



RESEARCH CONTRACTS
& INNOVATION

University of Cape Town's role in developing new sectors of the economy

Dr Andrew Bailey
Senior Manager: Innovation





Sector Development

- Medical Devices
- Hydrogen Fuel Cells
 - Centre of Competence





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Medical Devices





Why medical devices

- ~R3bn (€ 52.1m) contract research
- 70% of research income to health sciences
 - 60% of that to clinical trials
- Strong Biomedical Engineering research
- Strong diagnostics research base
 - TB
 - HIV
 - Cancer



Elements of the Pipeline

- Biomedical Engineering Research Centre (BmERC)
- Medical Devices Design Course
 - Masters level
 - RC&I involvement
- merSETA
 - Manufacturing, engineering & related services
Sector Education & Training Authority
 - ViroVent Project [Covid]
 - Five courses
 - Industrialisation Fellowship

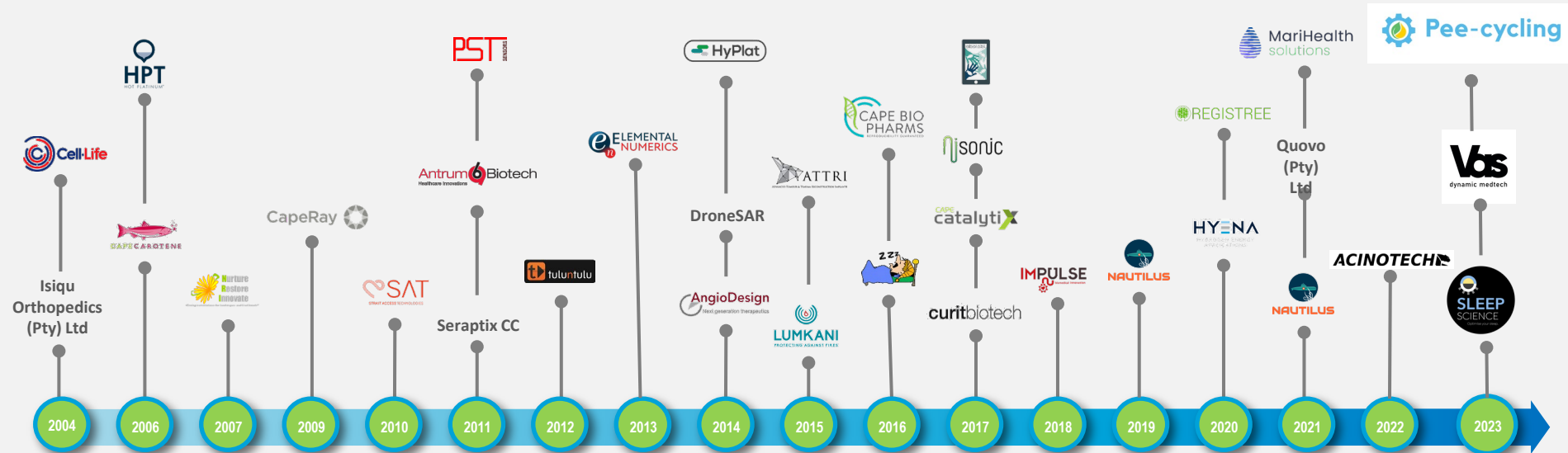


Prof Sudesh Sivarasu



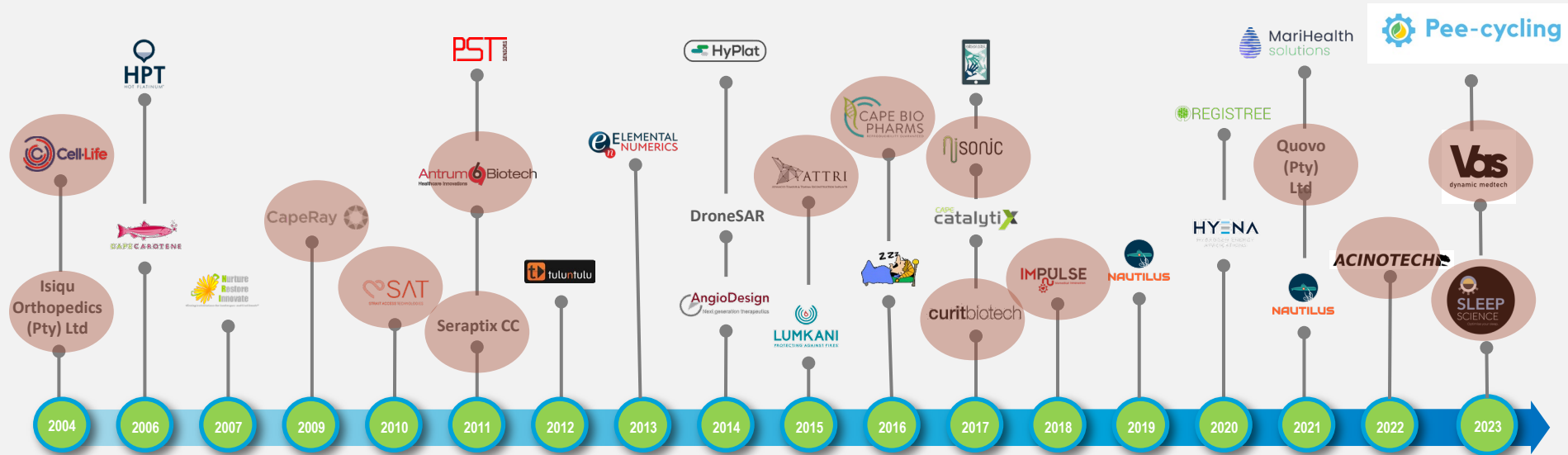


Spin-off company timeline





15 medical device-related companies







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Growing the Ecosystem

- Critical mass
- CEOs / Board members
- Quality System Management
- Regulatory / FDA
- Start-up Funding
- SA Medical Research Council (MeDDIC)
- Industry association
(Medical Device Manufacturers SA)
- Regional development (Wesgro)





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