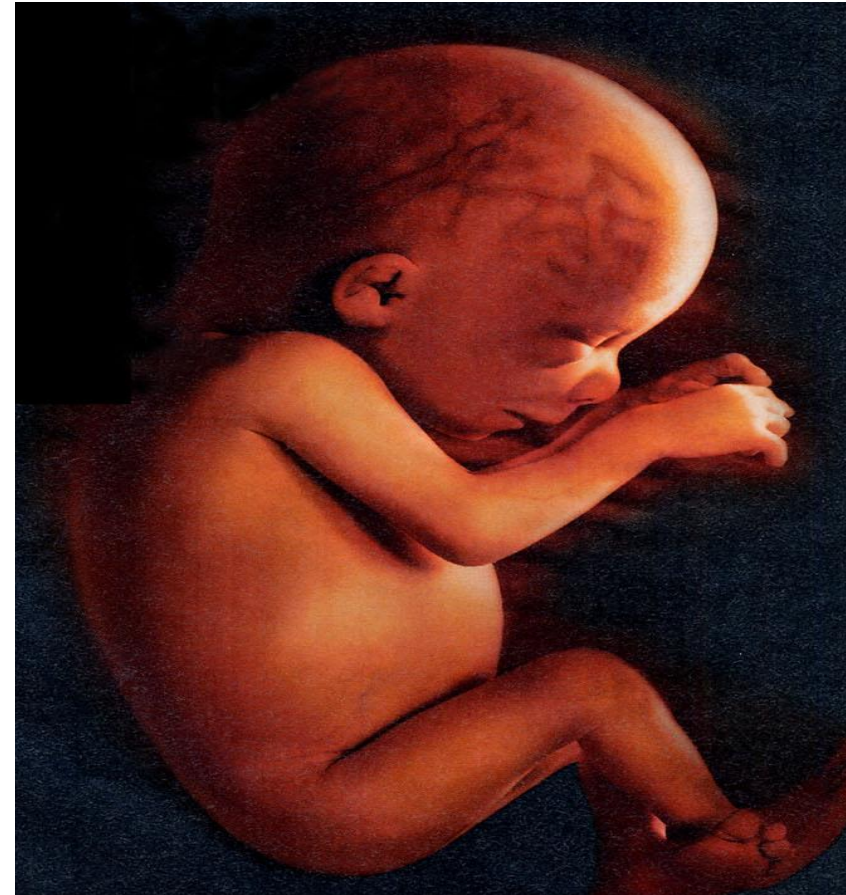
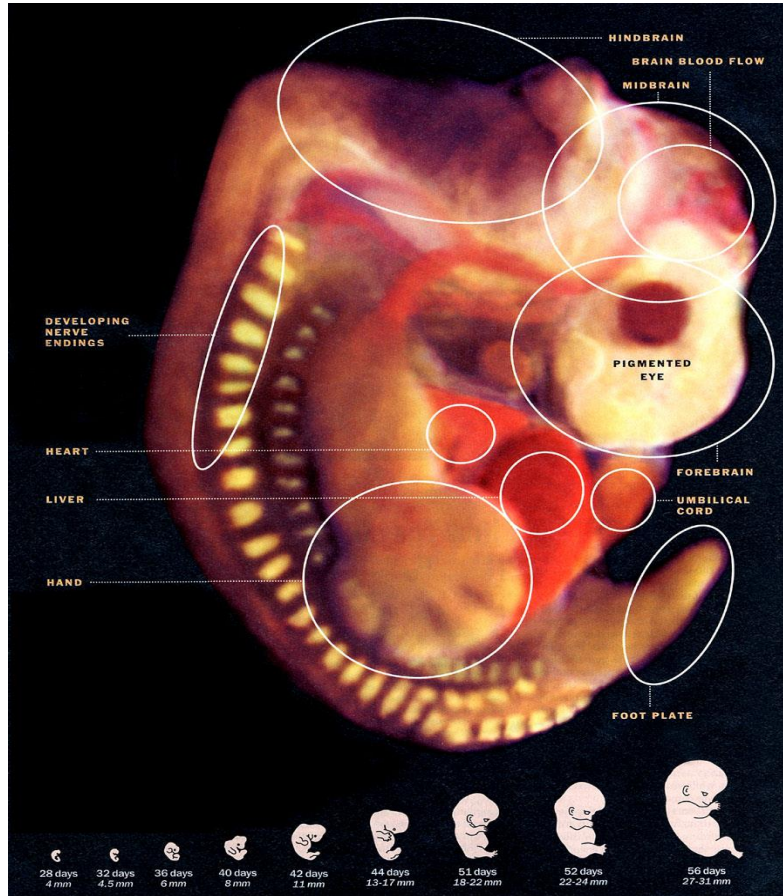
Robots Make an Entry into Hospitals



