

William Harvey Research Institute – Open Meeting April 27th

Education Lead
Patricia McGettigan
PG Lead
Paul Chapple

Co-Directors
Mark Caulfield & Mauro Perretti

Deputy Director - **Amrita Ahluwalia**

Institute manager
Denise Elliott



1. WHRI 30th Anniversary Conference

2. Major Strategic Applications

3. REF2020?

4. Internal Issues

Space

BSU

Optimization of Resources

5. Education

6. Public Engagement

Q&A

1. WHRI 30th Anniversary Conference



William Harvey Research Institute 30th Anniversary Conference

1986 - 2016

Celebrating **30** years of Inflammation, Cardiovascular and Endocrine Research

June 22nd/23rd



Barts and The London
School of Medicine and Dentistry

Day 1 - John Vane Symposium

CN Serhan

D Salvemini

JE Mitchell

RJ Flower

T Tansey

B Samuelsson (John Vane Lecture)

Day 2 –

R Lefkowitz (Outstanding Contribution to Science Lecture)

D Wagner (Willoughby Lecture for Excellence in Inflammation Sciences)

F Marelli-Berg

A Hobbs

M Lewis

C Thiernerman

...

1. WHRI 30th Anniversary Conference

1. Your name
2. Title of poster
3. WHRI Centre
4. Scientific abstract (150 words max)
5. Lay summary (150 words max)

These should be sent to Jonny Matfin <j.matfin@qmul.ac.uk> by Friday the 20th of May.

Posters will be presented in the marquee that will be on Charterhouse lawn. This will give us space for a larger than usual number of posters, such that we envisage that the vast majority of PhD students and Postdocs will be able to present. Thus the organising committee and WHRI Board strongly encourage the submission of abstracts.

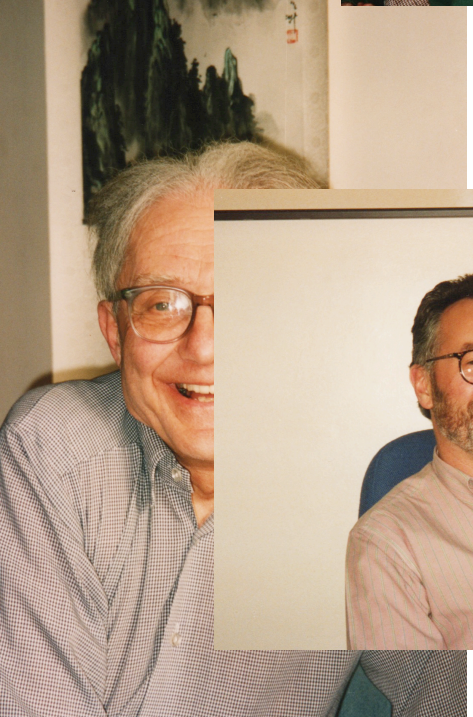
We are asking for lay summaries as a number of non-scientific guests will be attending the conference and we would like presenters to include these on their posters (further guidance for poster presentation will follow).

The posters will be judged with prizes (conference funding).

