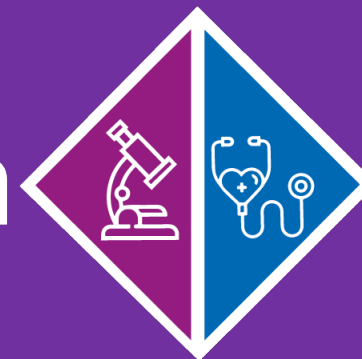


# Translational Research

## Manchester 2023



## Session Four

Supporting the next Steps in your Translational Pathway

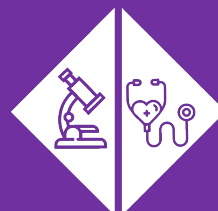
**Chair:**  
Dr Lloyd Gregory



Scan for full  
programme



@Translation\_Mcr



#TranslationMCR23

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# TranslationalResearch

► Manchester 2023



## SESSION 4

### SUPPORTING THE NEXT STEPS IN YOUR TRANSLATIONAL PATHWAY

Chair: Dr Lloyd Gregory

14:00 – 14:10

***Smiles and Strategies: Keeping antibiotics working via policy and practice***

**Dr Wendy Thompson**, NIHR Clinical Lecturer in Primary Dental Care

14:10 – 14:20

***Commercialisation & IP – what support does UMIF offer?***

**Joanna Denbigh**, University of Manchester Innovation Factory

# Smiles and Strategies:

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Keeping antibiotics working via policy and practice

Dr Wendy Thompson,  
Clinical Lecturer in Primary Dental Care  
Chair of FDI World Dental Federation AMR Working Group



