

# Translational Support & Opportunities for UCL researchers

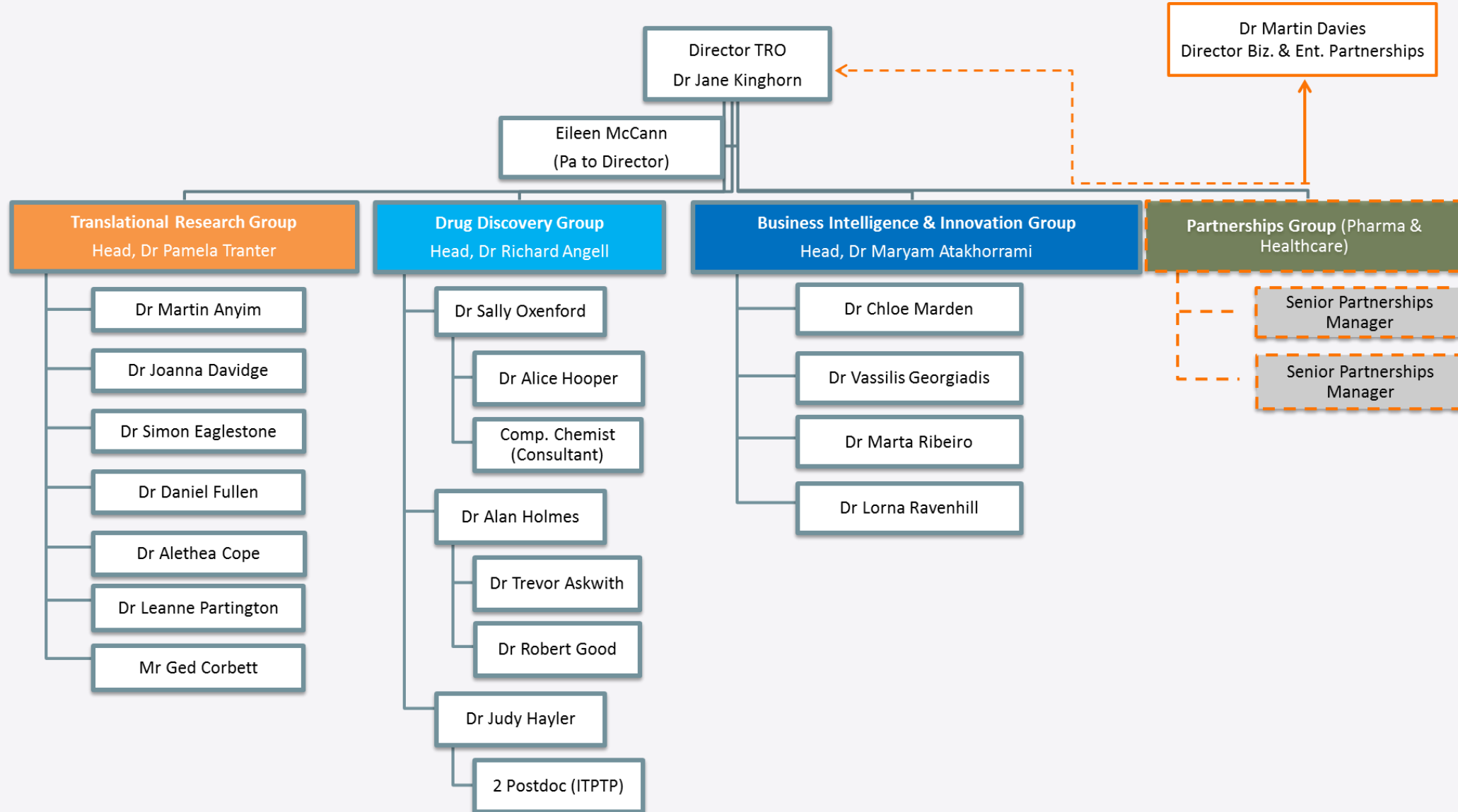
Institute for Women's Health Department Meeting