Best wishes

WHRI 30th Celebration Organising Committee



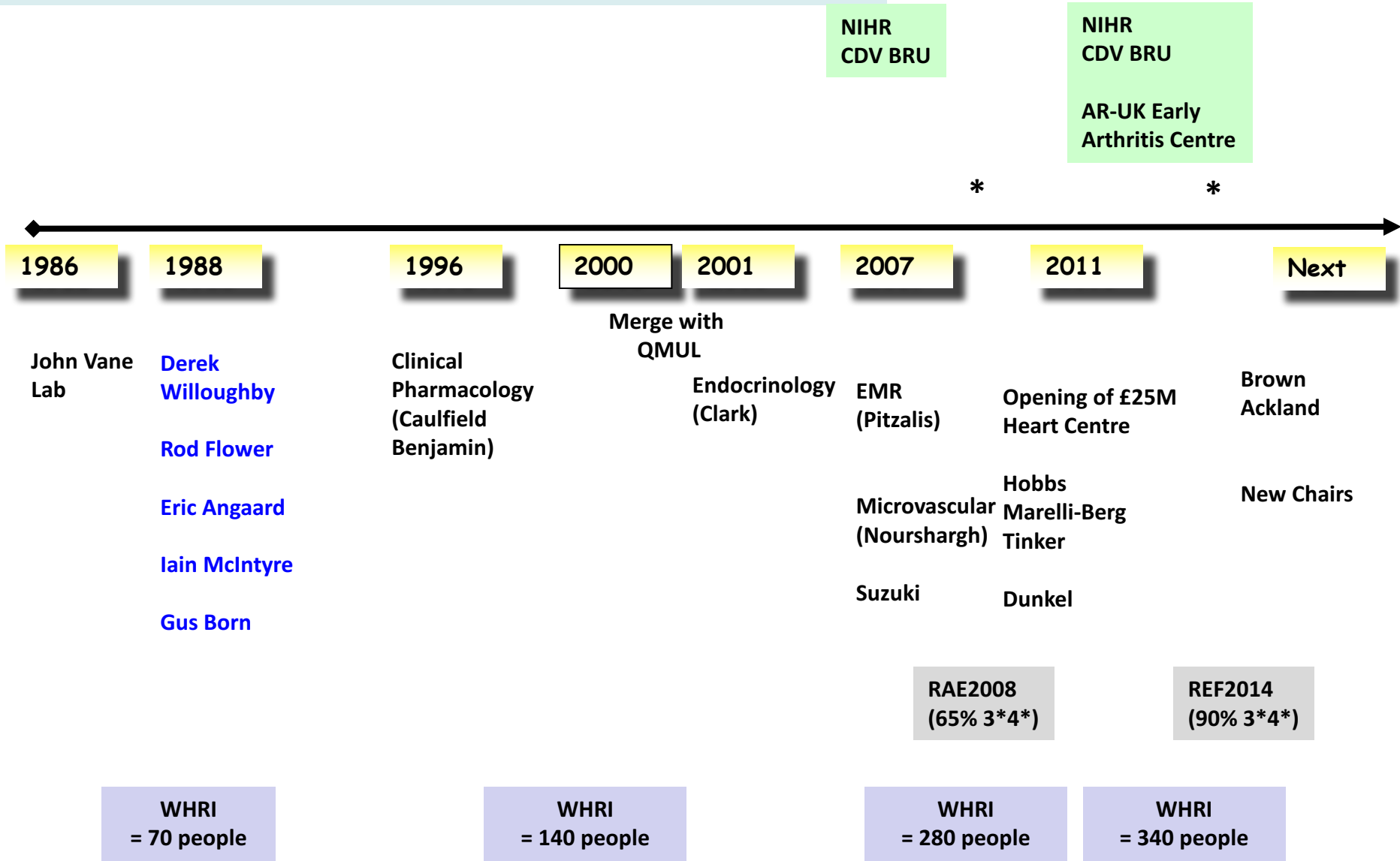




National Under-18s Bank
14/18
WATER BARTS CAMPAIGN
FRESH DRINKS + TEMPLATES
CITY
H. H. H.

H₂O

WHRI 30 year-old (and kicking)