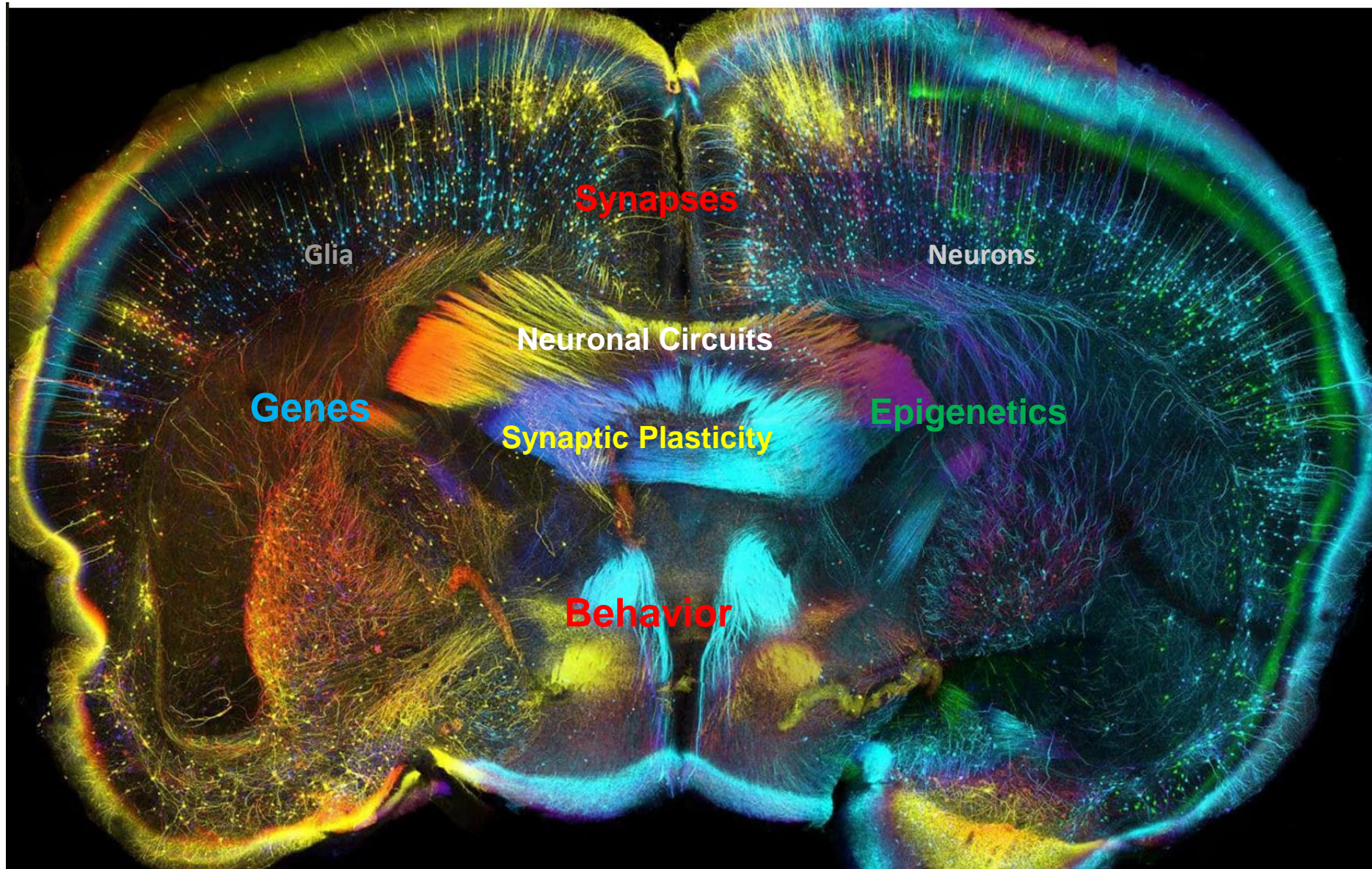
Brain Chip and Brain Computer Interfacing