15<sup>th</sup> Feb 2018

Lorna Ravenhill  
Translational Research Office (TRO)  
Senior Business & Innovation Manager



# Translational Research Office (TRO)



## Translational Research Office (TRO)



Translational  
Research

- Establishing & sustaining a portfolio of funded translational projects



Drug Discovery

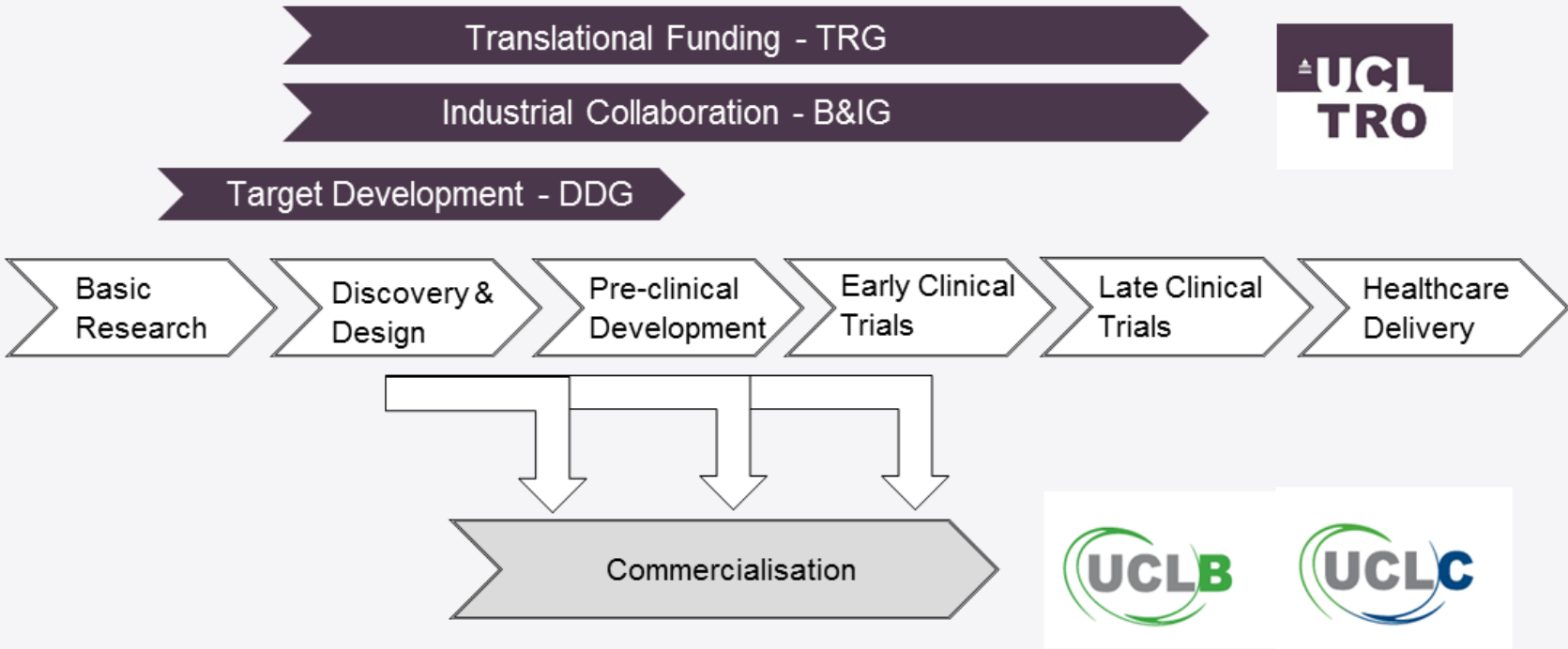
- Medicinal chemistry and drug discovery support to novel UCL targets



