



Hosted by Cambridge Innovation Capital in partnership with Cambridge Enterprise





Dr Robert Tansley

Partner, Cambridge Innovation Capital







Spinning out your research the journey of an academic entrepreneur

15.15 – Welcome

Professor Andy Neely

15.25 - Founder talk - NoBACZ Healthcare

Dr Jonathan Powell and Dr Laura Donnelly

15.45 – Founder talk – Nu Quantum

Dr Carmen Palacios-Berraquero and Desmond Cheung

16.05 - Founder talk - StemBond Technologies

Dr Andrew Hodgson and Dr Jason Mellad

16.25 – Founder talk – Mosaic Therapeutics

Dr Adrian Ibrahim and Dr Anne Horgan

16.45 – Q&A panel – Founders

Facilitated by Dr Phil Elstob

17.05 - Q&A panel - Accelerators, investors and advisors

Facilitated by Dr Robert Tansley

17.25 – Closing comments

Dr Christine Martin

17.30 – Networking drinks



Professor Andy Neely, OBE

Senior Pro-Vice-Chancellor, and Professor of Manufacturing University of Cambridge





NoBACZ Healthcare

Dr Jonathan Powell

Founder and CEO of NoBACZ Healthcare



Dr Laura Donnelly

Commercialisation Manager at Cambridge Enterprise



N o B A C Z

HEALTHCARE

Sustainable Wound Care Solutions



Jonathan Powell CEO

INTRODUCING NoBACZ



Sustainable Healthcare Solutions

The NoBACZ **Technology Platform**



Clean, Green **Liquid Bandages & Barriers**



A University Spin out (Vet Med)

Founded by Dr Nuno Faria (CSO) and Dr Jonathan Powell (CEO)

Replace bandages & dressings

R&D continues in and with the Department of Veterinary Medicine



Tackling unmet needs in veterinary wound care:



- No need to remove bandages (self degrades)
- Can be applied on difficult-to-bandage areas
- Mud, slurry, detritus and bacterial resistant barriers: reduce topical antibiotics
- Food-grade constituents: safe, biodegradable, and good for the environment
- Finely tuneable technology: species/conditionspecific solutions



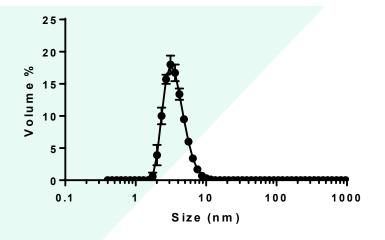
How it all came about....

• •

NANO EXPRESS Open Access

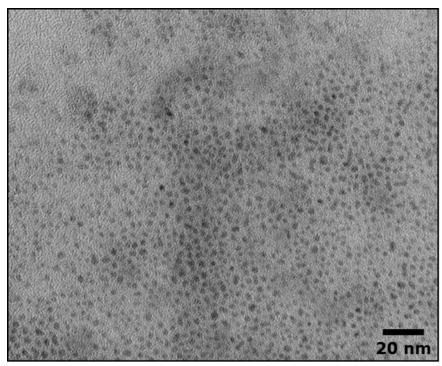
Ligand-Doped Copper Oxo-hydroxide Nanoparticles are Effective Antimicrobials







CrossMark



Talk by one of our PhD students at a Departmental seminar discussing our work on copper chemistry and tailoring bio-activity.



Copper widely used on Farms- is it optimum? Is it sustainable?







A senior farm vet notes the above

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WO 2018141989 (Advanced licensing discussions)
WO 2017167970 (Licensed)
WO 2017167969 (Licensed)
WO 2017167963 (Licensed)
WO 2016170152 (Licensed)
WO 2016170152 (Licensing discussions)
WO 2015121666 (Licensed)
WO 2015121667 (Licensed)
WO 2015067939 (under development)
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WO 2010015827 Licensed)

WO 2008096130 (Licensed)

As an academic group that embraces technology development this seemed an interesting challenge

Tip 1: immerse yourself in the problem



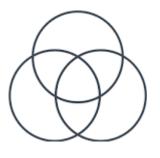
What one thinks the challenge may be and what it actually is can be two different things.....