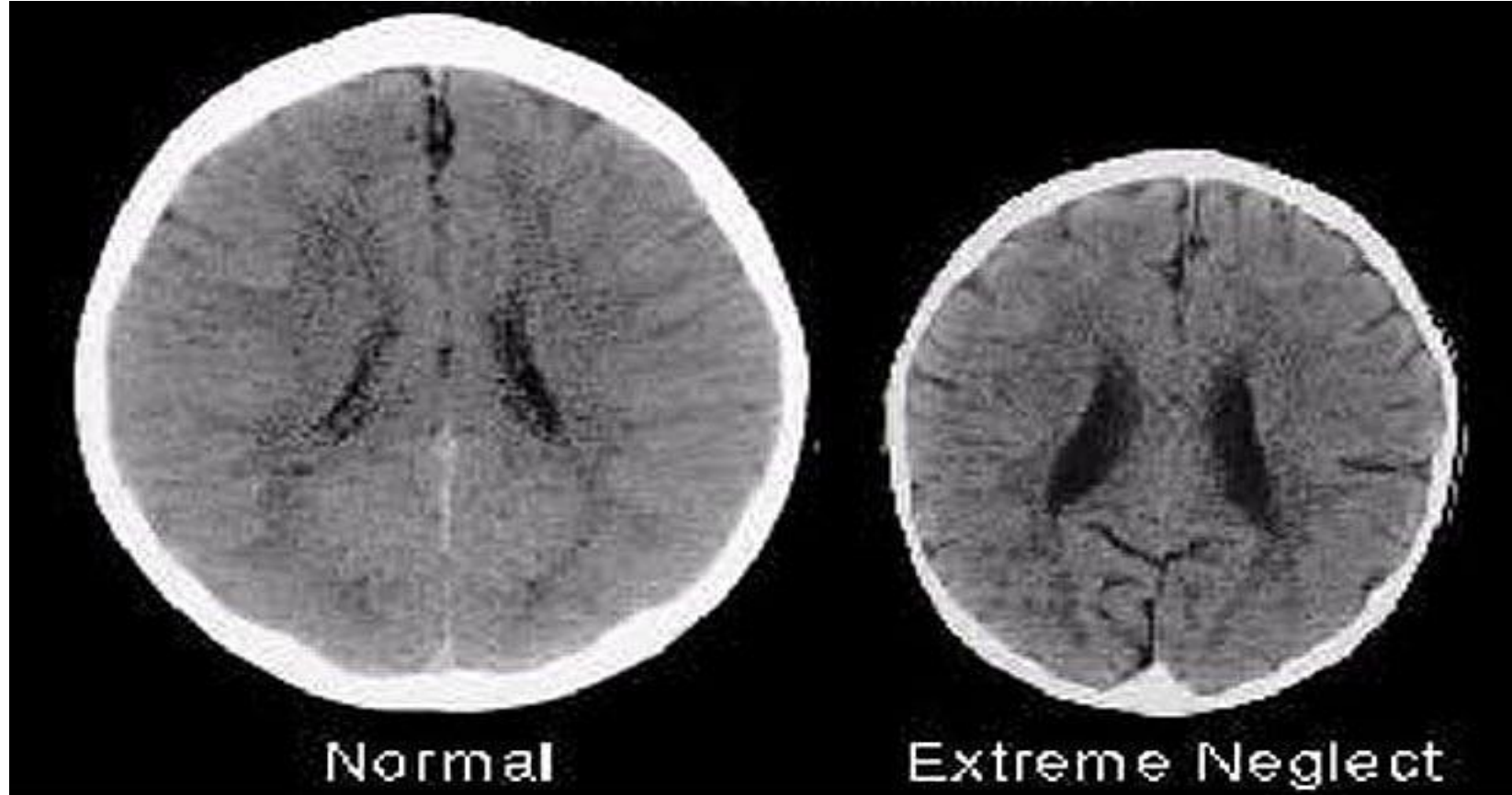
Maternal Stress, Fear Anxiety Can all affect a Developing Baby