Business &  
Innovation

- Establish insights into UCL's translational strengths, matching to external market opportunities for strategic academic-led collaboration & innovation

# AIM: Enable growth of biomedical research translation towards patient benefit



- Over £50 million in grant funding for translational research
- Over £7 million from industrial collaborations
- Over 50 interactions with Big Pharma and SMEs
- More than 5 major strategic alliances
- The TRO has a Therapeutic Acceleration Support (TAS) fund which can help UCL transition discovery science to early stages of therapeutic development

## Hands on support for small molecule drug discovery

- Target tractability assessment
- Development of project and medicinal chemistry strategies
  - Screening strategies, Hit discovery and validation, Hit to Lead & Lead Optimisation
- Compound design and synthesis, development of screening assays
- Coordination of external studies
  - DMPK, toxicology, pre-clinical development
- Extensive drug discovery networks (pharma, biotech, academic)
- Advice on drug discovery grant applications

email: [r.angell@ucl.ac.uk](mailto:r.angell@ucl.ac.uk), phone no: 0207 753 5973

address: UCL School of Pharmacy, 29-39 Brunswick Square, London

<https://www.ucl.ac.uk/translational-research/drug-discovery-group>

	<b>Richard Angell</b> Head of the Drug Discovery Group <a href="mailto:r.angell@ucl.ac.uk">r.angell@ucl.ac.uk</a>	GSK, Arrow Therapeutics, AstraZeneca, co-founder ReViral
	<b>Sally Oxenford</b> Senior Medicinal Chemist <a href="mailto:s.oxenford@ucl.ac.uk">s.oxenford@ucl.ac.uk</a>	Piramed, Cellzome.
	<b>Alice Hooper</b> Medicinal Chemist <a href="mailto:alice.hooper@ucl.ac.uk">alice.hooper@ucl.ac.uk</a>	Institute of Cancer Research, Sutton
	<b>Trevor Askwith</b> Senior Biologist <a href="mailto:t.askwith@cl.ac.uk">t.askwith@cl.ac.uk</a>	Novartis, University of Sussex Drug Discovery Centre

## Strategic support to SLMS Faculties through collaboration with stakeholders.

### 1. Intelligence gathering and due-diligence

### 2. Innovation Strategies

1. Strategic support to Faculties and Divisions
2. Community building (Therapeutic Innovation Network in Cell and Gene Therapy, Small Molecules, Biologics, Devices and Diagnostics)
3. Public-Industry dual funding calls (Collaborate to Innovate and MRC-Proximity to Discovery fund)
4. Education/enhancing translational culture

### 3. Academic-led new business development (e.g. Discoveries CTR Portugal-UK consortium)

### 4. Establishing and managing strategic industrial partnerships'

	<p><b>Dr Maryam Atakhorrami</b> Head of the Business &amp; Innovation Group <a href="mailto:m.atakhorrmi@ucl.ac.uk">m.atakhorrmi@ucl.ac.uk</a></p>	<p>Phillips Innovation, VU Amsterdam, Harvard, Upenn.</p>
	<p><b>Dr Marta Ribeiro</b> Business &amp; Innovation Manager <a href="mailto:m.ribeiro@ucl.ac.uk">m.ribeiro@ucl.ac.uk</a></p>	<p>IESE Business School, Hospital Clinic Barcelona.</p>
	<p><b>Dr Lorna Ravenhill</b> Business &amp; Innovation Manager <a href="mailto:l.ravenhill@ucl.ac.uk">l.ravenhill@ucl.ac.uk</a></p>	<p>Royal Holloway, Antitope, Sanger Institute.</p>
	<p><b>Dr Chloe Marden</b> Business &amp; Innovation Manager <a href="mailto:c.marden@ucl.ac.uk">c.marden@ucl.ac.uk</a></p>	<p>Royal Free Hospital (UCL), UCSF.</p>

email: [m.atakhorrmi@ucl.ac.uk](mailto:m.atakhorrmi@ucl.ac.uk) , phone no: (0)20 7679 6465