WHRI Today

>410 staff/student members

70 Active Faculty

20.5 Administration/Managers

112 PGR students

160 FT PGT students

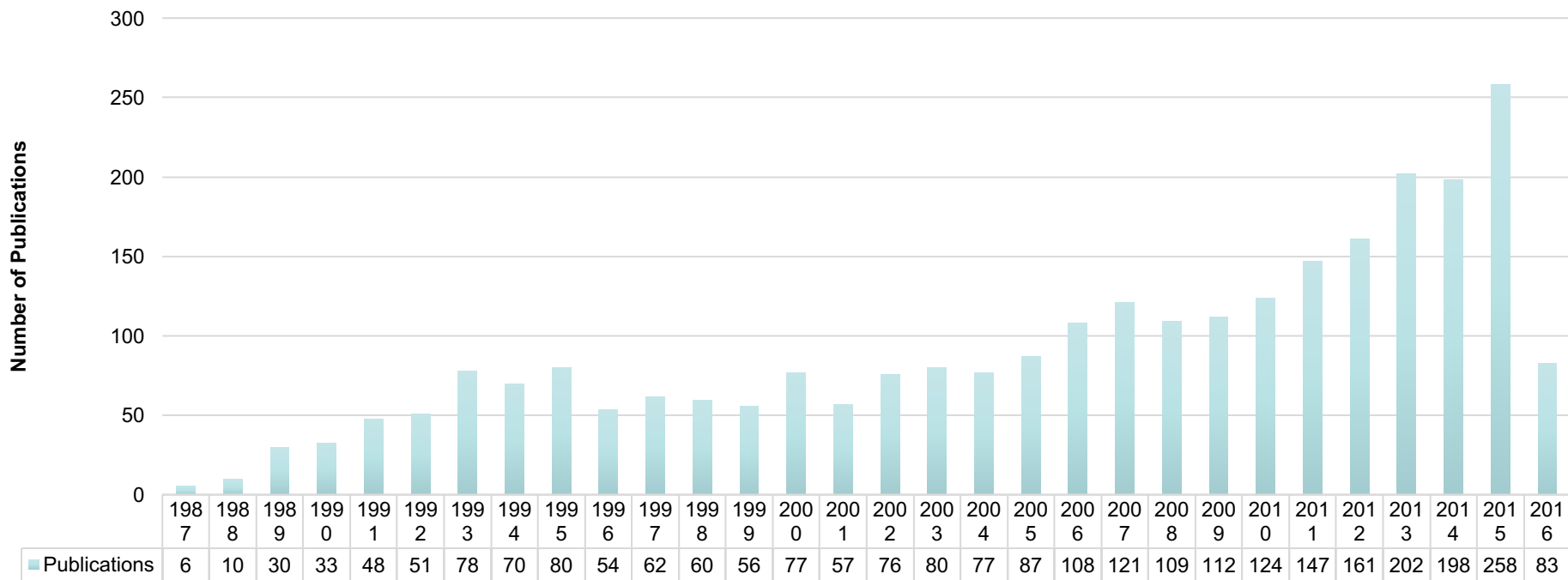
42 PT PGT students

Income 40% HEFC T – 60% HEFC R

Research Spend - £13.5M per year

Research Overhead – £0.7M (~5%)

WHRI Publications by Year



2. Major Strategic Applications

BHF DTP (March 31st)



BHF 4 year PhD Studentships

Application from
The William Harvey Research Institute
Queen Mary University of London
Charterhouse Square, London EC1M 6BQ

Proposed BHF 4-Year MRes/PhD Programme

The William Harvey Research Institute
Barts and The London School of Medicine and Dentistry
Queen Mary University of London



The William Harvey Research Institute and the new Barts Heart Centre
The Translational Research Environment for this proposed BHF PhD Studentship Scheme



 **Barts and The London**
School of Medicine and Dentistry

PROGRAMME COMMITTEE & CONTACT DETAILS

Federica Marelli-Berg, BHF CHAIR OF CARDIOVASCULAR IMMUNOLOGY
HEAD OF PROGRAMME

Amrita Ahluwalia, PROFESSOR OF VASCULAR PHARMACOLOGY
PROGRAMME MENTOR

Panos Deloukas, PROFESSOR OF CARDIOVASCULAR GENOMICS

Professor Morris Brown, PROFESSOR OF ENDOCRINE HYPERTENSION

Andrew Tinker, PROFESSOR OF CARDIAC ELECTROPHYSIOLOGY

Tim Warner, PROFESSOR OF VASCULAR INFLAMMATION & DEPUTY DEAN FOR RESEARCH
CO-ORDINATOR OF PROGRAMME

CO-ORDINATOR CONTACT:

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The William Harvey Research Institute
Barts and The London School of Medicine and Dentistry
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London EC1M 6BQ
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020-7882-8251 (fax)
t.d.warner@qmul.ac.uk

**Failed WT DTP applications (non-clinical and clinical;
part of SMD)**

**Awarded MRC DTP (with Southampton; part of SMD).
New MRes in Tumour Immunology run by BCI**

Marie Curie ITN Started (April 2nd 2016; 4 years €2.9M)

***European Vascular Interventions and Therapeutic
Innovation (EVOluTION)***

11 PhD studentships (4 registered at QMUL)

2. Major Strategic Applications

BRC (Feb 10th → June 6th)

5 themes £24.5M over 5 years

- 1. Inherited Cardiovascular Disorders**
- 2. Cardiovascular Therapeutics**
- 3. Cardiovascular Devices and Innovative Trials**
- 4. Musculoskeletal**
- 5. Digestive Disease and Oral Health**

Cross-Cutting Themes:

Stratified Healthcare

Health Informatics, Advanced Imaging and The Barts Biosource.