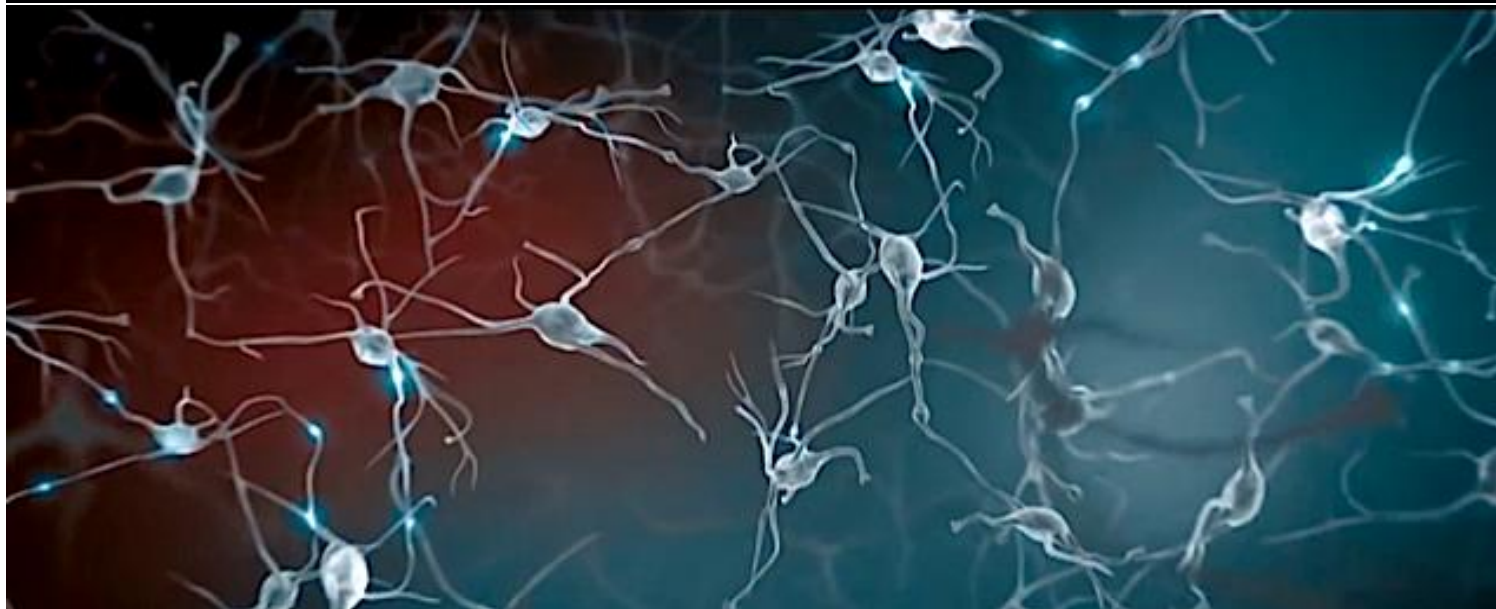