Address: Maple House, 1st Floor 1A | 149 Tottenham Court Road









## Support for translation across all therapeutic areas & modalities, from target development to clinical trials.

- Identifying opportunities for translation
- Scoping out project progression paths to impact
- Assisting PIs in securing funding and maximising outputs
- Providing overarching project support
  - Advising on project planning and milestones
  - Identifying and contracting with service providers

E-mail: [p.tranter@ucl.ac.uk](mailto:p.tranter@ucl.ac.uk) Phone: 020 7679 6775

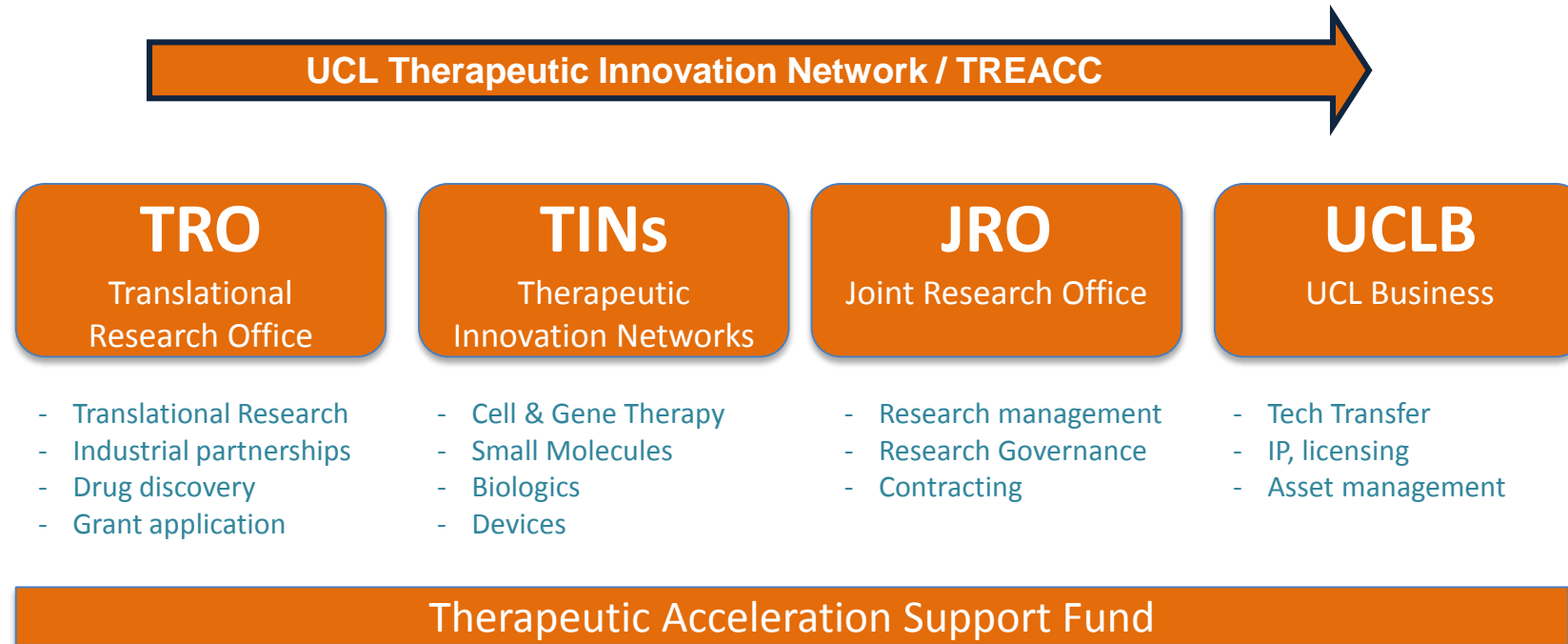
Address: Maple House 1A, First Floor, 149 Tottenham Court Road, London, W1T 7JA