**Smile – this talk is about dentistry 😊**

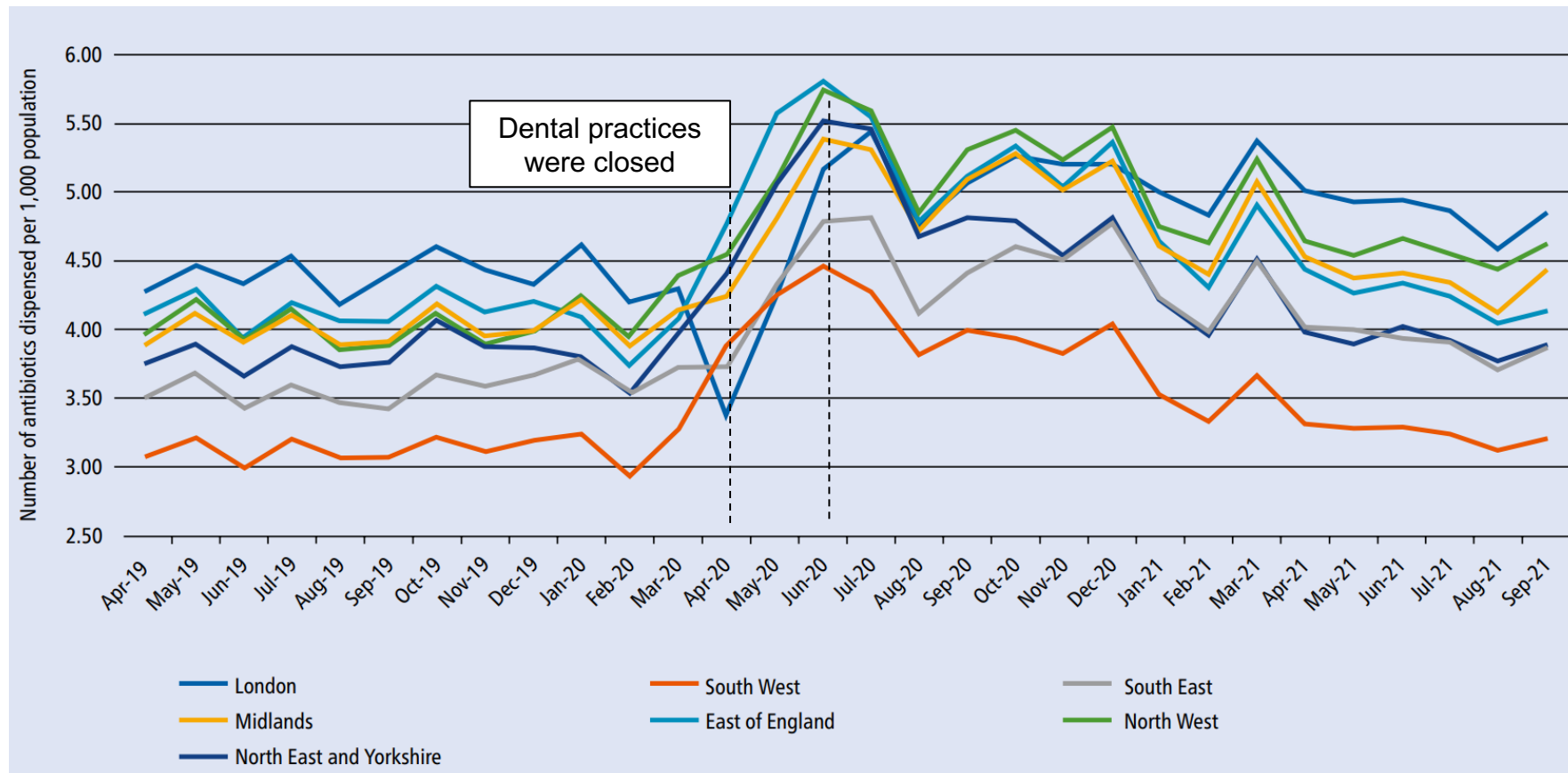




## Strategy 1: Translation into policy

- Know (and be known by) the right people
- Be in the right place at the right time
- Have relevant research ready
- Recognise science is only part of it  
.....the rest is politics





# Policy is rarely sexy



[Home](#) > [Health and social care](#) > [Public health](#) > [Dentistry](#)

Guidance

## Dental antimicrobial stewardship: toolkit

The dental antimicrobial stewardship (AMS) toolkit for primary care was developed in collaboration between the Dental Subgroup of Public Health England's English surveillance programme for antimicrobial utilisation and resistance (ESPAUR), Faculty of General Dental Practice (FGDP) and British Dental Association (BDA).

— [Why the toolkit was developed](#)

— [The Dental Subgroup](#)



[Print this page](#)

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# Work with the Policy@Manchester team



26

*Culture shift: Tackling antimicrobial resistance from agriculture to operating table*

Dr Michael Bottery, Professor Michael Brockhurst, Professor Lucie Byrne-Davis, Professor Michael Bromley and Dr Wendy Thompson



30

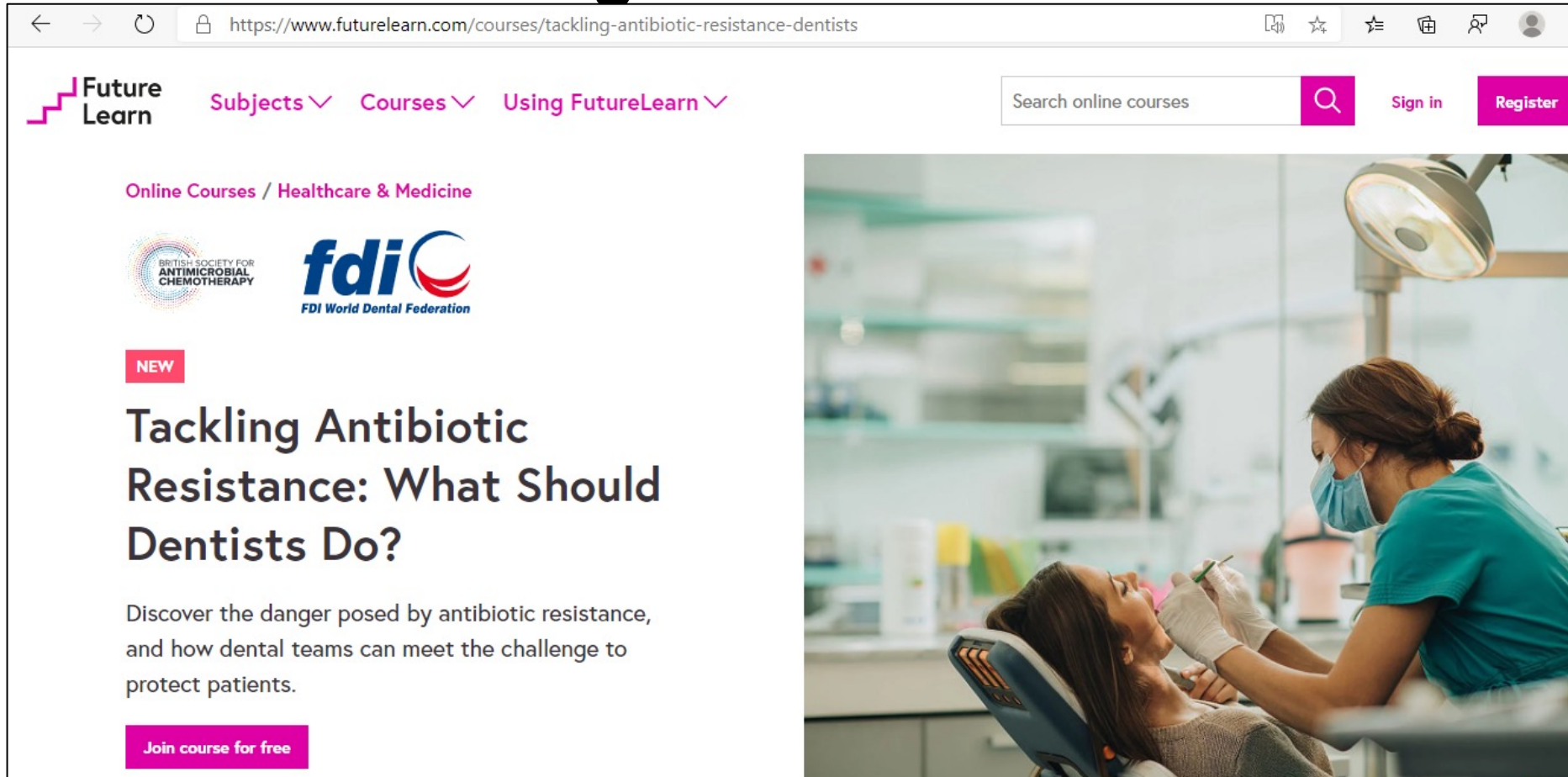
*Sparking change - the rush to electrify*