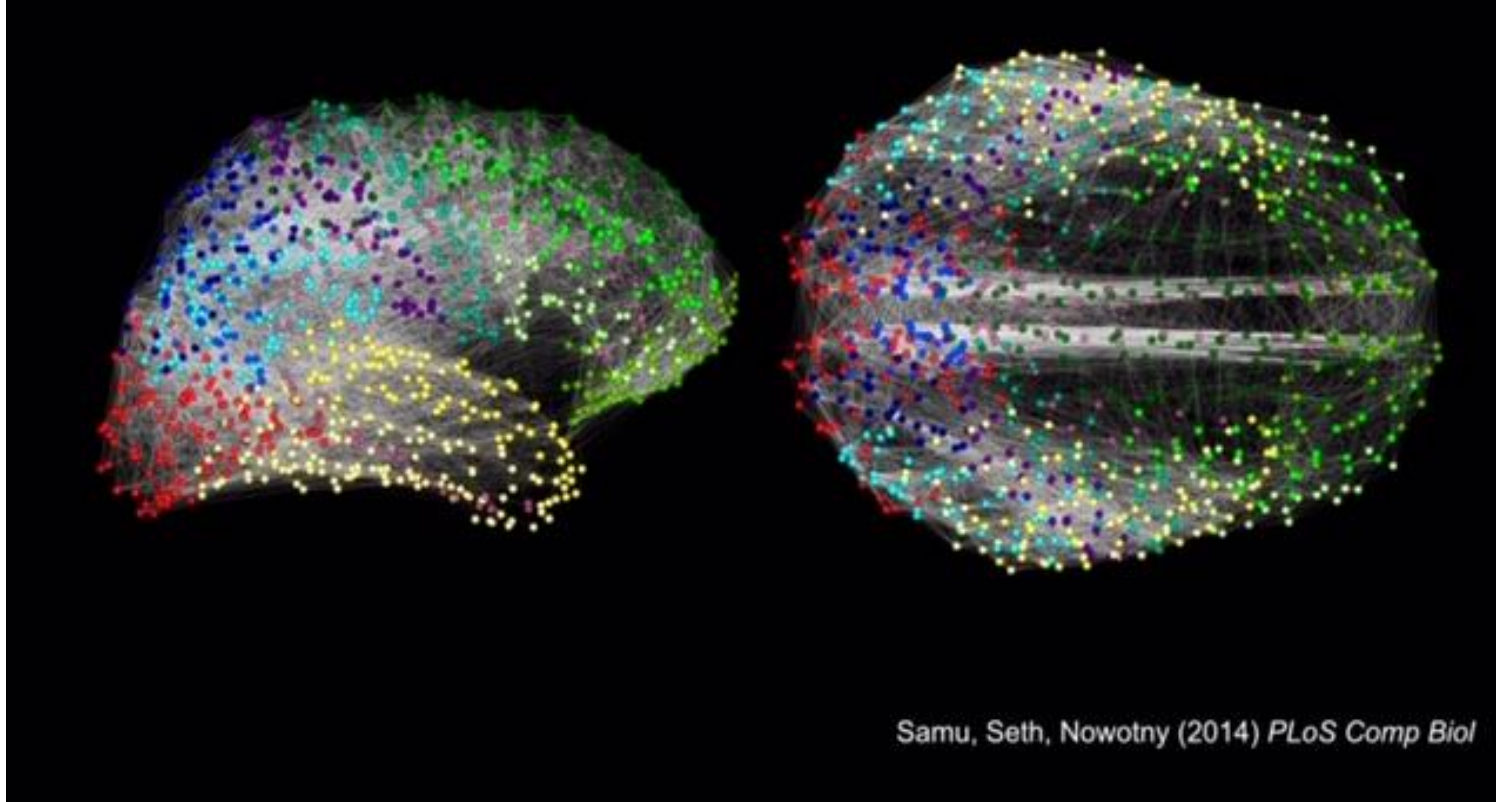