Website: [www.ucl.ac.uk/translational-research/about-trg](http://www.ucl.ac.uk/translational-research/about-trg)

Head of the TRG		
	<b>Pamela Tranter</b> <a href="mailto:p.tranter@ucl.ac.uk">p.tranter@ucl.ac.uk</a>	Novartis, Ciba-Geigy, Royal Free NHS Trust
Translational Research Managers		
	<b>Alethea Cope</b> <a href="mailto:a.cope@ucl.ac.uk">a.cope@ucl.ac.uk</a>	Imperial College, St George's, Porton Down, Wolfson UCL
	<b>Dan Fullen</b> <a href="mailto:d.fullen@ucl.ac.uk">d.fullen@ucl.ac.uk</a>	hVIVO, Covance, NIBSC, Unilever
	<b>Ged Corbett</b> <a href="mailto:g.corbett@ucl.ac.uk">g.corbett@ucl.ac.uk</a>	MRC-LMB, Paradigm Therapeutics, Takeda
	<b>Joanna Davidge</b> <a href="mailto:joanna.davidge@ucl.ac.uk">joanna.davidge@ucl.ac.uk</a>	Pfizer, MRC, Royal Free NHS Foundation Trust
	<b>Leanne Partington</b> <a href="mailto:l.partington@ucl.ac.uk">l.partington@ucl.ac.uk</a>	Dstl, GSK, Novartis, CGT Catapult
	<b>Martin Anyim</b> <a href="mailto:m.anyim@ucl.ac.uk">m.anyim@ucl.ac.uk</a>	NIHR, Barts & The London NHS Trust
	<b>Simon Eaglestone</b> <a href="mailto:s.eaglestone@ucl.ac.uk">s.eaglestone@ucl.ac.uk</a>	Pfizer, QMUL, Barts Health NHS Trust