Dr Robin Preece, Dr Eduardo Alejandro Martínez Ceseña and Professor Paul Jarman

## Strategy 2: Translation into practice

- Know (and be known by) the right people
- Engage key organisations
- Say yes to opportunities
- Listen to end users

# Remember the government website?



The screenshot shows a web browser window with the URL <https://www.futurelearn.com/courses/tackling-antibiotic-resistance-dentists>. The FutureLearn logo is in the top left, with navigation links for Subjects, Courses, and Using FutureLearn. A search bar and 'Sign in'/'Register' buttons are in the top right. The main content area features the breadcrumb 'Online Courses / Healthcare & Medicine', logos for the British Society for Antimicrobial Chemotherapy and the FDI World Dental Federation, a 'NEW' badge, and the course title 'Tackling Antibiotic Resistance: What Should Dentists Do?'. A description states: 'Discover the danger posed by antibiotic resistance, and how dental teams can meet the challenge to protect patients.' A 'Join course for free' button is at the bottom left. On the right, a large image shows a dentist in teal scrubs and a blue face mask examining a patient's teeth in a clinical setting.

FutureLearn Subjects Courses Using FutureLearn

Search online courses Sign in Register

Online Courses / Healthcare & Medicine

BRITISH SOCIETY FOR ANTIMICROBIAL CHEMOTHERAPY

**fdi**  
FDI World Dental Federation

NEW

## Tackling Antibiotic Resistance: What Should Dentists Do?

Discover the danger posed by antibiotic resistance, and how dental teams can meet the challenge to protect patients.

Join course for free

# FDI-funded research

INTERNATIONAL DENTAL JOURNAL 73 (2023) 456–462

## Scientific Research Report

# International Consensus on a Dental Antibiotic Stewardship Core Outcome Set

Wendy Thompson<sup>a\*</sup>, Leanne Teoh<sup>b</sup>, Celine Pulcini<sup>c</sup>, Susie Sanderson<sup>d</sup>,  
David Williams<sup>e</sup>, Vanessa Carter<sup>f</sup>, Carole Pitkeathley<sup>g</sup>, Tanya Walsh<sup>a</sup>