Neurons to Circuits to Behavior

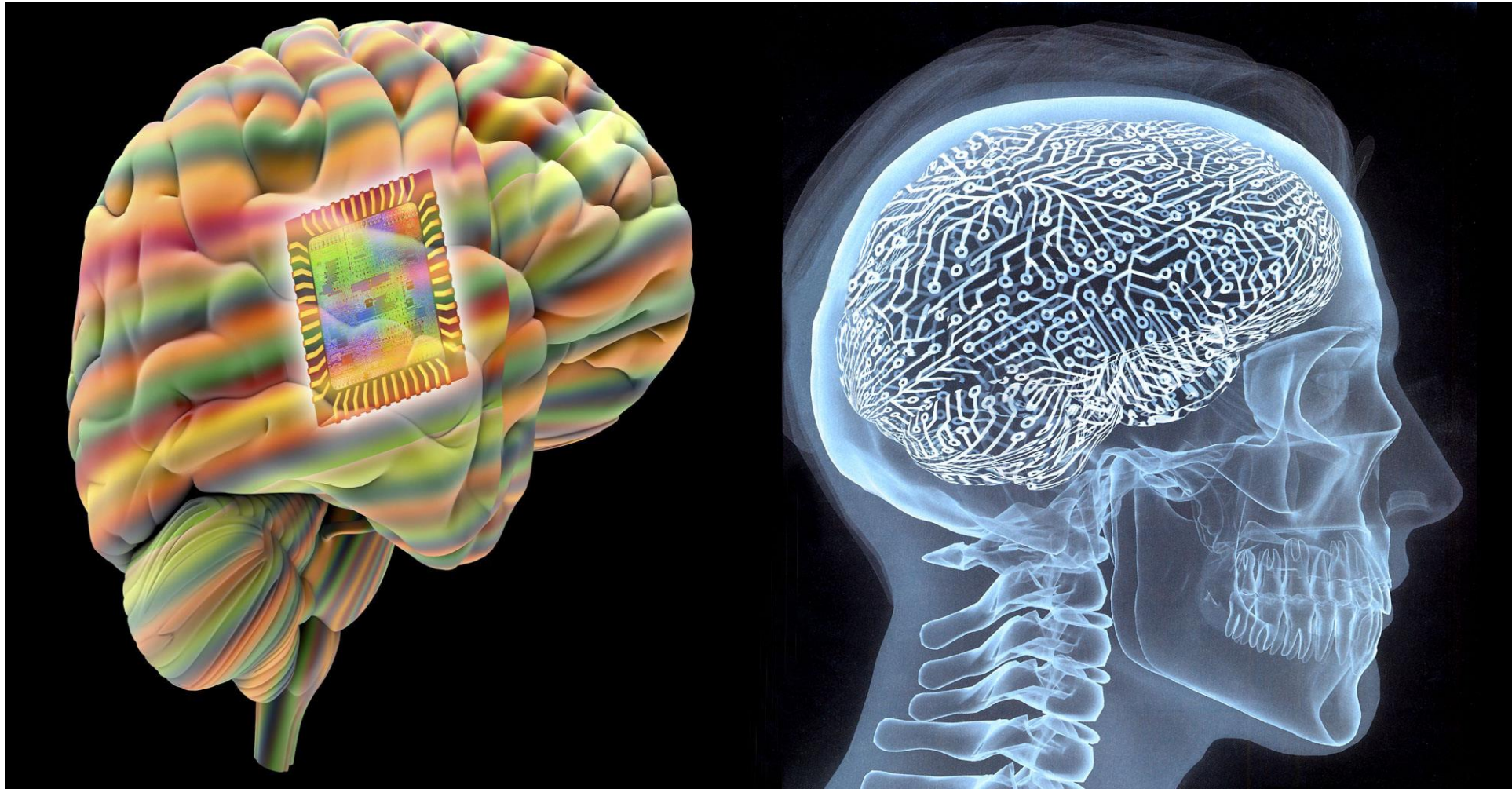


What is the impact of Long-Term Stress and Distress on a Child's Brain?





Disruptive Technologies based on Artificial Intelligence and Machine Learning will be Transformative



“We are natural-born cyborgs”

Andy Clark

Brain plasticity allows us to attach ourselves to machines, such as computers and electronic tools – quite naturally.