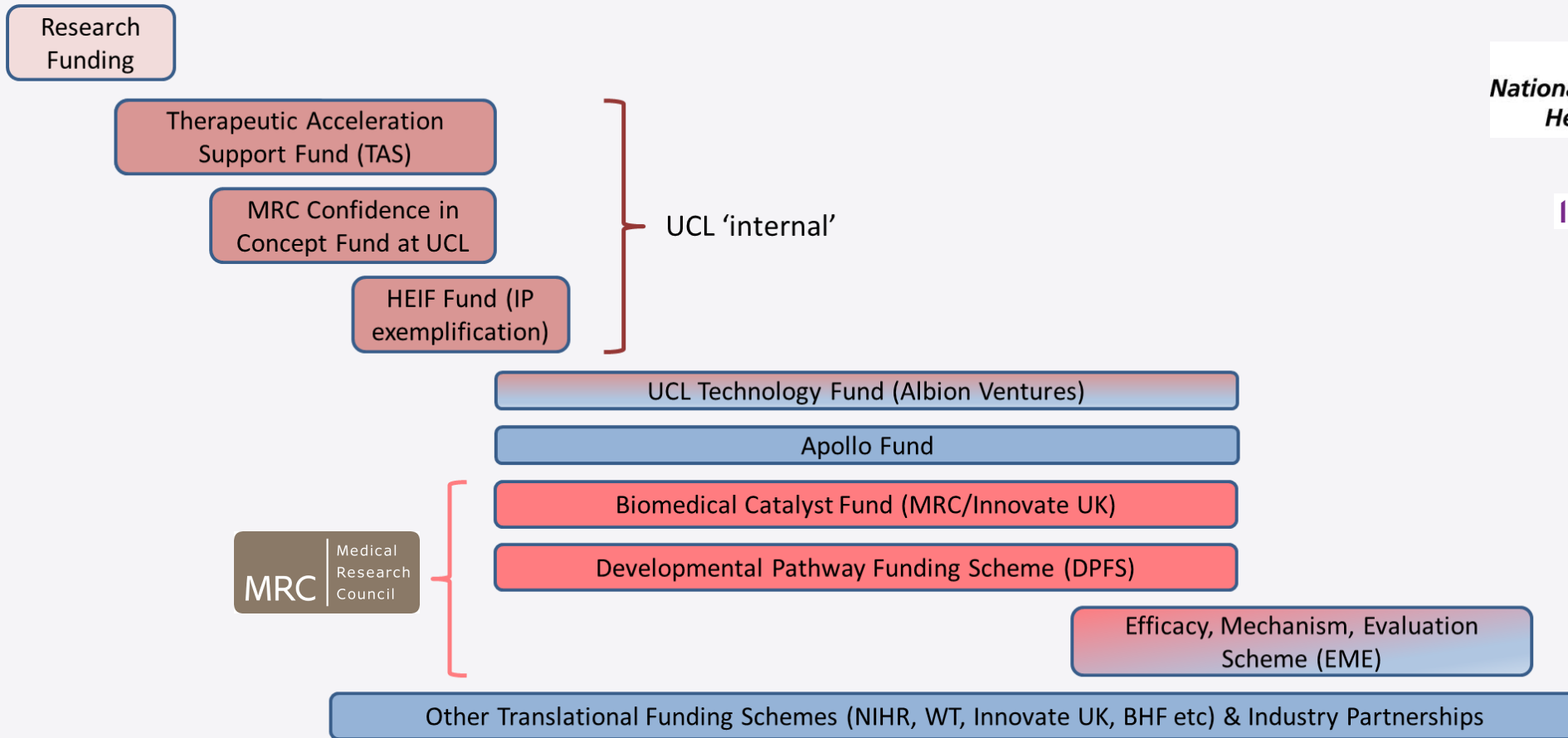


## University College London Hospitals / UCL BRC





# Accessing Translational Research Funding



Innovate UK





<https://www.ucl.ac.uk/translational-research/funding-ops/internal-funding>

Therapeutic Acceleration  
Support Fund (TAS)

MRC Confidence in  
Concept Fund at UCL

## TIF (2010-2016)

- Internally managed funding from WT and the BRCs

## CiC (2013-2016)

- MRC funding for flexible early translational research
- Leveraged an additional £15M follow-on funding
- 3 projects have been licensed into two UCL spin outs
  - Autulus Tx (£70m raised in Series A and series B)
  - Orchard Tx (£21m raised in Series A)

## TAS (2017- )

- Internally managed funding from MRC, WT and the BRCs
- 2 calls per year; 12 month projects, <£75k each
- Call 1 (Mar'17) - 12 of 21 proposals awarded (£722K total)
- Call 2 (Sep'17) - 7 of 24 proposals awarded (£500K total)  
NB. 4 of 7 awarded were resubmitted/follow-ons
- Call 3 (Opens 19<sup>th</sup> March 2018)

## Proximity to Discovery Secondments

- MRC-funding promoting KE to companies, social enterprises, charities and other non-academic organisations
- £30-55k each, 3-6 months
- 18 awarded through SLMS since 2016 (£350K total)
- Call now open

## Confidence in Concept (call 3 2015)



Dr Simon Waddington

**Project** – Enhanced gene therapy of haematological disorders with the next-generation LTR1 lentiviral vector.

**TRO support** – Joanna Davidge

## Confidence in Concept (call 4 2016)



Prof Anna David

**Project** – Demonstrating Functional Haematopoiesis of Human Gene Corrected Amniotic Fluid Derived Stem Cells For Therapeutic Purposes.