Tip 1: immerse yourself in the problem



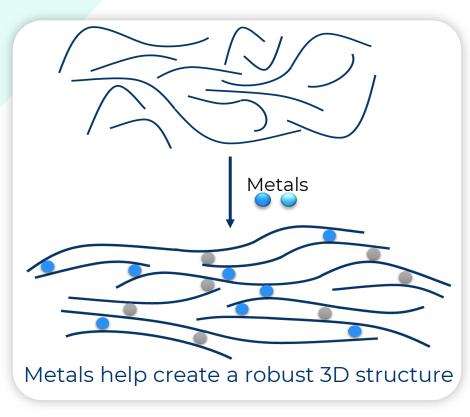


Tip 2: define your solution space

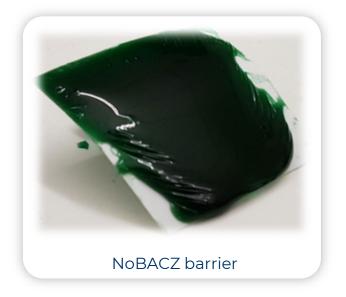


Vanilla safe. Food-use compatible



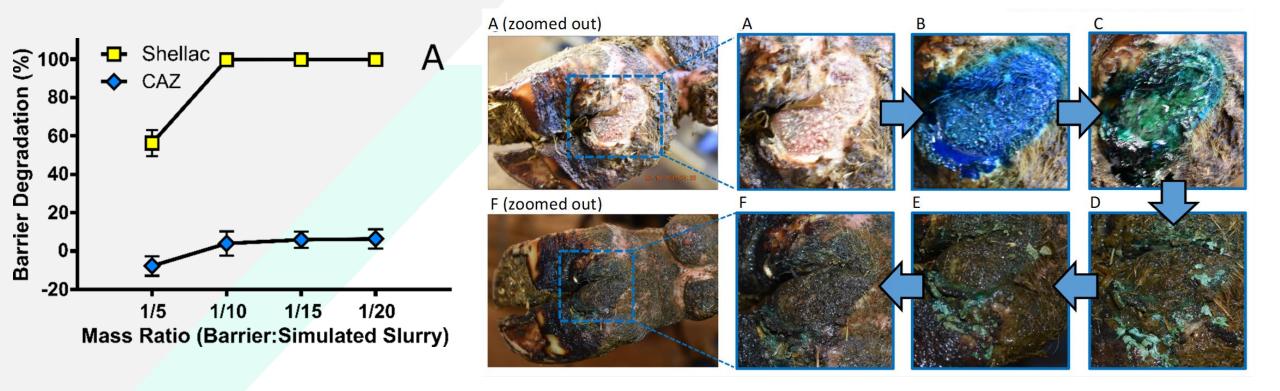


Biodegradable. Sustainable.



Affordable. Easily scaled. IP.