<sup>a</sup> University of Manchester, Manchester, United Kingdom

<sup>b</sup> University of Melbourne, Melbourne, Australia

<sup>c</sup> Université de Lorraine, Nancy, France

<sup>d</sup> FDI World Dental Federation, Geneva, Switzerland

<sup>e</sup> Queen Mary University of London, London, United Kingdom

<sup>f</sup> Johannesburg, South Africa

<sup>g</sup> Blyth, United Kingdom



# Co-produce research with end users



# Take home messages

Know (and be known by) the right people

Keep smiling 😊



# UMIF: University of Manchester Innovation Factory IP & Commercialisation support

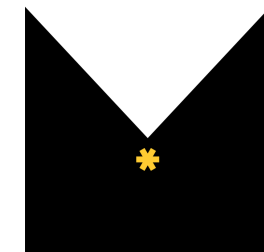
13/09/23

**Dr Joanna Denbigh**  
**Senior Innovation Discovery Manager**

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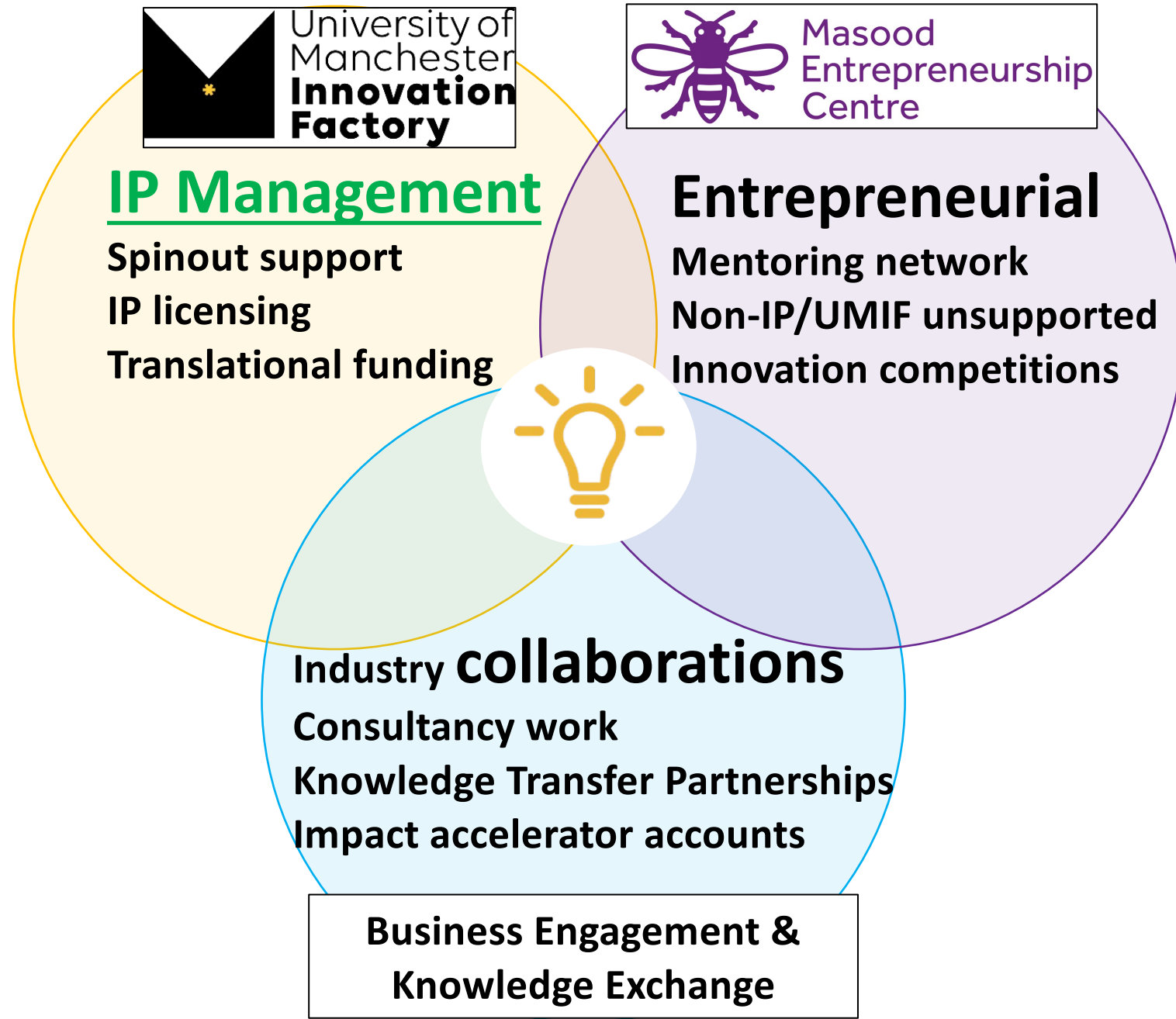
University of  
Manchester  
**Innovation  
Factory**



A low-angle, upward-looking photograph of the University of Manchester's main building, a grand Gothic Revival structure made of light-colored stone. The image shows multiple levels of arched windows, some with blue-tinted glass, and a large central archway at the bottom. The sky is a clear, deep blue. Overlaid on the image is a quote in white and yellow text.