**TRO support** – Joanna Davidge

### TINs

Therapeutic  
Innovation Networks

- Cell & Gene Therapy
- Small Molecules
- Biologics
- Devices

## Translational Research Management



Dr Joanne Ng & Simon Waddington

**Project –**

Gene Therapy for DAT deficiency

**Award –**

MRC DPFS (2018)

**TRO support –**

Joanna Davidge

## Business & Innovation Support



Prof Usha Menon

**Project –**

UKCTOCS business case and

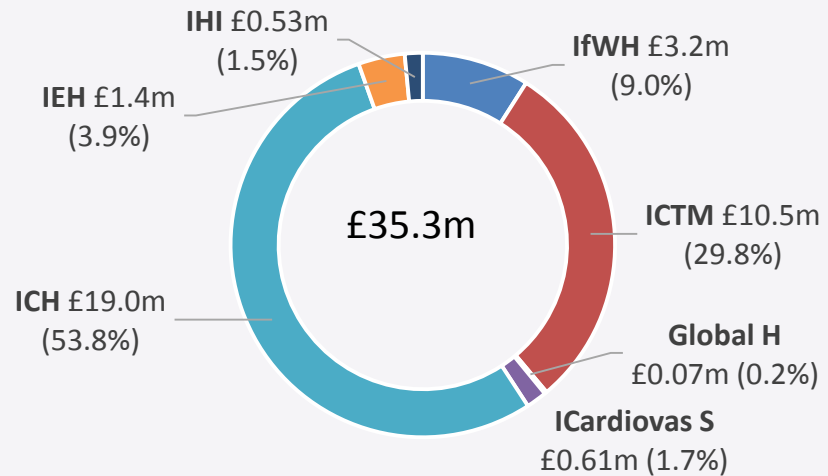
LPS Wellcome Trust Longitudinal Population Study Grant application

**TRO support –**

Maryam Atakhorrani and Althea Cope

## Industrial Research Collaborations

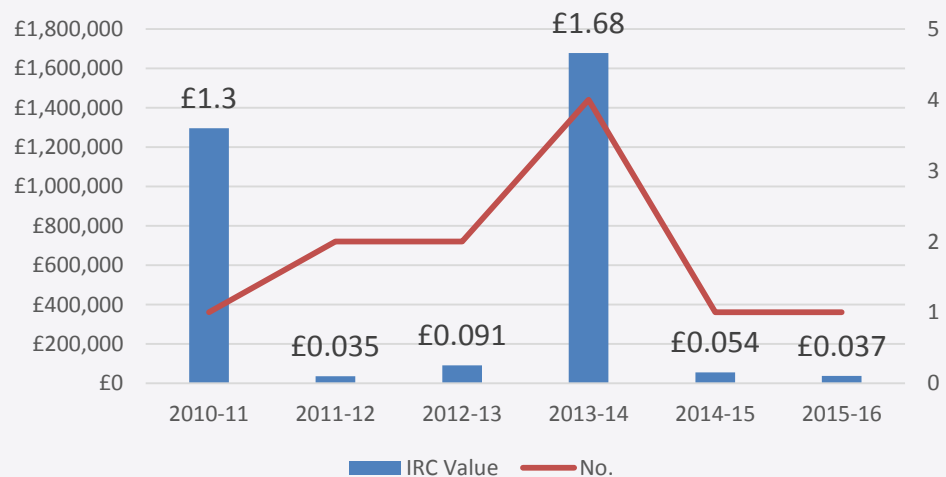
FPHS Industrial Research Income per Division 2010-16