Tip 3: Convince your critical self



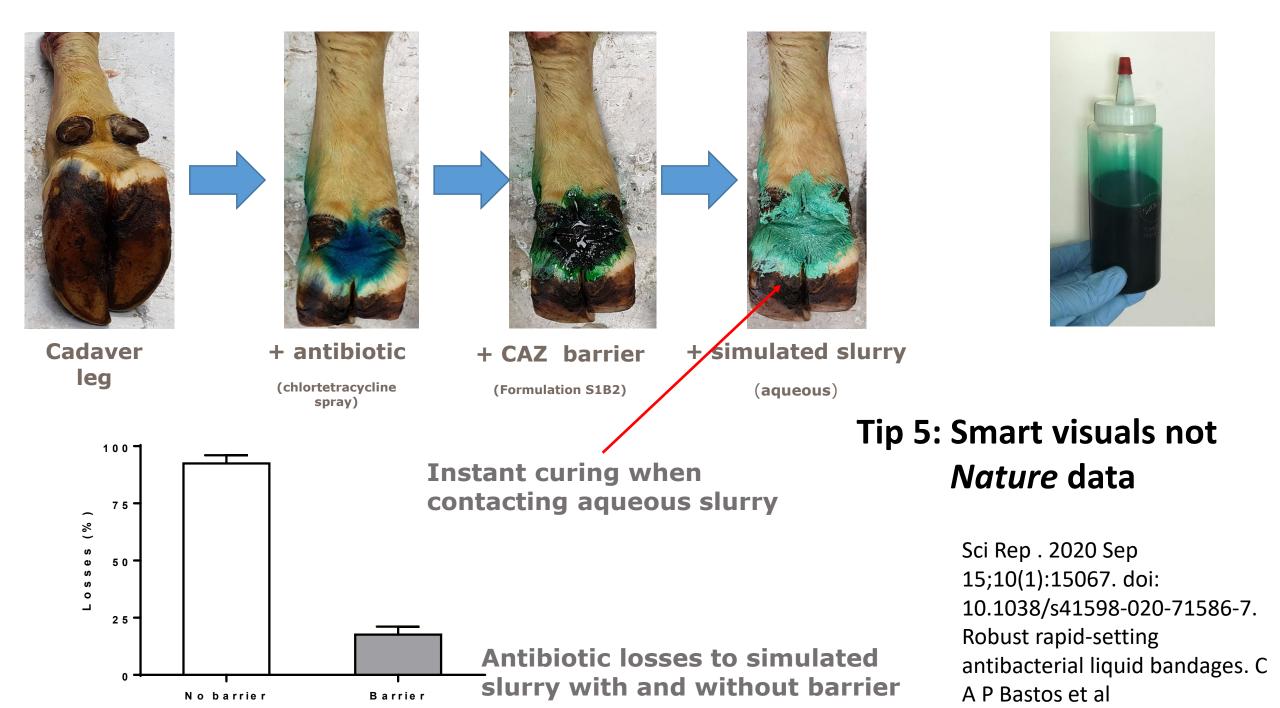
Challenge and beta test your prototype solution in relevant situations.

Sci Rep. 2020 Sep 15;10(1):15067. doi: 10.1038/s41598-020-71586-7. Robust rapid-setting antibacterial liquid bandages. C A P Bastos et al

Tip 4: Use local resource

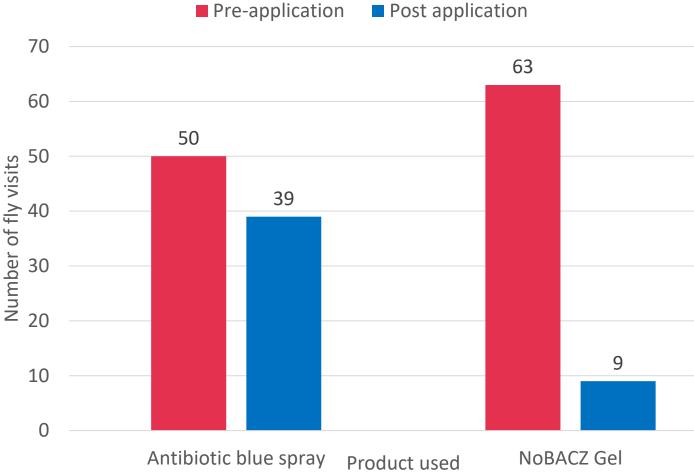
- Practitioners / KOLs (incentivise- skin in the game)
- IP Protection (CE)
- Unsecured Pre-Seed loans (CE)- targeted spend (market report, finance expertise)
- Entrepreneurs in residence (business model / case)
- Seed fund- local investors
- Follow on funding (seed +)
- Board expertise

Sustainable Wound Care Solutions



Fly Visits: NoBACZ Gel versus Antibiotic

Example 2 of Tip 5: Smart visuals not Nature data



And Finally: Where possible bootstrap and get to market uncomfortably early but safely......





Sustainable Wound Care Solutions

Summary Lessons learned (so far)

- <u>Immerse</u> <u>yourselves</u> in the problem
- Clearly define, and stay within, the solution space
- Critically test your own solution- never get bored of stress testing
- Use Local Resource
- Generate smart visuals (market science)
- Bootstrap sensibly (finance / business are logic not magic)
- Get to a test market early and safely.
- Good luck- you make your own!