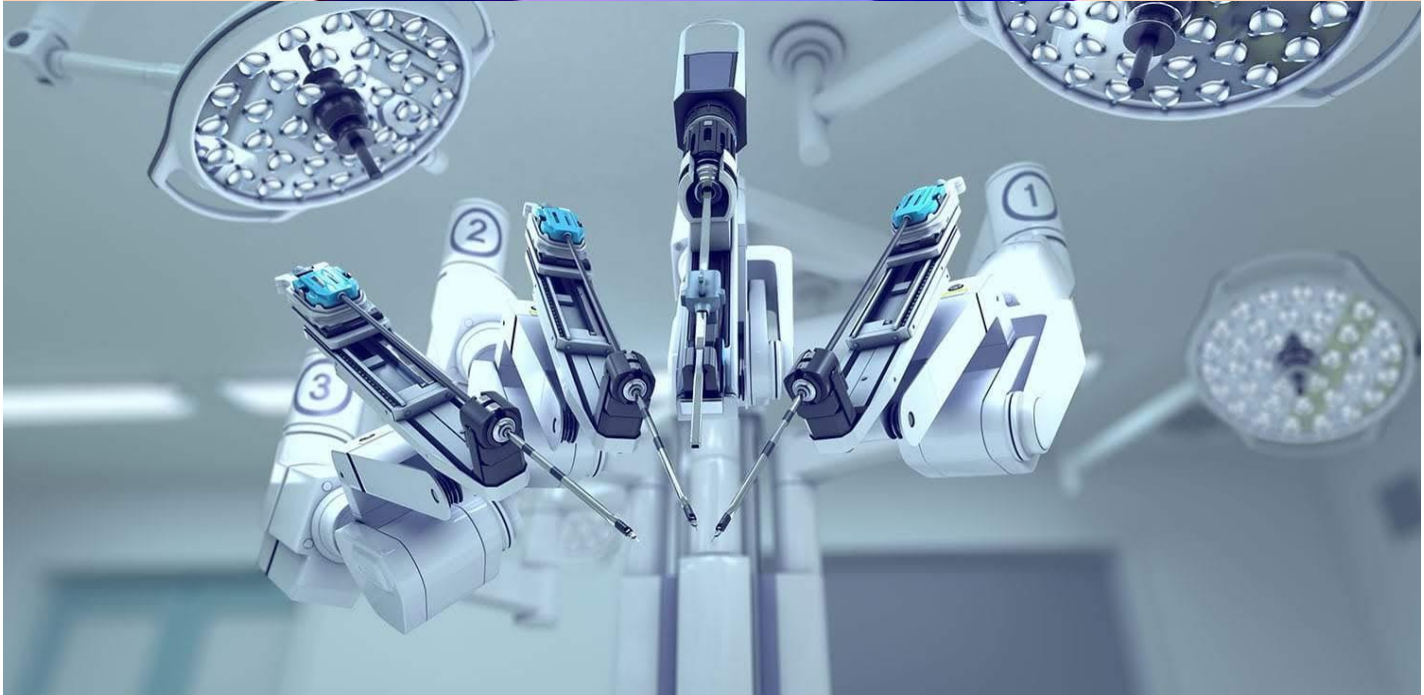
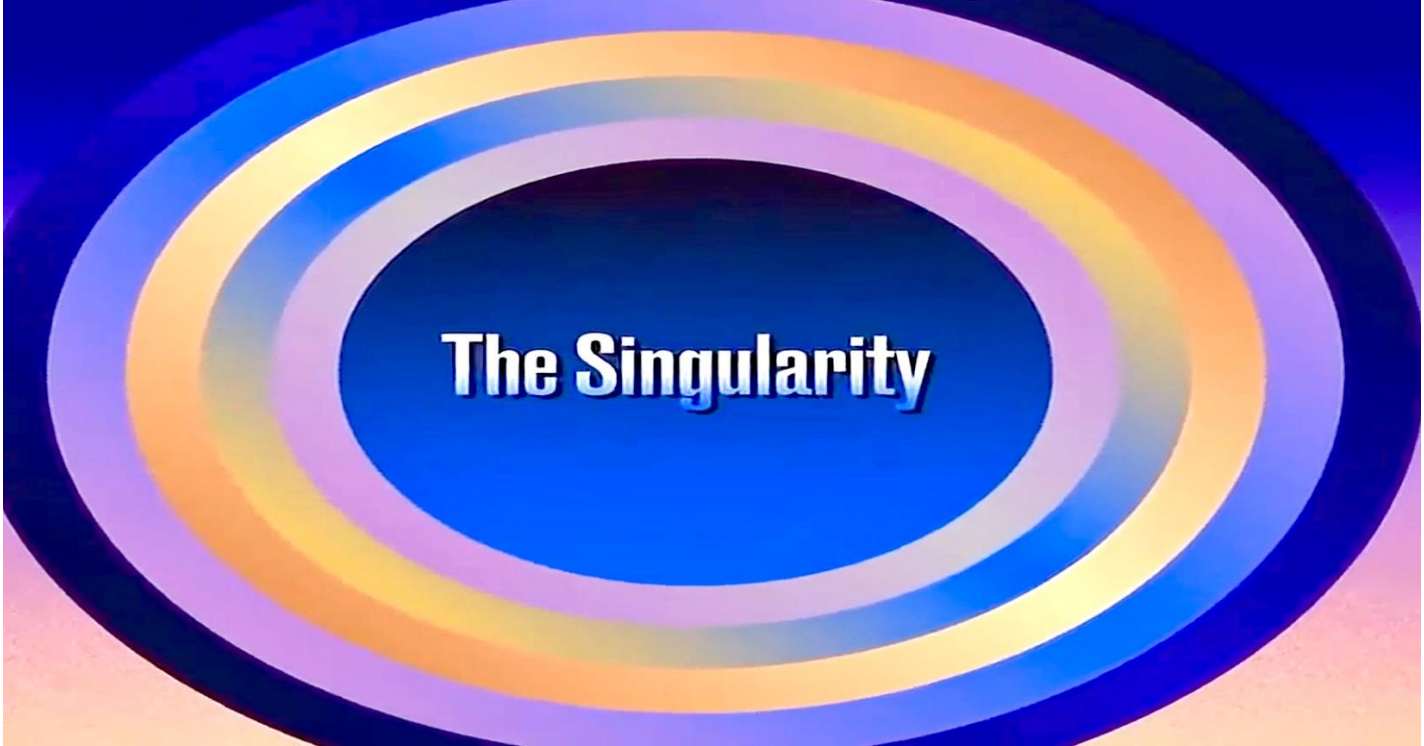
Our brain:

- Reconfigures itself in response to input from the simplest tools that we use routinely.
- Is far more open system than we ever imagined.
- Survives in a changing world by changing itself.

