



do more  
feel better  
live longer

# Bioelectronic Medicines

SPARC Workshop 26<sup>th</sup> February

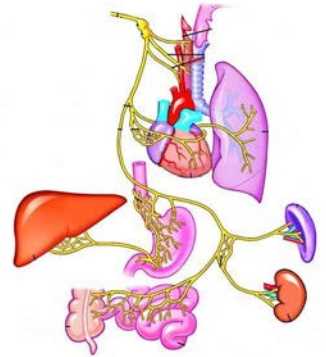
Roy Katso  
Open Innovation & Funding  
Partnerships  
Bioelectronics R&D  
GlaxoSmithKline

# GSK Funding Focus: Committed long term partner



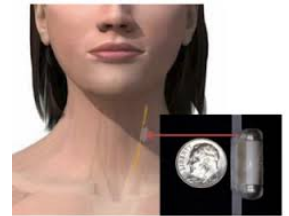
## Exploratory Research

- Test **hypotheses** central to future medicines
- 21 **disease biology** collaborative projects
  - 16 chronic diseases
  - 24 nerves
- 13 **visceral nerve interface** collaborative projects
  - 17 different interfacing approaches



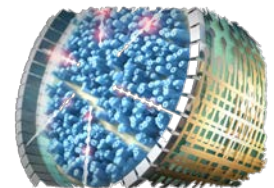
## Venture Funding

- Nurturing early manifestations of bioelectronics medicines and key platforms
- **3 investments** to date



## Innovation Challenge

- Development of **an open-access platform** to the global bioelectronics community to **research the effects of neural signalling on diseases**
- **\$1 million award** for the first team to develop a solution
- **\$5 million Innovation Challenge Fund**
- Phase 1 funding (\$200k) to 10 teams across 4 continents
- Phase 2 funding (up to \$1m) to 3 teams mid 2015

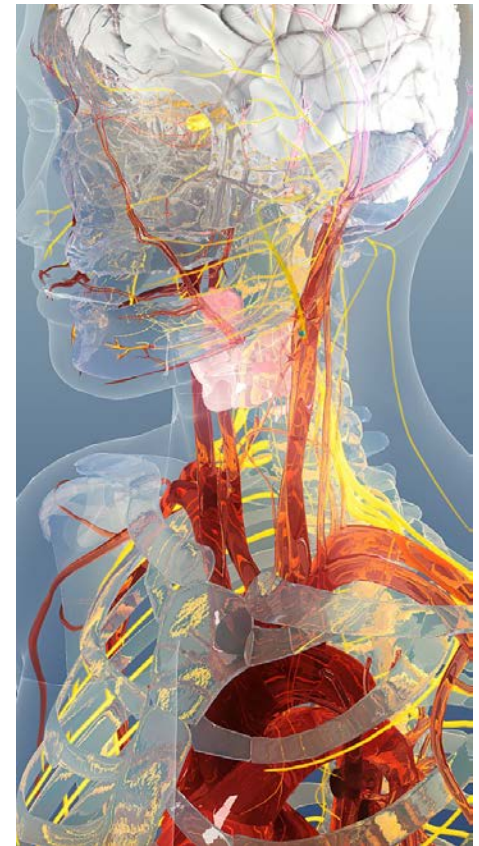


## Linking circuits to the effect on disease

- Seek to be an outstanding partner for chronic neuromodulation experiments in disease models
- Develop and deploy high resolution interfaces and research platforms
- Complementary role to ElectRx and SPARC remits: opportunistically follow leads

## Path to the clinic and patients

- Research platforms will be focused on really being able to establish both stimulation and recording parameters on visceral nerves
- A long-term translational partner with very strong tools and mechanistic intent to accelerate early proof of principle to the clinic



*Thank you*

