Academia-Industry Partnerships: An Industrial Perspective

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My background

- BSc (Chemistry) University of Western Australia
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- Industrial Supervisor to PhD Students and Postdoc
- GSK’s representative on PIPS
- GSK’s representative on technical committee on CMAC

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This Presentation

- Different type of academic-industrial collaborations
- Technology Readiness Levels
- How? Next steps
Types of Academic-Industrial Collaborations

CMAC
8 Pharmaceutical Companies
7 University

PROS:
CONS:

Pharma Innovation Programme Singapore
3 Pharmaceutical Companies
1 Research Organisation

PROS:
CONS:

Mid-sized consortium:
Multiple research organisation – single company ??

Large consortium
Multi-companies:
Multi-universities

1:1 PhD/Postdoc: Industry
eg CASE awards

1:1 Interactions

PROS:
CONS:
Translating Academic Research to Industry

Krupali
Engineering researcher
Nashik, India
Technology Readiness Level

- **Seek**
- **Select**
- **Learn**
- **Integrate**
- **Incubate**
- **Industrialise**

- **Basic research**
- **Applied research**

- **Idea**
  - Unproven concept

- **Problem Solving & Feasibility**
  - Explore core principles
  - Carry out research & refine Technology Development

- **Proof of Concept**

- **Valley of Death**

- **Technology Development/Prototype**

- **Implementation/Embed**
How to get involved?

– Network
– Communication
– “Fellowship” ?