Spinning out your research- the journey of an academic entrepreneur

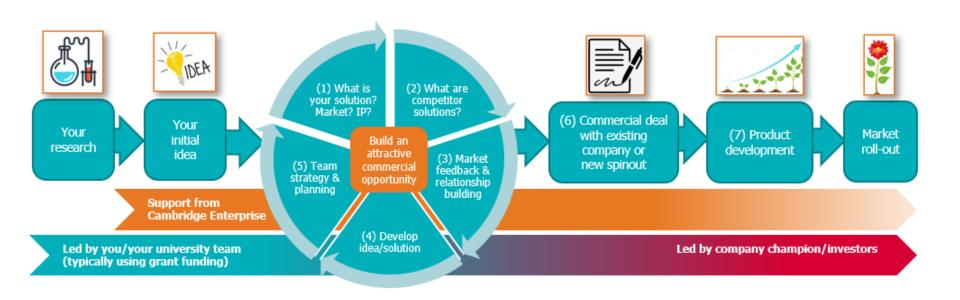
NoBACZ Healthcare

17th October 2023

Dr Laura Donnelly

Commercialisation Manager at Cambridge Enterprise Director of NoBACZ Healthcare

Commercialisation journey for a University idea





The NoBACZ Timeline



Initial disclosure to CE

Pre-seed funding

Market research First patent filing (Aug 2020)

Seed Extension March 2023

2017

2018

2019

2020

NoBACZ

incorporated (Dec 2019)

2021 IP Licence

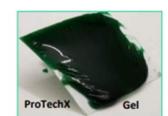
(Oct 2020)

Seed Raise (Oct 2020)

2022

2023

2024





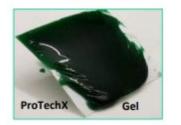




Building the opportunity: Market insight















Drying Speed

Dissolving Speed





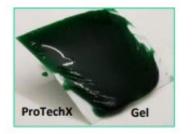


Digital dermatitis market size >\$100m





Building the opportunity: Market insight



Adhesive Flexible



Drying Speed

Dissolving Speed





















Farm and companion animal market size >\$800m



Building the opportunity

Pre-seed funding- summer 2020

- Select Manufacturer
- Design clinical trial
- Understand regulations
- Fundraising activities
- Establish company operations
- Development of commercial strategy







Fundraising: Seed Raise

Seed Raise: Oct 2020

CAMBRIDGE
ANGELS

- Cambridge Enterprise Seed Funds
- Angels
- Martlet Capital



Innovate UK







Fundraising: Seed Extension

Seed Extension March 2023

- Cambridge Enterprise Seed Funds
- Martlet
- Angels
- The Yield lab

Innovate UK



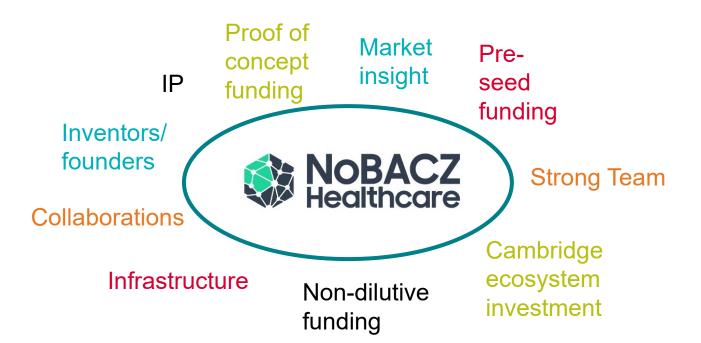








NoBACZ Healthcare Ltd







Thank you





Dr Carmen Palacios-Berraquero

Founder and CEO of Nu Quantum



Desmond Cheung

Senior Investment Analyst at Cambridge Enterprise





The Venture Investing Arm of the University of Cambridge

Spinning out your research – the journey of an academic entrepreneur

17 October 2023



Cambridge Enterprise Seed Fund's Mission

- 1. We Back Our Own Companies
 We invest the University of Cambridge's money into its own spin-outs
- 2. Driven by Impact and Financial Return

 All investments should have high return potential –
 but must first also make positive impact on society
- 3. Rigorous Assessment and Governance
 Rigorous investment assessment with experienced investment committee governance
- 4. Develop Strong Syndicates and Partners
 Trusted investors and partners who co-invest and
 work with us regularly