## IfWH Industrial Collaborations 2010 – 2016

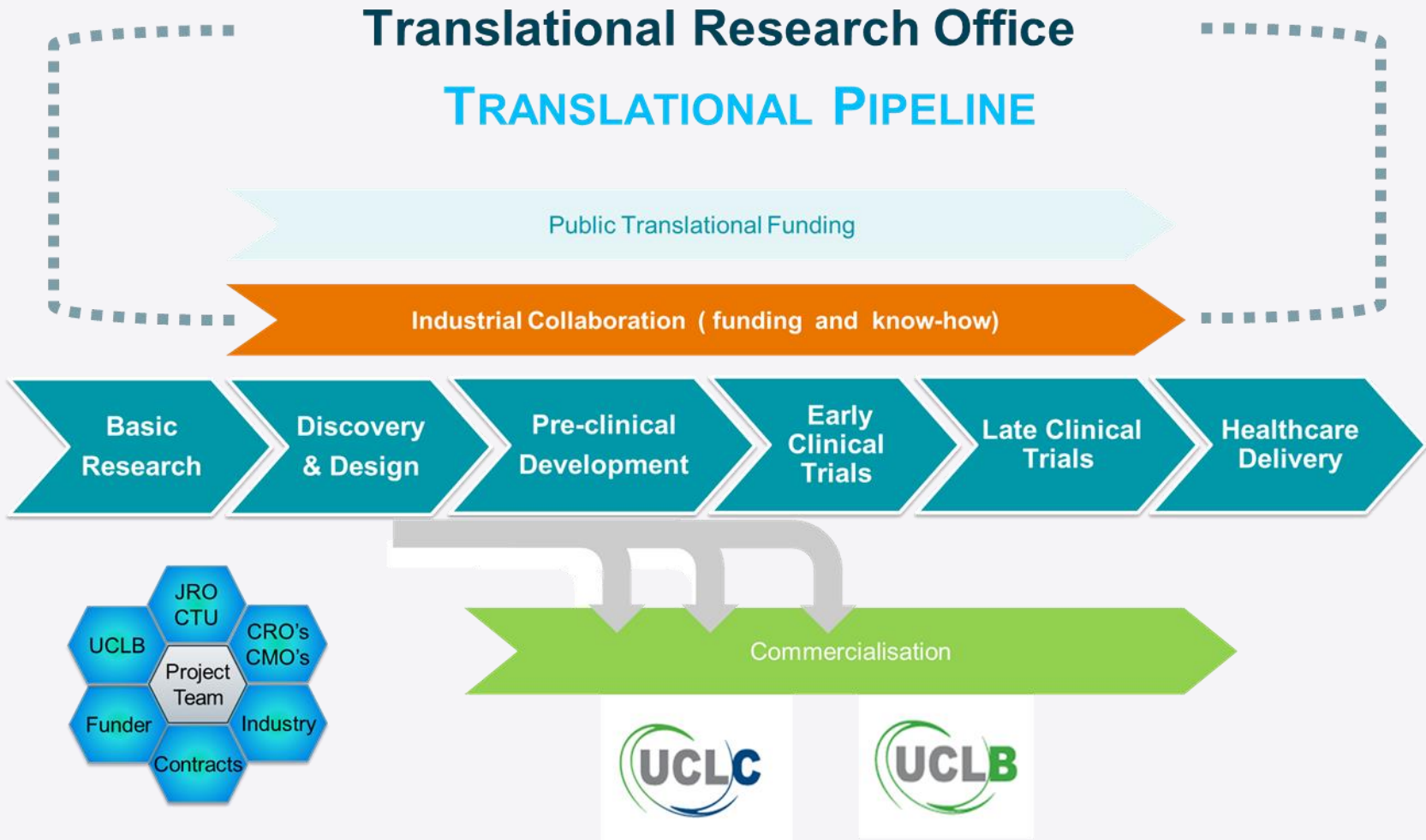


Institute for Women's Health



- IfWH had the **3rd largest industry income** for research collaborations across Faculty
- 7** Research Projects and **2** Studentships
- 2 projects had clinical trial involvement** including biobank UKCTOCS Biobank and neonatal encephalopathy
- Top industrial funders are **Abcodia UK** and **Chiesi S.p.a**

# TRO: Support & opportunities for biomedical research translation towards patient benefit



Thank You



@UCLTRO <https://twitter.com/ucltro>



[www.ucl.ac.uk/translational-research](http://www.ucl.ac.uk/translational-research)