“Commercialising The University of  
Manchester’s innovations &  
**intellectual property**  
to create positive social,  
environmental & **economic impact**”

# Technology Transfer





# Technology Transfer

2021-2023

## Spinout companies

16x new companies launched  
>£10M raised in first investments

## IP licensing

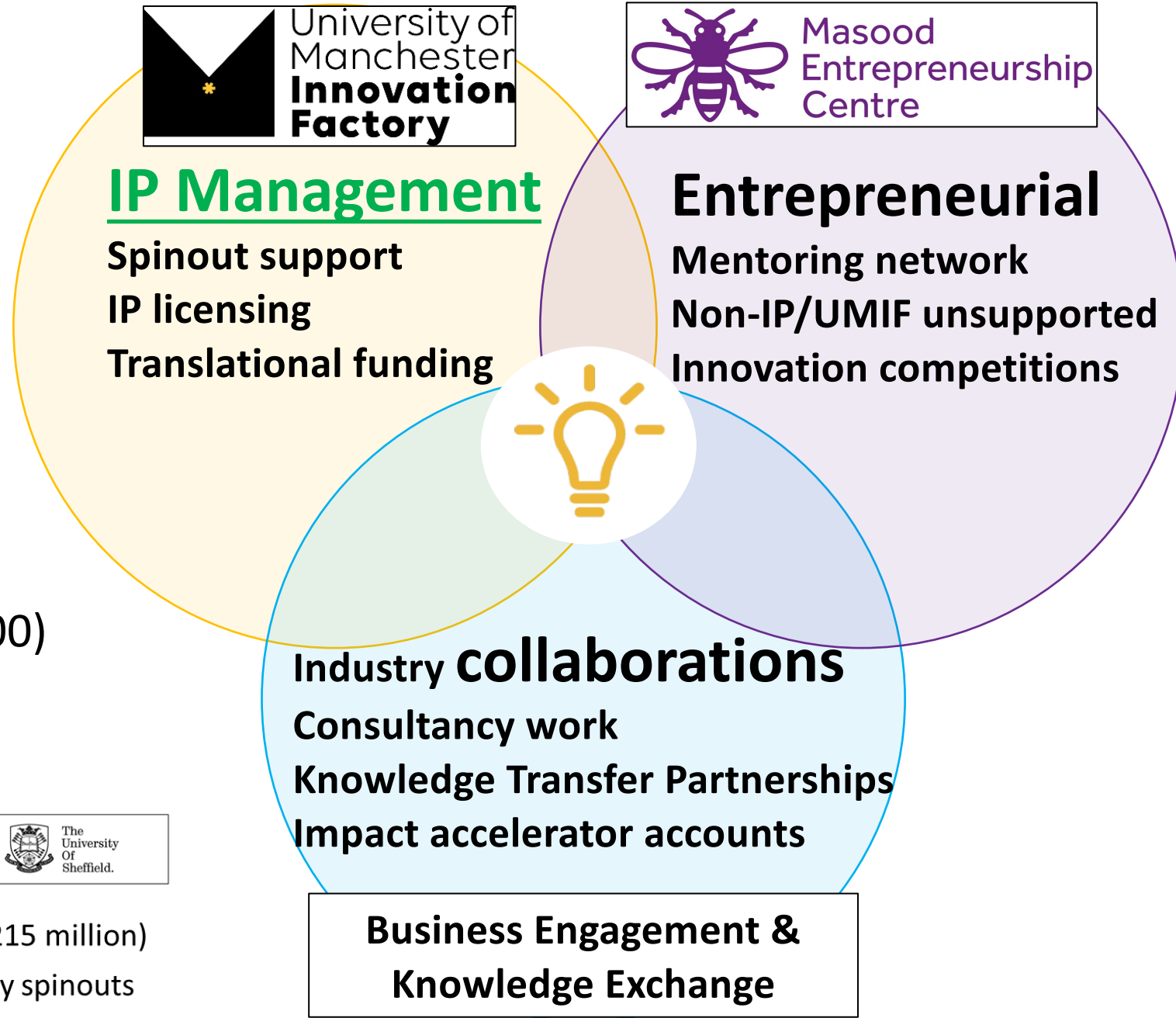
£8.2M total licensing income

## Funding examples

Consultancy funding (up to £15,000)  
Ideas with Impact grant (up to £50,000)  
POP (up to £100,000)