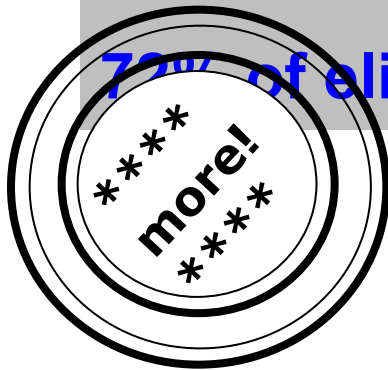
3. REF2020?

46.5 FTE

**90% of outputs judged 4* and 3*
(outstanding or international leading)**

2 Impact Case Studies

72% of eligible Staff (PI and TR) was returned



4. Internal Issues

William Harvey Research Institute 2015-2016

Co-Directors

Mark Caulfield & Mauro Perretti

Deputy Director - **Amrita Ahluwalia**

Institute Management

Denise Elliott Lead

Steven Coppen Deputy

Education

Patricia McGettigan Lead

Paul Chapple PGR

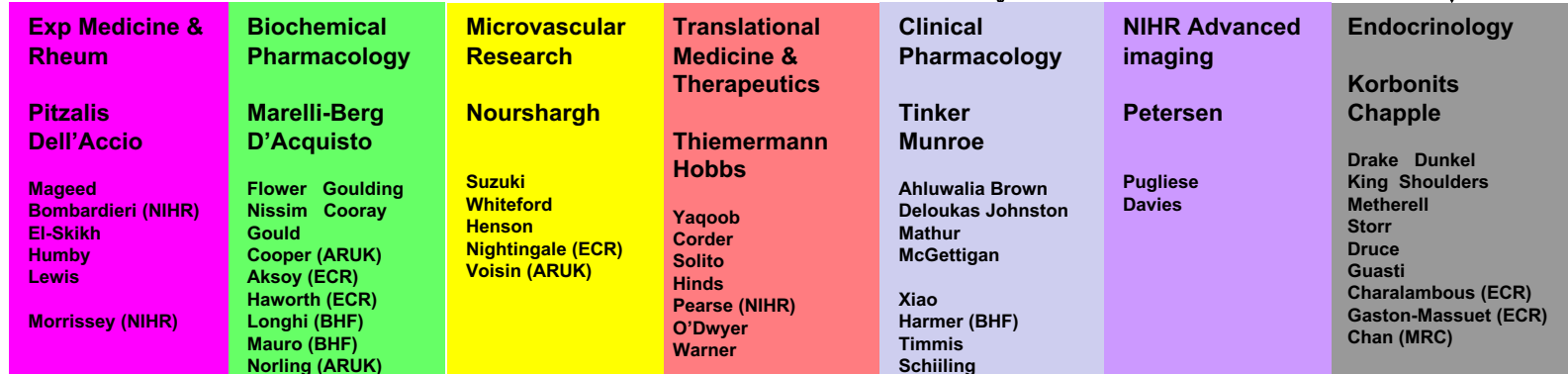
Nina Ravic Manager

Inflammation

Cardiovascular

Endocrine

NIHR CV BRU



Clinical Activities (Cardiovascular, Respiratory, Endocrine, Musculoskeletal, Renal, Anaesthetics and Critical Care)

Arthritis Research UK Experimental Arthritis Centre

WHRI Clinical Research Unit

Barts Cardiovascular CTU

Optimization of resources



Barts and The London
School of Medicine and Dentistry

Space Audit

Are we occupying our space?

Are we risking to lose our space?

BSU

Meeting on May 10th

Use external breeders

Cage price?

Issue of Retention

Administrative Support - Optimization

Administrators;PAs

Lab Managers

New Equipment

Confocal Microscope (Paul Chapple)

Two Photon Microscope (*in fieri*)

Centre News

Endocrinology

Marta Korbonits group had two papers in JCEM - including a paper that won a “Best of JCEM” award

Carles Gaston group had a PNAS paper

Leo Dunkel group had a EMBO J paper

Carol Shoulders awarded a BHF project grant

Pedro Marques awarded a Clinical PhD fellowship from Barts Charity

Eirini Meimaridou, Gerard Babot and Mashal Hussain awarded Young Investigator Prizes at the 17th Adrenal Cortex meeting

Sasha Howard won first prize for best oral presentation at Academy of Medical Sciences Spring meeting

[Donato Jacovazzo – RTF Diabetes UK](#)

TMT

Dr Jianmin Chen (Thiemermann / Ahluwalia) won the ASIP Trainee Travel Award of the Experimental Biology 2016 Congress – This was presented by Histochemical Society of America for her outstanding research in histochemistry and pathology. Paper accepted in the Journal of the American Society of Nephrology JASN (highest ranked renal journal, IF 9.5) that chronic kidney disease aggravated the organ failure associated with septic shock.

