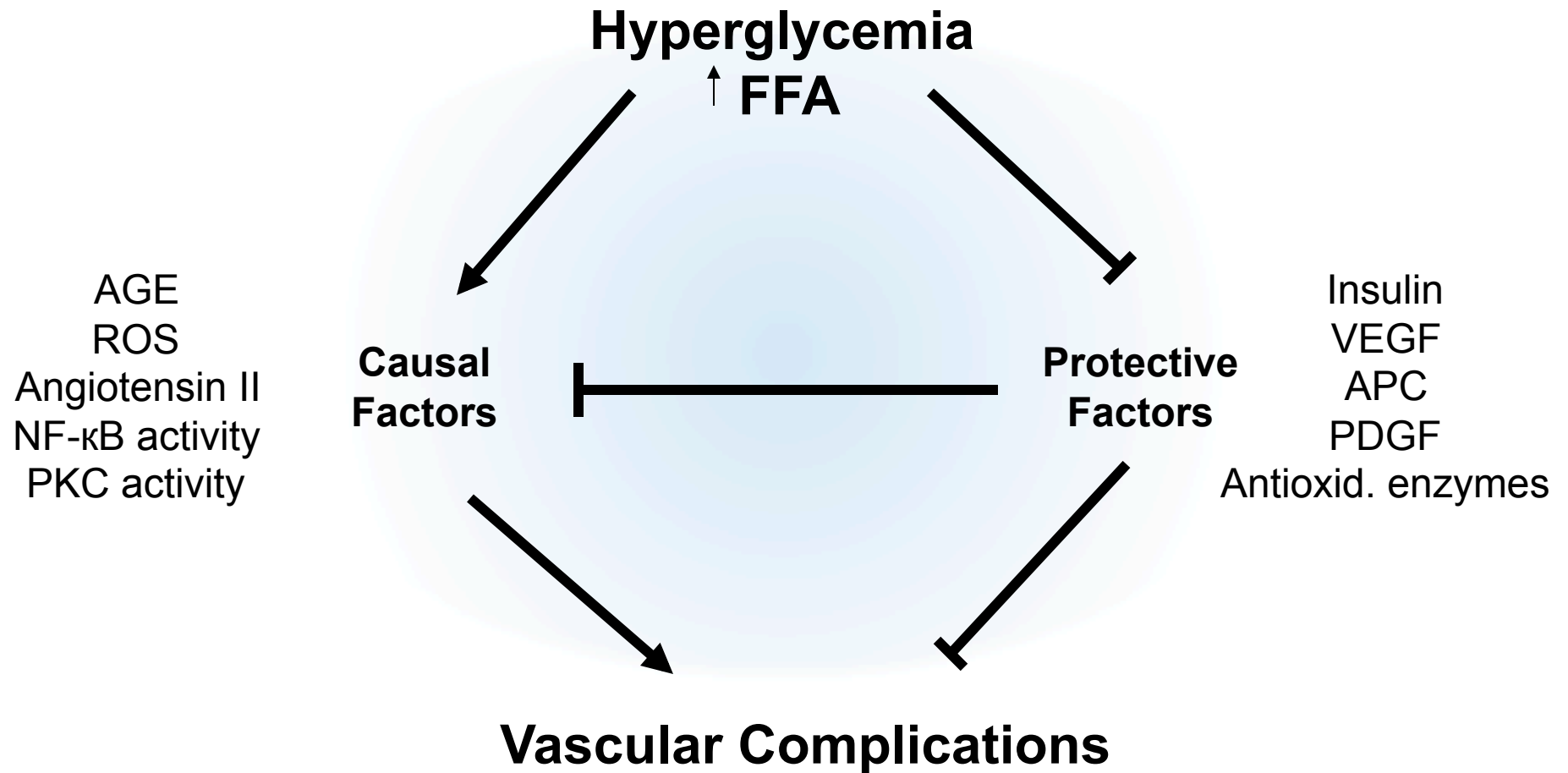


WHAT HAS CHANGED IN HEALTHCARE?