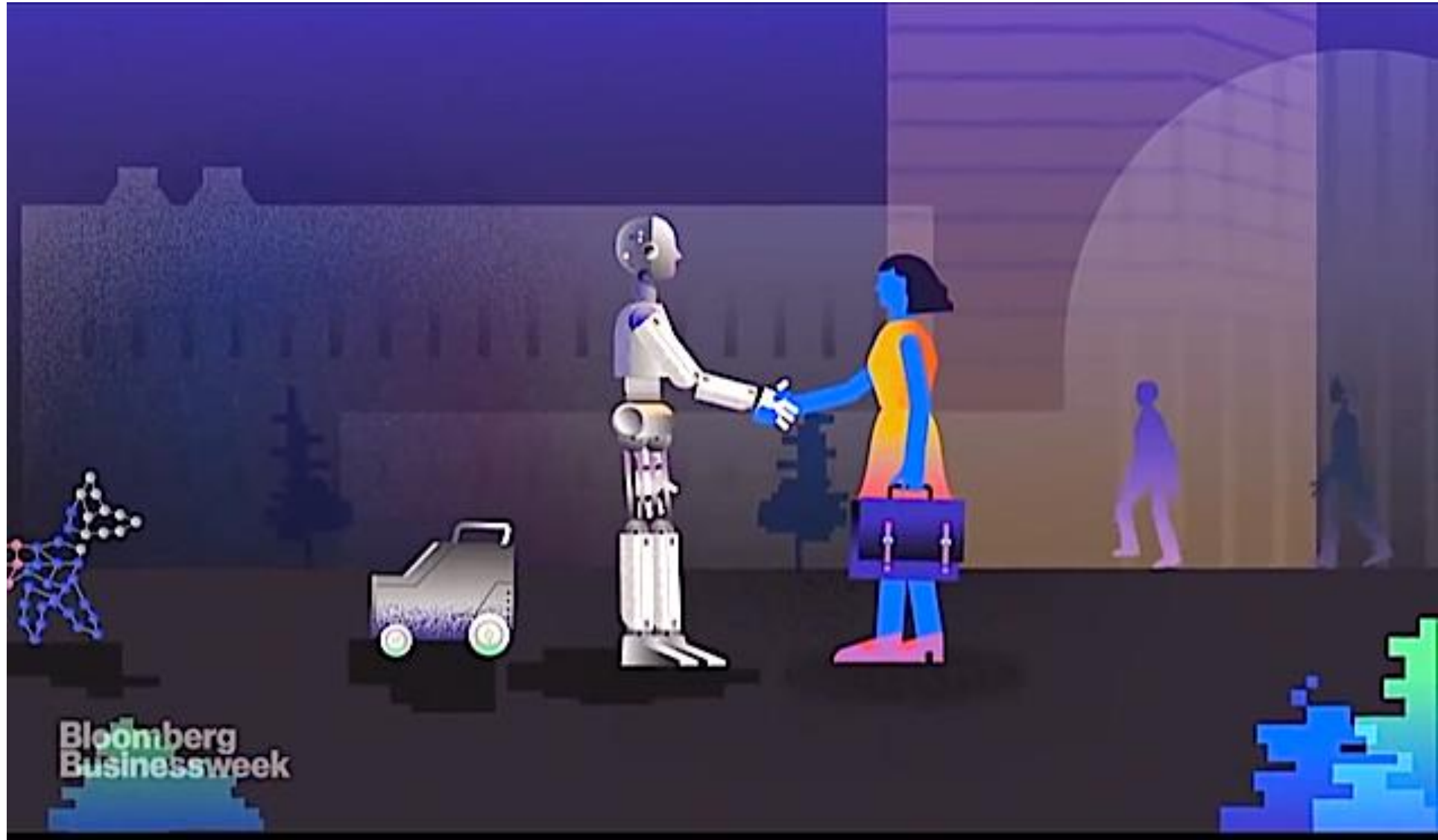
The Brain-Machine Interface

“Action and Imagination”

- Brain scans show that in action and imagination many of the same parts of the brain are activated – “visualization can improve performance”.
- Thought translation machine taps into motor program in a person or animal imagining an act, decode the distinctive electrical command to a device that puts the thought into action.



Super Intelligent AI





-GARCIA-16