Dr Thomas Hoefler (Warner) won the 2016 Karl Link Early Career Investigator Award in Thrombosis from the American Heart Association journal 'Arteriosclerosis, Thrombosis, and Vascular Biology'. His paper, “Drug-free platelets can act as seeds for aggregate formation during antiplatelet therapy,” was selected as the most outstanding paper published during 2015 in the Thrombosis section of the Journal.

Dr Regina Sordi (Thiemermann) reported in the Annals of Surgery (highest ranked surgical journal – IF 9) that artesunate reduces the organ injury and dysfunction associated with severe hemorrhage and resuscitation in the Annals of Surgery (highest ranked surgical journal – IF 8.3)

Dr Gareth Ackland was awarded the **British Oxygen Company (BOC) Chair of Anaesthesia**; a 4-year resource to a promising academic (basic scientist or clinician-scientist) who is close to promotion to professorial status, in any area broadly related to anaesthesia, pain or critical care medicine.

Microvascular Research

□Key Funding:

- **Barts & The London Charity Project Grant (PI: James Whiteford; ~£250k)**
- **AR-UK Project Grant (PI: James Whiteford; ~£190k)**
- **AMS/Wellcome Trust SpringBoard Grant (PI: Sian Henson; ~£100k)**
- **BBSRC CASE 4Y PhD Studentship (PI: Sussan Nourshargh; ~£120k)**
- **EU COFUND grant (PI: Tom Nightingale; ~£75k)**

□Publications & Patents:

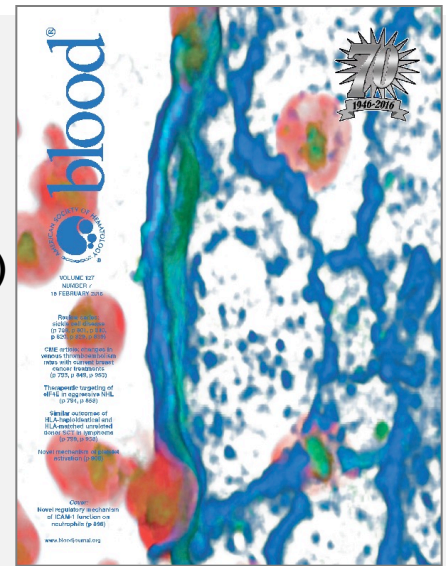
- **5 x high impact papers: *Blood* (with front cover), *J Clin Invest.*, *J Am. Heart Assoc.*, *Cell reports*, *Trends in Immunology*.**
- **Patent submission: Ken Suzuki “IL-4 for myocardial infarct treatment”.**

□New Recruits:

- **The Centre welcomed Prof Ken Suzuki and his group.**
- **3 new post-docs appointed**

□Prizes and Awards:

- **Sussan Nourshargh:** Awarded the 2016 Gabor Kaley Prize from the American Societies of Microcirculation & Physiology (Prize lecture delivered at the Exp Biol Meeting April 2016, San Diego, USA)
- **Giulia de Rossi:** Awarded PhD
- **Catherine Pickworth (PhD student) and Natalie Reglero (post-doc):** Recipients of travel awards from the American Society of Pathology and BPS
- **Amy Barker (post-doc):** Awarded a poster prize at the British Soc of Cell Biology spring meeting.



Centre News

Advanced Imaging

ESC training fellowship for **Dr Nijaradze** to train in CMR for 12 months (Petersen, €25k)

ESC scholarship to fund the Executive Msc in Health Economics, Outcomes and Management in Cardiovascular Sciences at London School of Economics (Petersen £20k)

Dr Filip Zemrak: Finalist Early Career Award at Society for Cardiovascular Magnetic Resonance (SCMR), Los Angeles, January 2016

NIHR 12 month Fellowship for Rare diseases: **Dr Gaby Captur**, Clinical Lecturer in Cardiology

No news from BioPharm, Clin Pharm, EMR : nothing to report in the last 3 months.