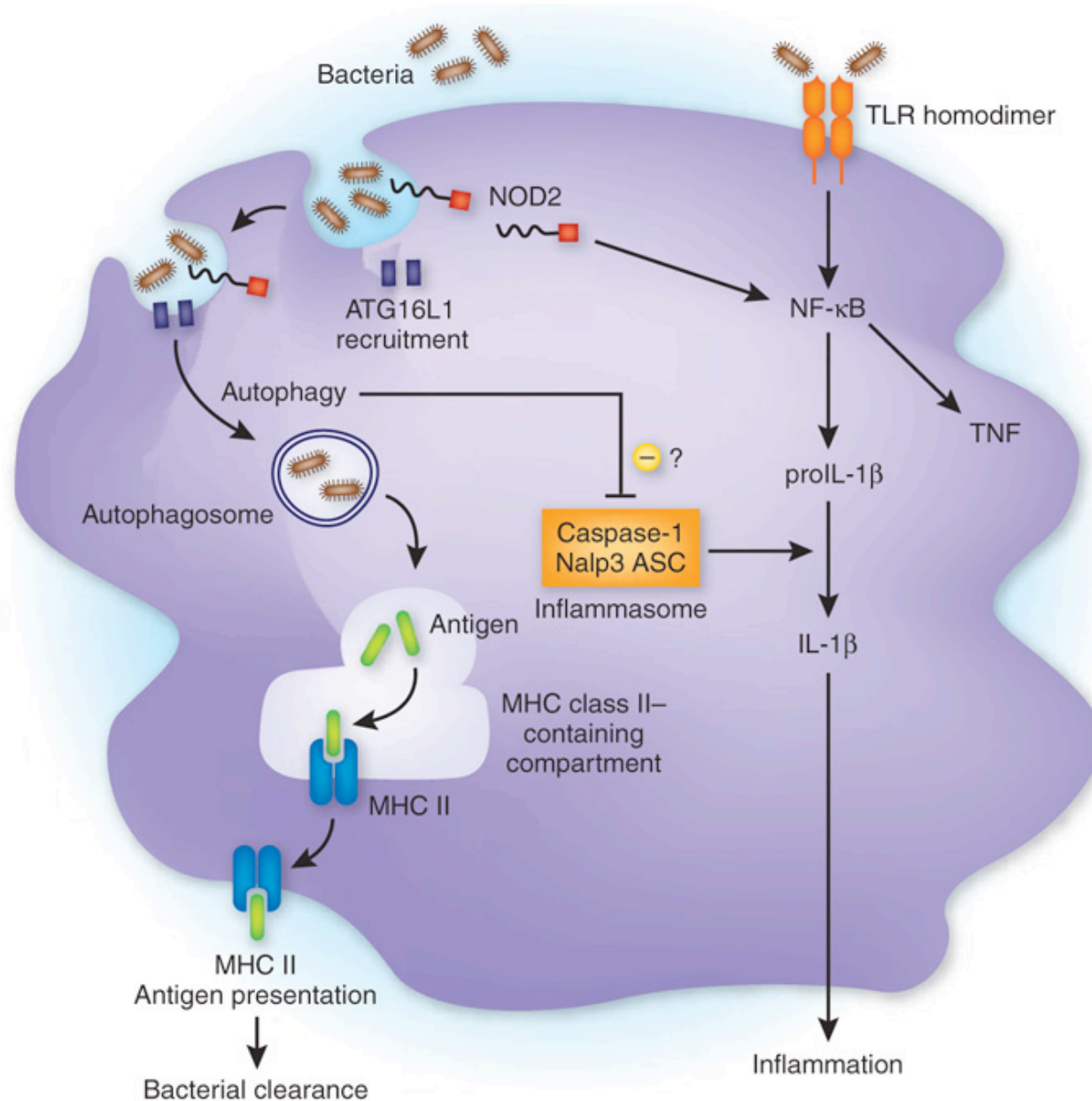


- TECHNOLOGY
- DATA VOLUME
- DATA COMPLEXITY
- DATA & KNOWLEDGE DISSEMINATION
- DEEPER PERSONALIZATION
- MORE INTERVENTIONAL OPTIONS
- ACCELERATING COSTS