New VC investment fund (£215 million)  
Focus on Northern University spinouts



# Intellectual Property

## Creator/inventor



Anyone who makes an **“inventive or original contribution”**

Not necessarily person who carries out work

Probably not identical to authors of a paper

**Must get it right** according to patent law



# Intellectual Property Who owns it?

## The University of Manchester

Any invention made during employment is normally property of the employer

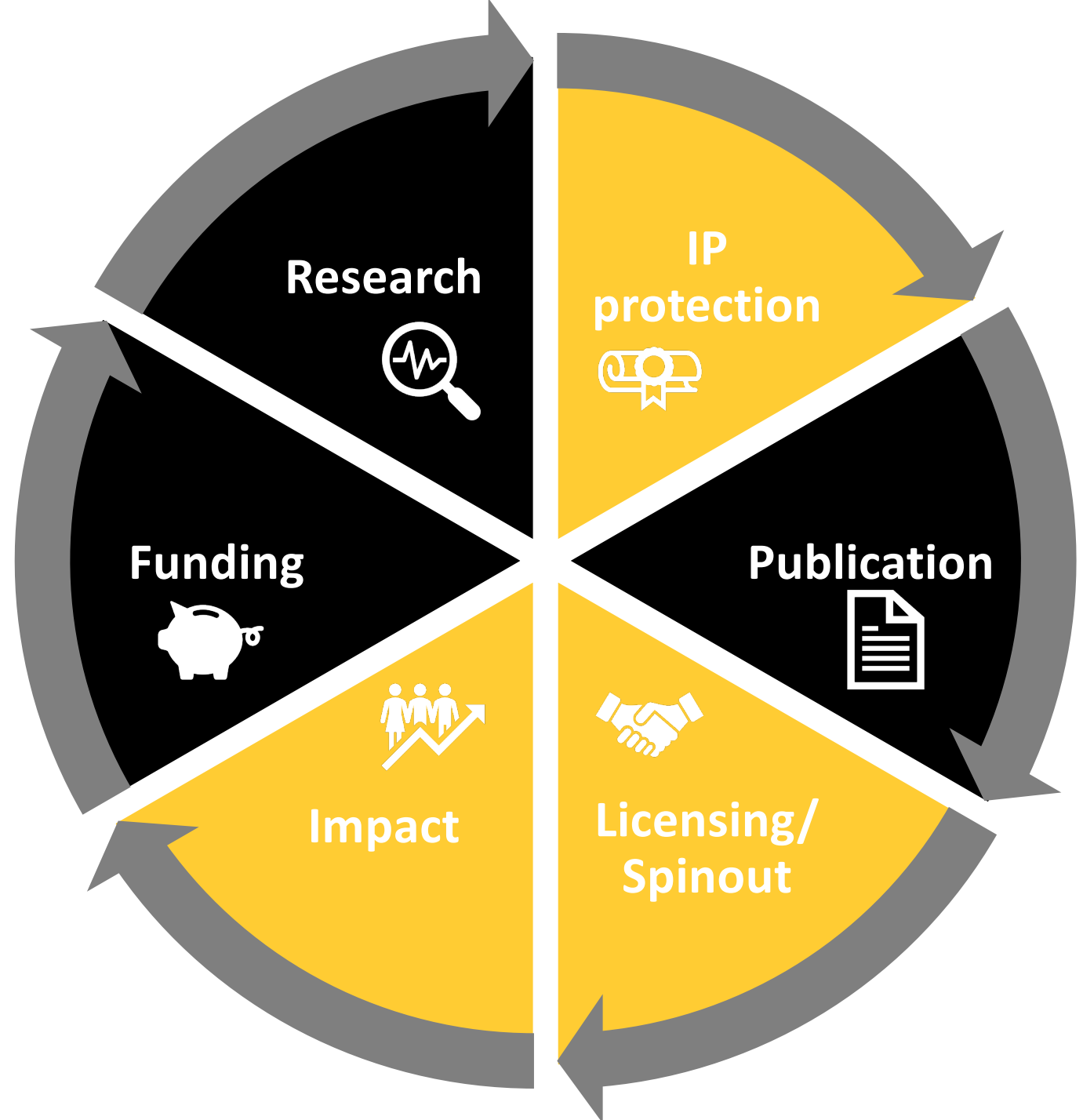
Student inventors – see the University IP policy