Our Key Numbers

£38M

Invested over the fund lifetime

£3.1B

In follow-on funding raised by portfolio companies

4.27x

Multiple across realized investments

264

Investments made in 146 companies



Leading University Seed Fund



3rd Most Innovative University Ecosystem

Investment remit

PORTFOLIO VALUE: £124M

From Pre-seed to Series A

- Up to £2M in total available for each company
- Supporting 15 new businesses every year
- £7m to investment in sustainability by 2025

In 2021/2022

- £10.9m investment approved in 34 spin-outs
- 19 pre-seed investments
- 10 seed companies formed
- £11.8m returned to CE and the University (incl. realisations from licensing equity)



Our Investment Buckets

Deep Tech

POROTECH











Intellegens

Life Sciences













Sustainability









Carbon^{Re}



Socia Ventures









StemBond Technologies

Dr Andrew Hodgson

Founder and CEO of StemBond Technologies



Dr Jason Mellad

Founder and CEO at Start Codon

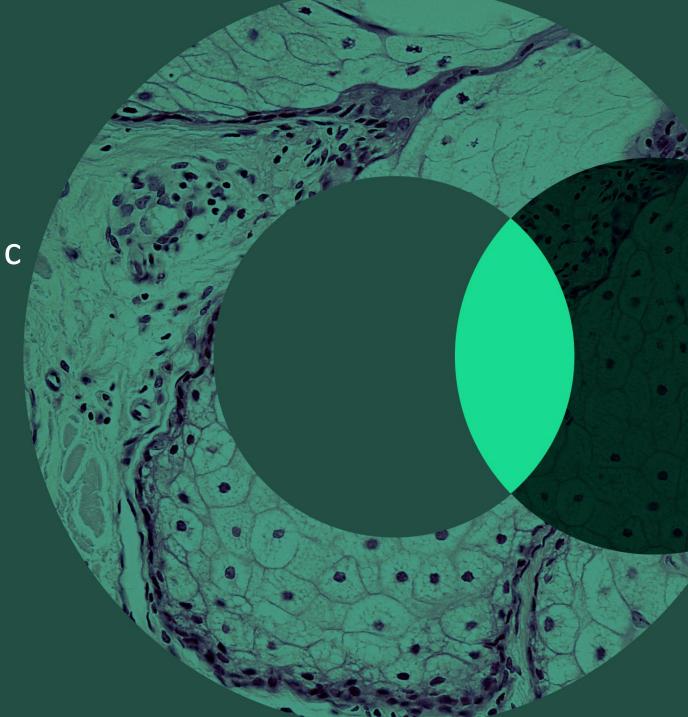




My Journey as an Academic Entrepreneur

Dr Andrew C Hodgson Co-Founder & CEO 18th October 2023

info@stembond.tech www.stembond.tech



I've always wanted to found and build a company.

"Any business as long as it's mine"

"This tech/idea is so good I need to found a company"

Motivation Spectrum

My Drive:

- **Biotech**
- Physics and Engineering
- Cancer



- Astrophysics
- Nanotech Enterprise
- PhD Physics



Motivation

Business Building

Focus and planning put me in the right place at the right time. time.



The Chalut group developed new biotechnology to harness cell function.



A new hydrogel was invented that could revolutionise cell culture.

