

Background

Increasing emphasis on research impact means researchers need to take more responsibility for translating their work into practice.

Commercialisation is not traditionally part of a researcher's skillset, yet it is more likely to happen when the researcher is involved in the process.

Interactive courses have been developed that change people's thinking and develop skills by hands-on (experiential) learning.

Objectives

To empower biomedical innovators to confidently take ownership of their invention, career path and ability to have impact.

To boost translation of Australia's world-class medical research into patient benefits.

The Courses

- Experiential and interactive.
- Based on international best practice.
- Adapted to suit local ecosystems.
- Taught and mentored by experts including: entrepreneurs, investors, intellectual property attorneys, regulatory affairs specialists, marketing and finance professionals.

Entrepreneurial Mindset Bootcamp

- ❖ 2 day course
- ❖ Adapted from The Ice House Program (USA)

"I thought I need to focus on the science and someone else will deal with the business side ... **I really need to take charge** of all aspects of my project, including commercialisation... **it is possible to succeed** as a researcher in the business world."
Pauline Zaenker, MeDx co-founder, ECU

Concept-to-Creation

- ❖ 15 week course for innovators at startup phase

Perth Biodesign and Adelaide Biodesign

- ❖ 5-6 month course
- ❖ Adapted from Stanford Biodesign



Winners of Perth Biodesign 2018: Team JR Tech identified an unmet clinical need, developed a new technology solution and shaped an early stage business case.

Ronan O'Neill (Masters graduate), Caroline Chapman (research development advisor), Hayley Cullen (scientist), Tim McLennan (rehab engineer), James Charleson (medical student). Photo - Rhys Woolf

SPARK Monash

- ❖ 2 year course
- ❖ Adapted from SPARK at Stanford
- ❖ Seed funding provided when teams meet milestones

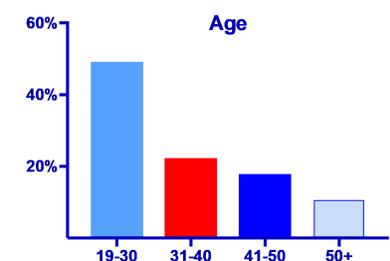
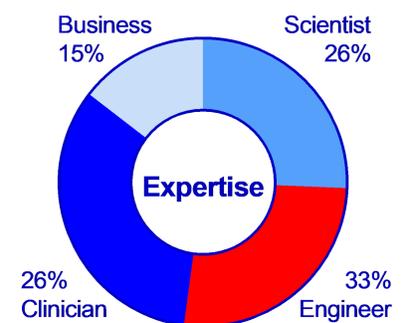
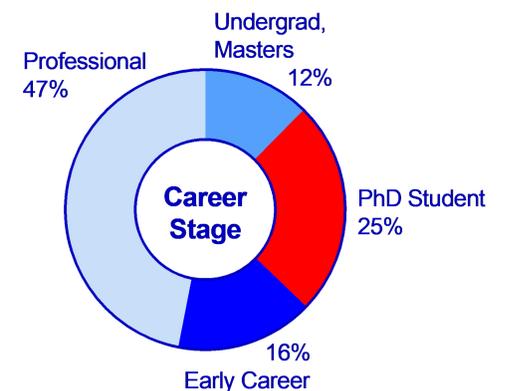
SPARK Global Bioinnovation

- ❖ Tokyo 2017 and Berlin 2018
- ❖ 2 week course with participants selected from universities all over the world
- ❖ Coming to Sydney in 2019!

The Participants

Scientists and clinicians train in teams with engineers, business and other professionals from all career stages.

Graphs summarise course participants in Perth Biodesign, Adelaide Biodesign, SPARK Monash and SPARK Global courses in 2017 and 2018.



Number of people trained since March 2017

Conclusion

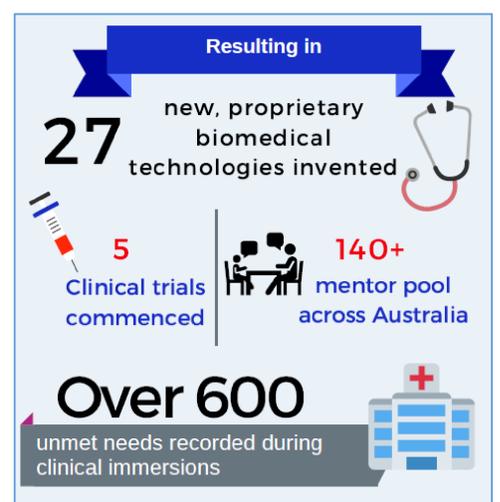
Course participants say the experiential training "reshapes the thinking process"¹ and gives awareness of new possibilities.

They gain a deeper understanding of team formation and teamwork.

They value learning from experts with genuine experience in commercialisation.

They value the networking; making contacts with the variety of specialists required for commercialisation.

¹ Lisseth Burbano-Portilla, Florey Institute, SPARK Berlin.



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