Research Funders or Sponsors (e.g. charities, companies) may have rights

Important to determine ownership promptly

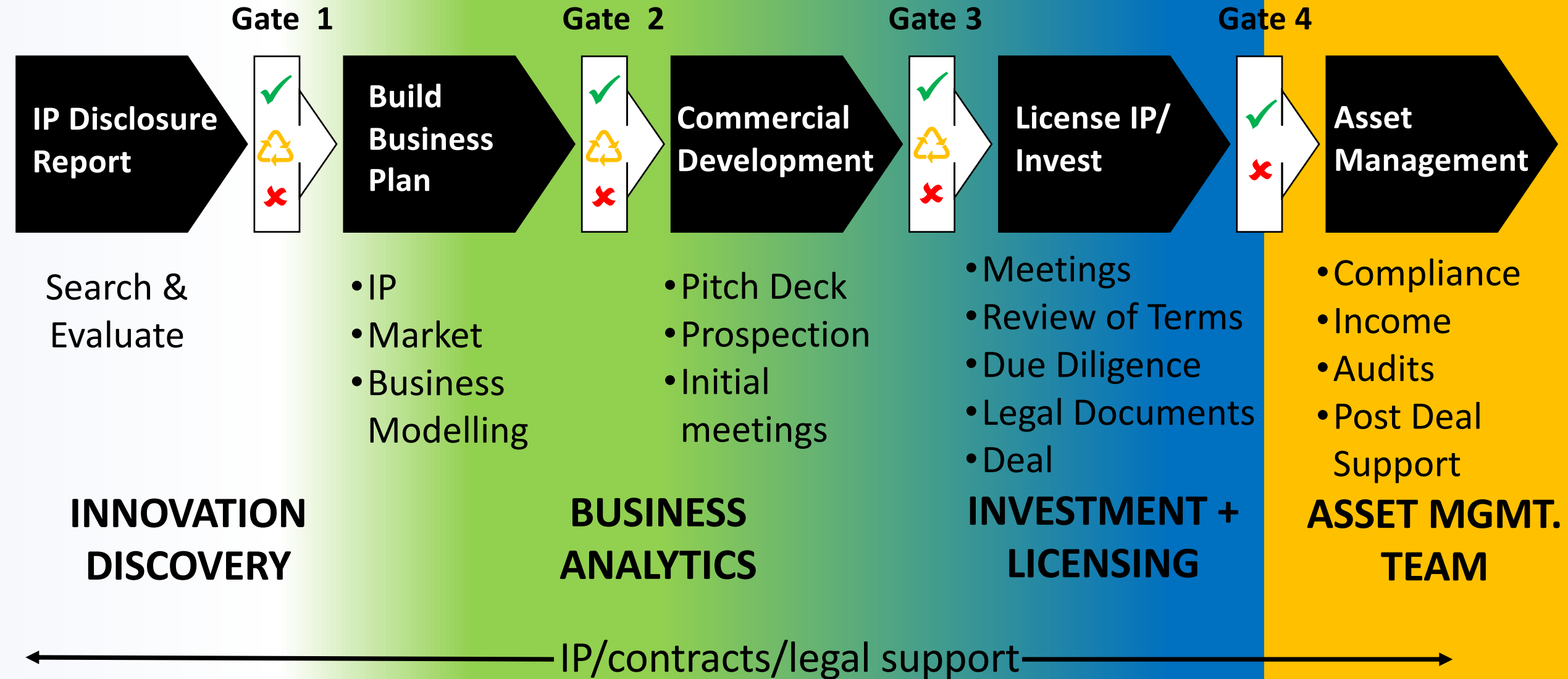


# Why IP protection is a booster not a blocker



# Commercialisation Process

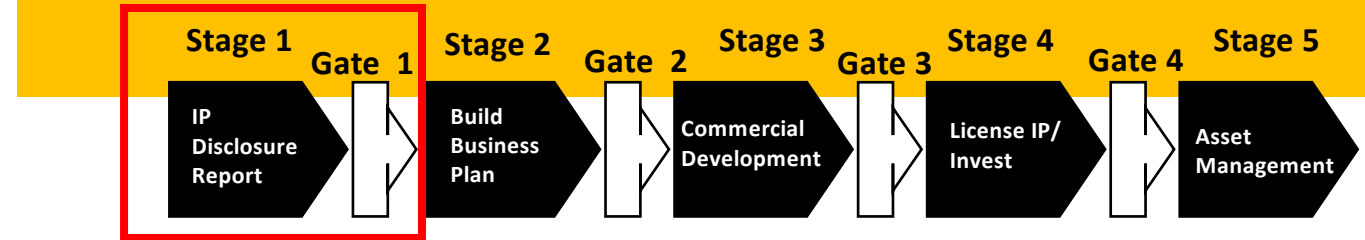
NB: We can't do anything without you



# Stage 1: Search and Evaluate

## Actions

- **IP ownership**
  - Type of IP
  - How was it funded?
  - Other partners involved?
  - How is the IP split?
- **Prior art (Patent)**
  - Novel?
  - Inventive step?
- **Initial market research**
  - Desk-based (databases)
  - Market validation



## Reasons for non-progression:



- Don't own the IP / is no IP
- Problematic IP-share
- (Patent) Not Novel
  - Presented at conference/published in journal = novelty destroyed
- (Patent) Not inventive
- No market [NB: patent costs/resource time]
  - It is a solution looking for a problem
  - Before it's time
- Academic/team not engaged
- Technology is too early-stage/more data needed