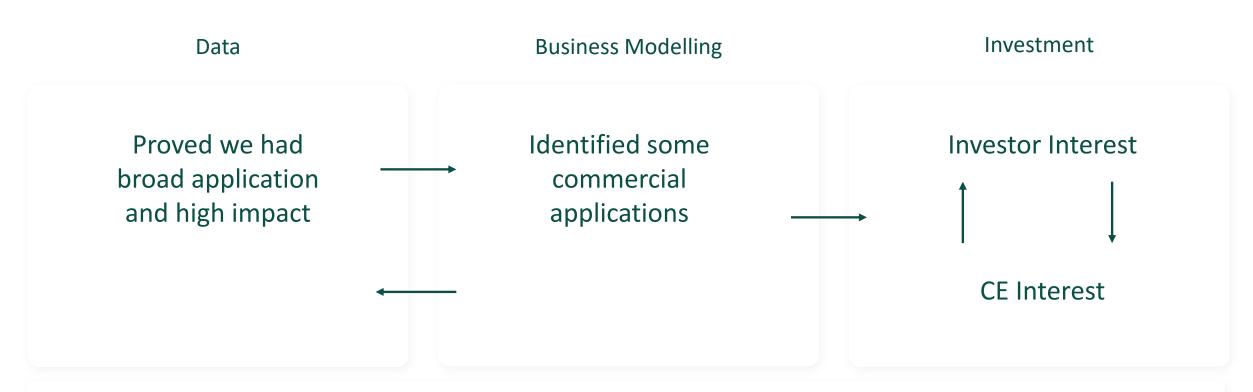


We had a solution, but what was the right question?





We had to convince Cambridge Enterprise of a business opportunity to support the patent application.

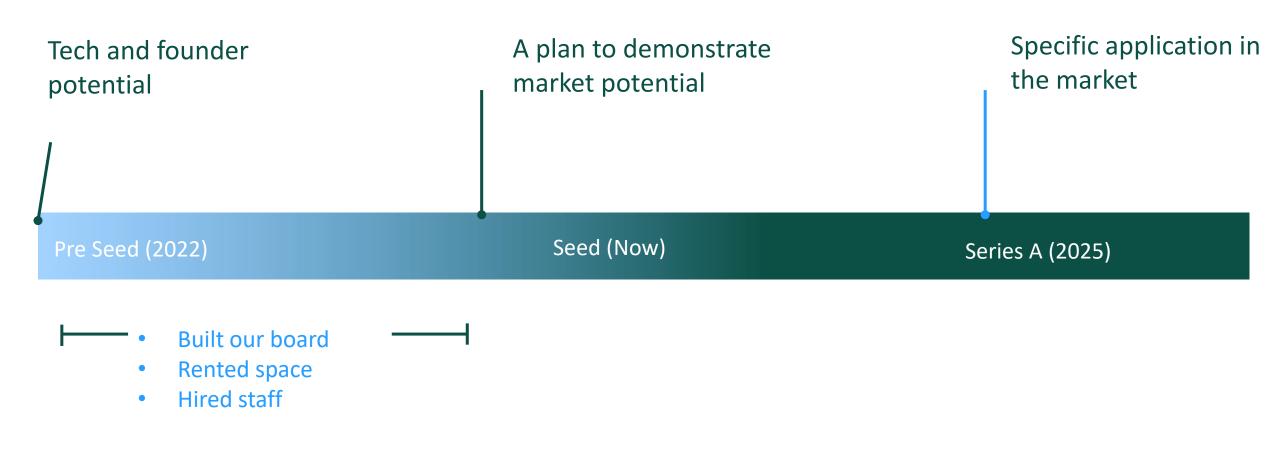


Pre-`Pre-seed` goal if you have a UoC invention: coordinate investors and Cambridge Enterprise to license your IP and raise investment





Between Pre-seed and Seed, we defined the company vison, mission and focus.







There is no fixed route, framing is critical, and this is not a 'war'!



Build an idea of what is possible from as many talks and books as you can access.



Frame your idea in a way that interests your audience.



Find a way to make this fun for you. It's not a battle; it's your life. Look after yourself and enjoy it.