5. Education

Our Final Year MBBS students sat the national Prescribing Safety Assessment (PSA) on February 1st. The WHRI CPT group leads the PSA teaching. All 263 of our students who sat the PSA passed it on the first sitting. This is a very good achievement. The PSA is taken by all final year students nationally and the Foundation Deaneries require that newly graduated doctors have passed it in order to progress.

So a big thank you to everyone in WHRI involved in teaching the students as well as to all of the hospital and community based doctors, pharmacists and nurses who contribute.

Patricia McGettigan

5. Education

MBBS Exams (OSCEs) and PBL

- Frances Humby & Peter King lead WHRI organization supported by Andy Vaughan
- WHRI annual commitment by Centre – clinical staff most-needed
- Centre leads to require input of clinical staff
- This includes our honorary academics
- Don't forget Clinical Fellows & others needing to gain the experience

MBBS Year 4 SSC projects/ essays

- Finalise list this week – send to Andy Vaughan
- Thank you for all the contributions

6. Public Engagement



Hi Mauro

Thanks for offering to bring this up on Wednesday.

Institute	Media mentions	No. of news opportunities given to QMUL press office
Wolfson	512	4
Blizard	474	9
Dentistry	69	1
Barts Cancer Institute	50	4
William Harvey	25	2

As you can see, we didn't pick up much media coverage for WHRI this last quarter, but I guess the most important thing from the table is that only two WHRI researchers came to us with stories to promote.

Really keen to help advise anyone on how I can help them promote their work. The main take home message is that people should get in touch with me as soon as they have a paper *accepted*, regardless of whether they think it's newsworthy or not, as I'll be happy to discuss options with them.

Thanks

Joel

Joel Winston
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Parliamentarians pay visit to QMUL researchers

Chris Green MP, Stephen Timms MP and Baroness Neville-Jones were welcomed by researchers at Queen Mary University of London (QMUL) on a visit organised by the British Heart Foundation (BHF).