Can signpost elsewhere

## Our offer

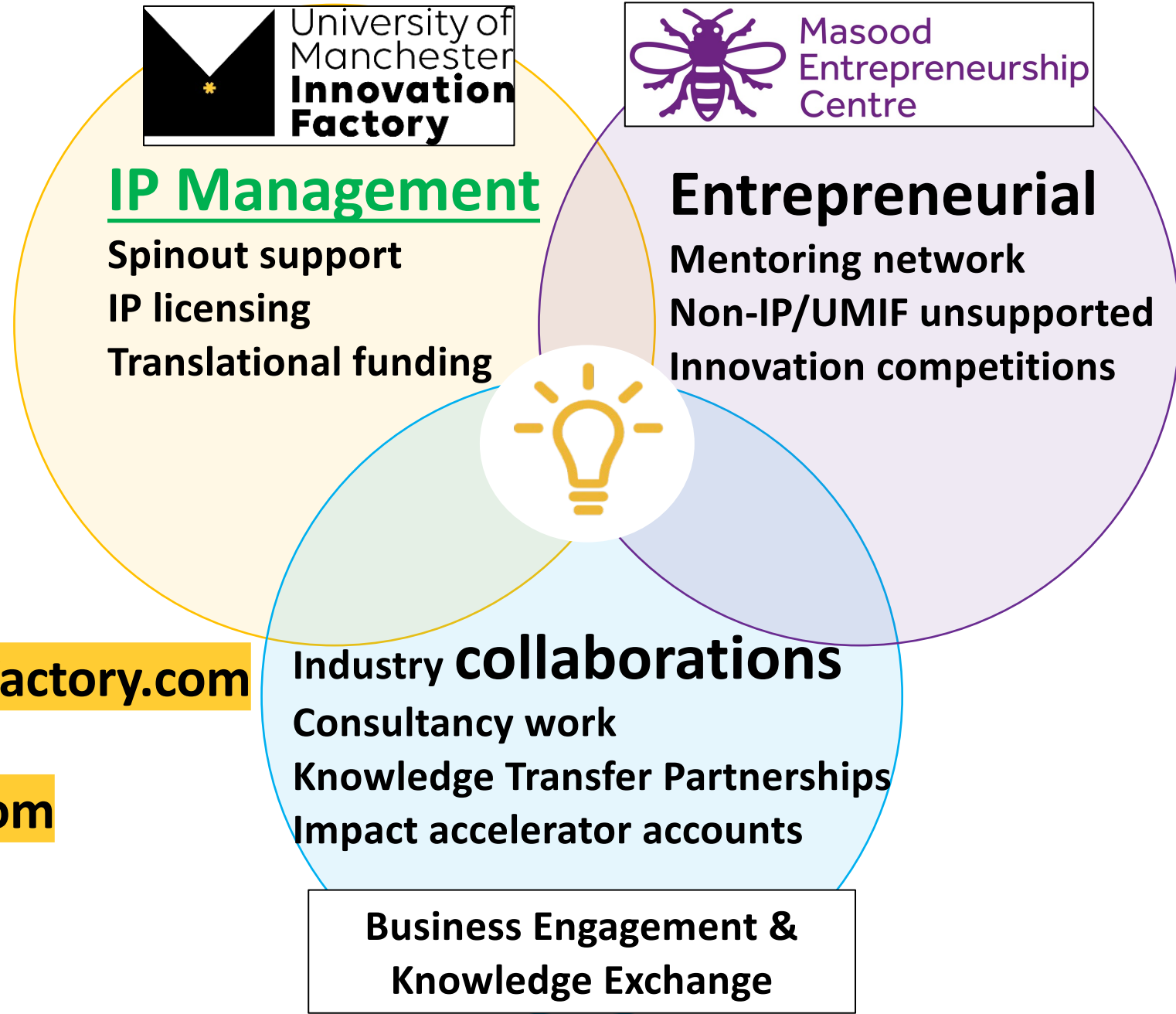
- A dedicated project manager to work with you
- Network of investors & industry contacts
- Internal funding - £5,000 - £100,000 (T&Cs)
- Support for accelerator packages (iCURE)
- Signpost to entrepreneurship training & other support

## Contacting us

Innovation Factory are considered “Internal”. All conversations are confidential. Draft an Invention Disclosure Form or just contact us to talk to us about:

- Your research work & plans
- Ideas for impact & what you want to happen
- IP strategy
- ✳️ Letters of support for grants and IP content for grant applications

# Contact



[Joanna.Denbigh@uominnovationfactory.com](mailto:Joanna.Denbigh@uominnovationfactory.com)

[contact@uominnovationfactory.com](mailto:contact@uominnovationfactory.com)



End