Diabetes

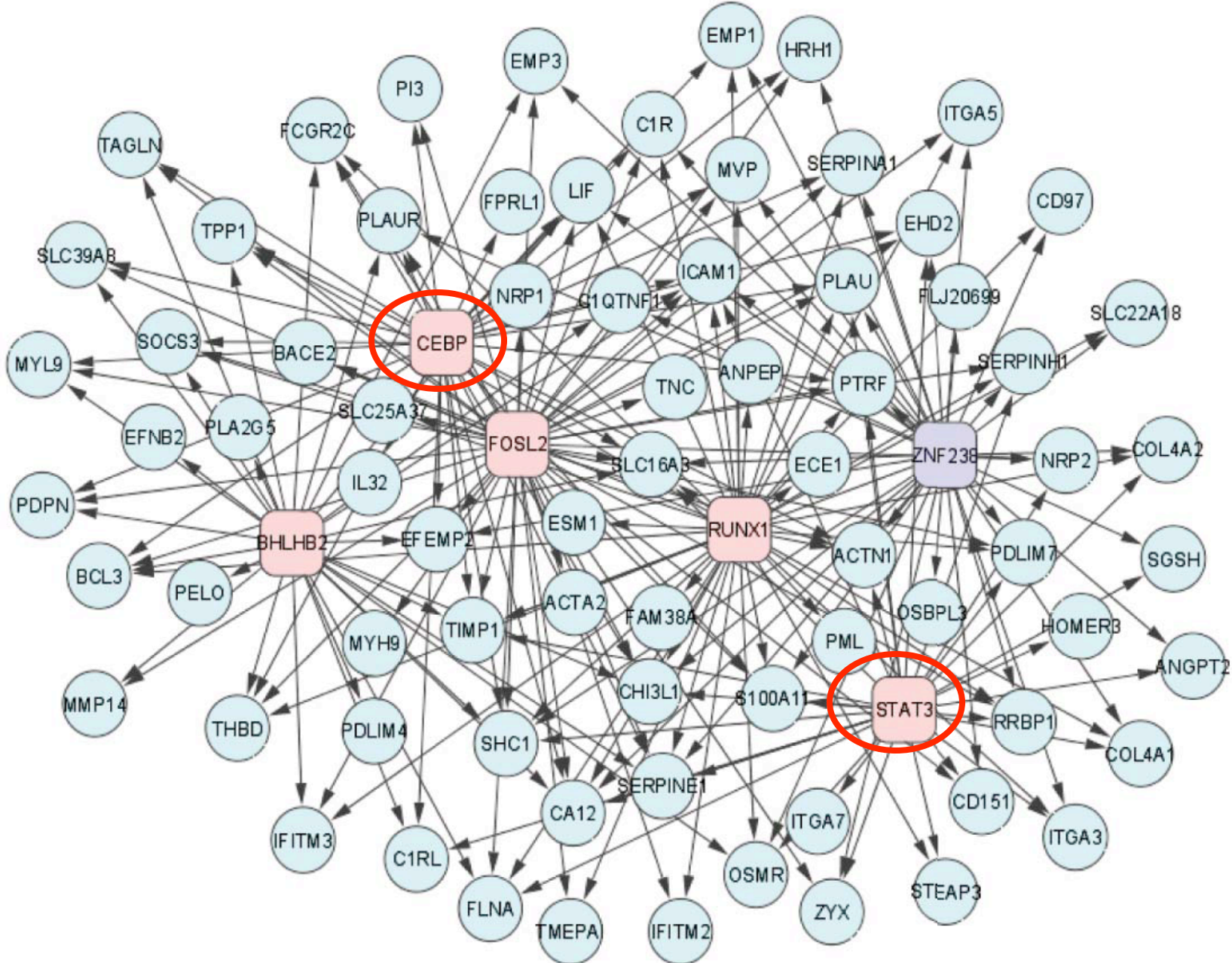


Crohns Disease



Netea & Joosten, 2010. *Nature Med.* 16: 28-30

Brain Tumor



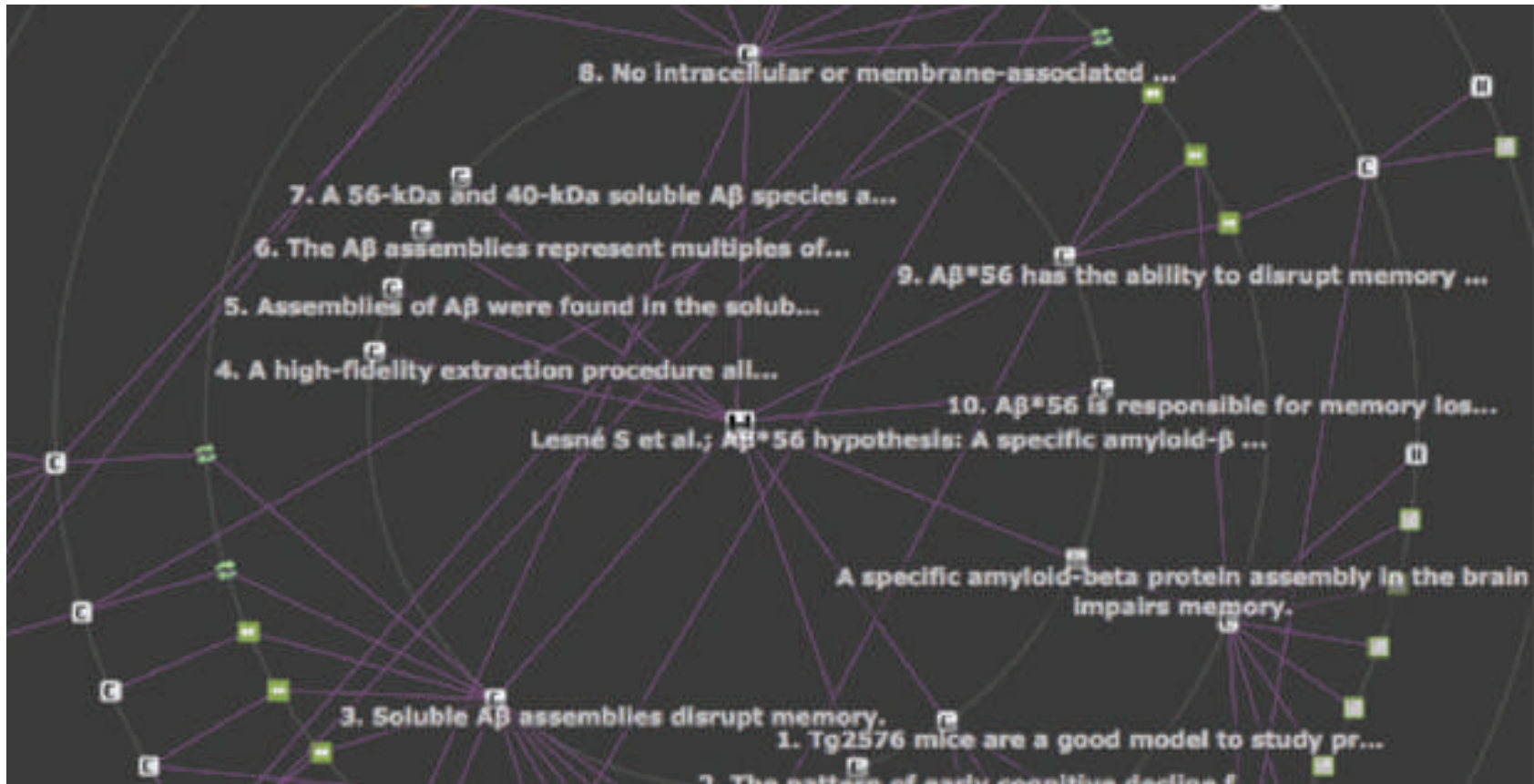
Caro et al., 2010. Nature 463: 318-325

What's a person to do?

- Patient
- Physician
- Third party payer
- Tort lawyer
- Policy maker

It takes a generation to retrain a physician

- Accelerate the retraining
- Deploy new training processes
- Train other health care workers
- Train the healthy subjects
- Innovate



**“Somebody staring at the data
or using existing tools would never
come up with this hypothesis.”**

Lok 2010 Nature 463: 416-7

We must *innovate* to capture

**The output of
INNOVATION**