Pint of Science – Giulia de Rossi

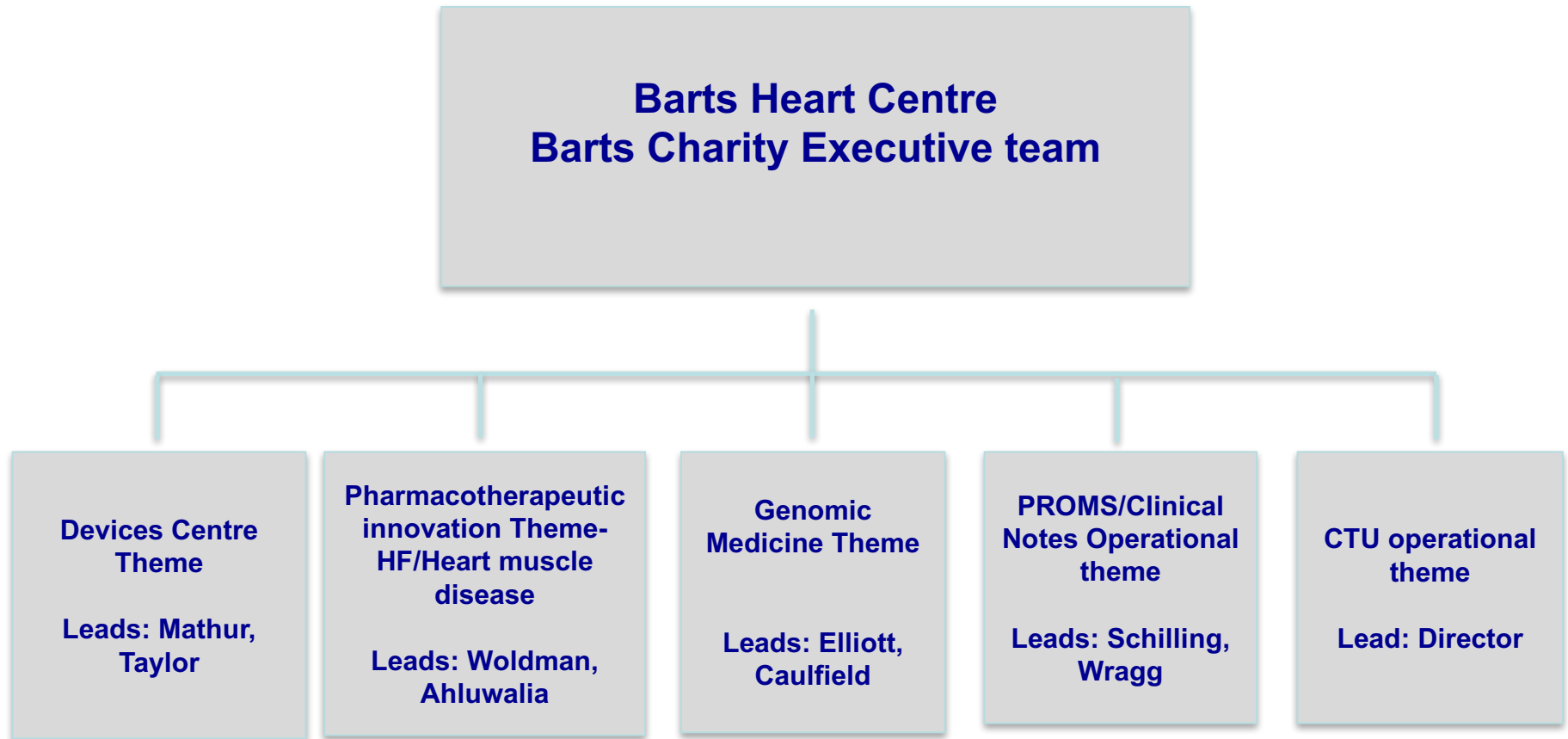
QMUL Festival of Communities

Barts Science Festival

Questions & Answers

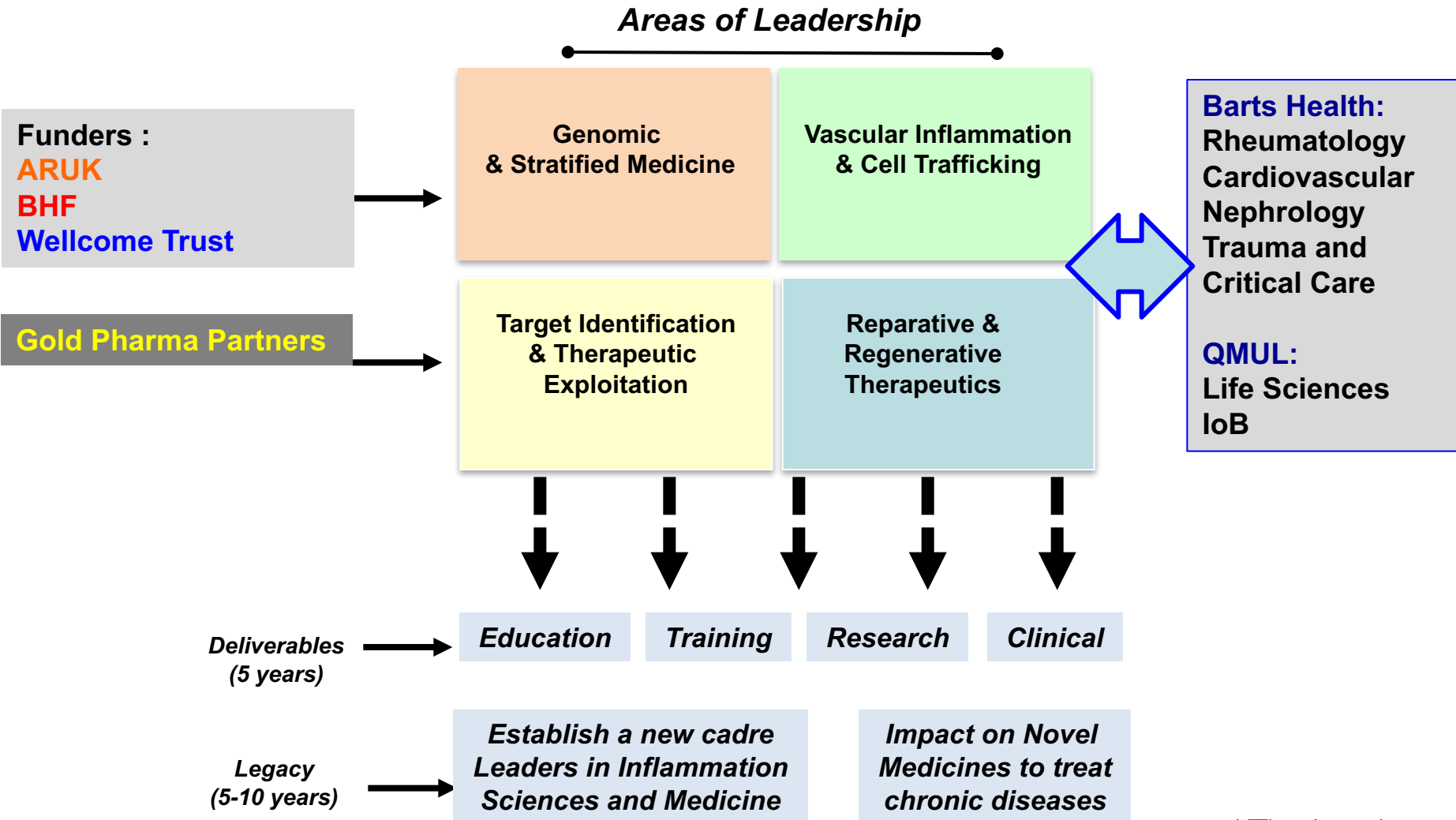
Next Open Meeting – Sept 6th