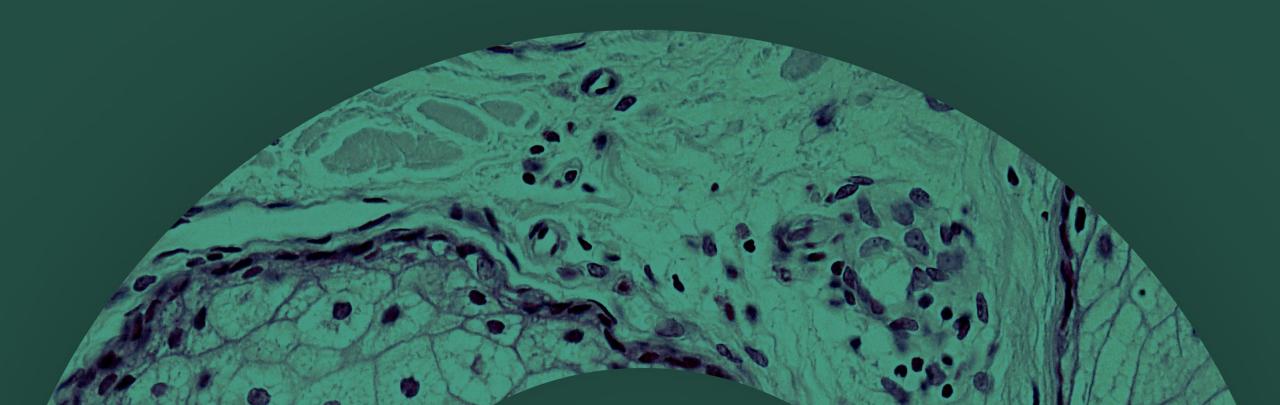


Business Building Key Lessons



Enhancing the Human Immune System

info@stembond.tech | www.stembond.tech





Mosaic Therapeutics

Dr Adrian Ibrahim

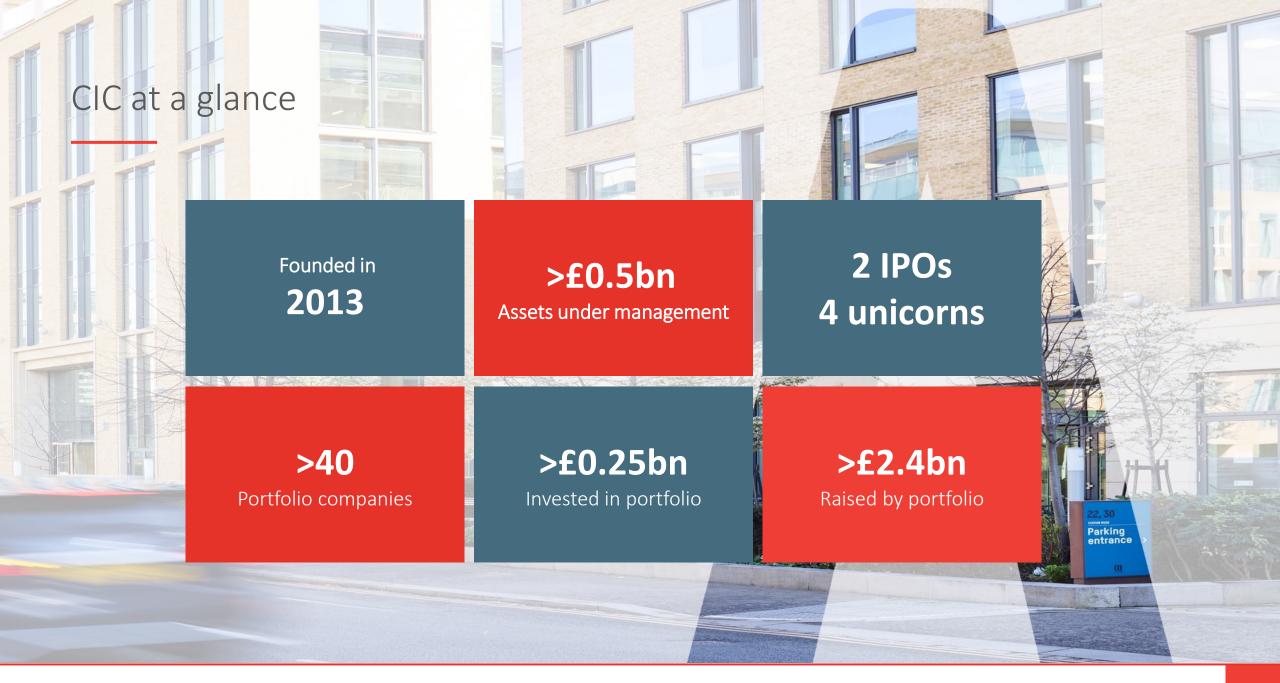
Co-Founder and SVP of Mosaic Therapeutics



Dr Anne Horgan

Partner at Cambridge Innovation Capital





Our investment team



Andrew Williamson
Managing Partner



Paul AnsonOperating Partner



Michael Anstey
Partner



Anne Horgan Partner



Edward Inns Senior Associate



lan Jauncey
Operating Partner



lan Lane Partner



Dipesh PatelOperating Partner



Robert Tansley
Partner



Chris Tapper Senior Associate

Confidential CAMBRIDGE INNOVATION CAPITAL

Our operations team



Rob Sprawson
Partner and CFO



Eva Bello Executive Assistant



Tori Denman
Investor Relations



Stefan Galander Operations Analyst



Michelle Lamprecht Head of Corporate Affairs



Matt Maynard Events Manager



Nick Richards
General Counsel



Vivien Szolik Receptionist



Sylwia Szulc Finance Manager



Victoria Woodward Head of Business Support



Professor Neil Lawrence, Adviser in Residence
Mihriban Tuna, Entrepreneur in Residence
Rupert Baines, Entrepreneur in Residence
Damian Crowther, Entrepreneur in Residence

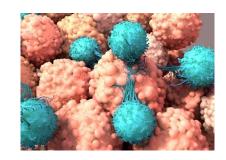
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CIC investment sectors









| Future of Compute | ClimateTech | MedTech | Therapeutics |
|-------------------------|-----------------------|-------------------------|---------------------------|
| Artificial intelligence | Renewable energy | Robotics | Small and large molecules |
| Semiconductor design | Energy storage | Genomics | Advanced therapies |
| Quantum computing | Sustainable materials | Diagnostics and devices | Digital therapeutics |

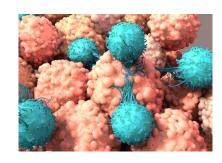
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CIC portfolio companies









Future of Compute

ClimateTech

MedTech

Therapeutics



















































Exited

















CIC portfolio companies have raised over £2.4bn in capital from specialist investors and strategics



Deeptech





Founders



Dr Jonathan Powell





Dr Carmen Palacios-Berraquero





Dr Andrew Hodgson





Dr Adrian Ibrahim



Dr Phil Elstob





Q&A panel



Accelerators, investors and advisors



Dr Laura Donnelly



Desmond Cheung



Dr Jason Mellad



Dr Anne Horgan



Dr Robert Tansley











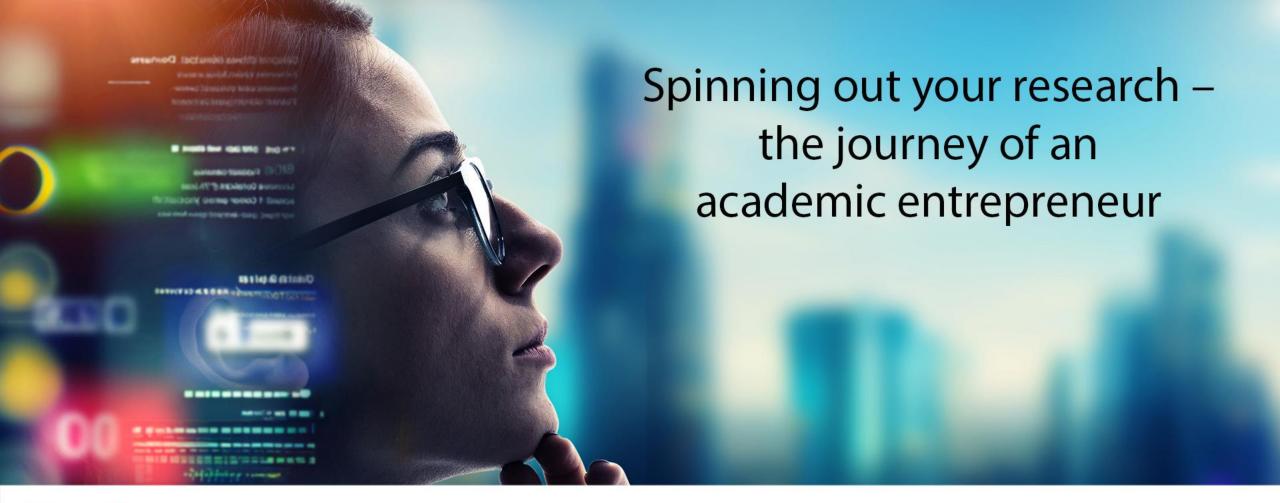


Dr Christine Martin

Head of Seed Funds, Cambridge Enterprise









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