30th Anniversary Conference June 22nd/23rd



Funded

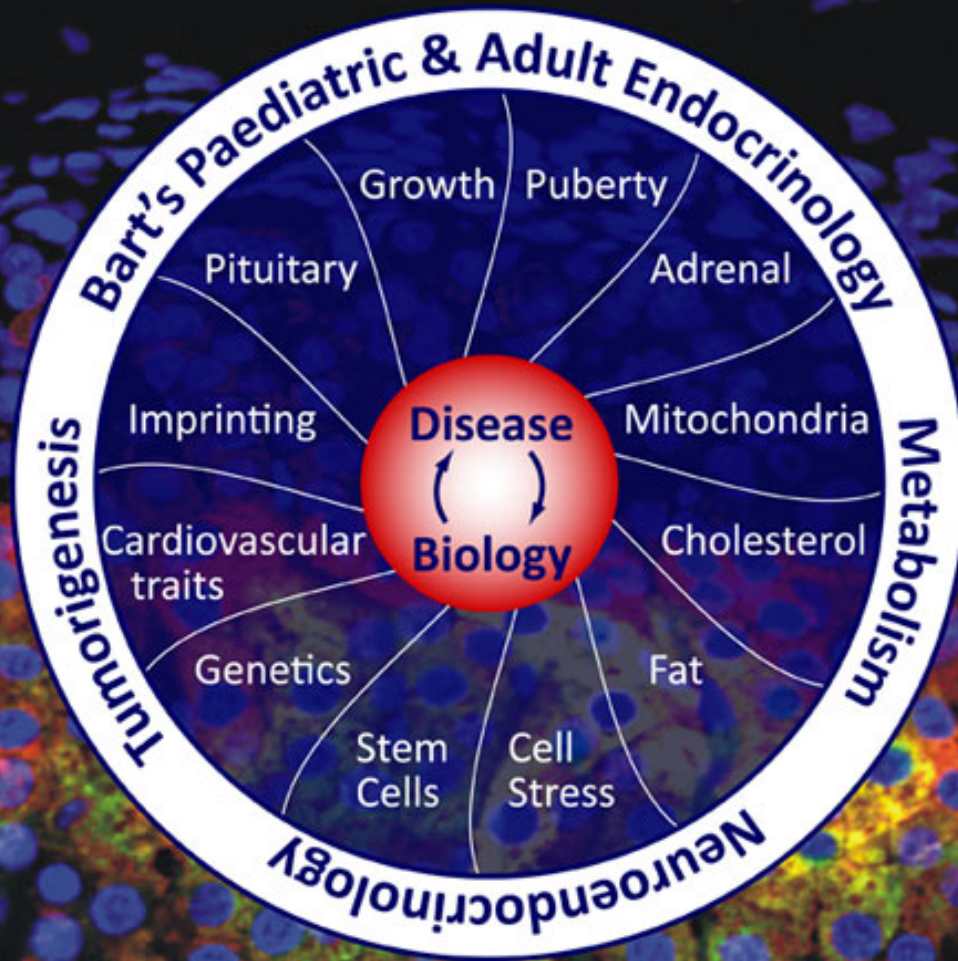
5 new Chairs



Centre for Diabetic Kidney Disease (£3.6M; shared with the Blizard Institute)

Epigenetics

Podocyte Biology



The Barts Endocrine Centre