



UCL

Faculty of Medical Sciences Dean's Research Prize Event

Thursday 14th February 2019

Programme

- 2.00pm Introduction by the Faculty Dean, Prof Mark Emberton**
- 2.10pm Research Degree & 3MTC Student Presentations**
- 4.30pm Poster viewing & Refreshments**
- 5.30pm Prize Winners**

The After Party

*Gallery Bar,
Student Central Building
(opposite Waterstones bookstore on Torrington Place),
Malet St, WC1E 7HY.*

Venue:

Jeffrey Hall, Institute of Education, Bedford Way

Hosted by:

Professor Mark Emberton
Dean, Faculty of Medical Sciences
Professor of Interventional Oncology

Chaired by:

Professor Jill Norman
Faculty Graduate Tutor (Research)
Reader in Nephrology





A Celebration of Student Success in Research

2.00pm Introduction by the Faculty Dean, Prof Mark Emberton

2.10pm Research Degree Student Presentations:

Holly Simpson Ragdale

(Cancer Institute)

A novel gatekeeper function for p53 in restricting astrocyte plasticity

Julie Gallagher

(Eastman Dental Institute)

Aiming for Excellence

Sylvia Rofael

(Division of Infection & Immunity)

The Role of Respiratory Microbiome in Chronic Lung Disease

Friedrich Jassil

(Division of Medicine)

BARI-LIFESTYLE: Maximising the health benefits obtained from bariatric surgery

Lina Carmona Echeverria

(Division of Surgical & Interventional Science)

Objective assessment of the aggressive prostate cancer burden in PROMIS using digital pathology.

3MT[®] Presentations:

Antonio Luis S H S Delgado

(Eastman Dental Institute)

The glue behind your dental filling and why it is important

Anna Maeva

(Eastman Dental Institute)

The light bulb of eternal youth-what hides beneath

Gianpaolo Manalastas

(UCL Medical School)

"Before I go into that, let me ask you a few questions first": How doctors use language to control the consultation structure

3MT® Presentations continued:

Ana Martinez de Azcona Naharro

(Division of Medicine)

Treatment response in cardiac AL amyloidosis assessed by CMR: findings at 3 months, 6 months and 1 year post-chemotherapy

Gregorio Contento

(Division of Medicine)

Metabolic reprogramming in pulmonary fibrosis

Rikah Louie

(Division of Medicine)

Macrophage-IRF8 deficiency protects against Atherosclerosis

Oliver Devine

(Division of Infection & Immunity)

A disease nobody knew they had

Lina Carmona Echeverria

(Division of Surgical & Interventional Science)

Improving the diagnosis and stratification of prostate cancer using fluid biomarkers

Benjamin Simpson

(Division of Surgical & Interventional Science)

Seeking the source of aggressivity in prostate cancer: the role of syntabulin

Tan Xu

(Division of Surgical & Interventional Science)

Carbon Ion and X-ray Irradiation of Glioma Cells with Nanoparticles

Cancer Institute

1. **Sharmin Saleque**
(MSc Cancer)
Cancer prevention through anti-ageing interventions: focus on accuracy of protein synthesis

Eastman Dental Institute

2. **Marwah Behbehani**
(MClinDent Prosthodontics (Advanced Training))
Disinfection of Pseudomonas aeruginosa and Acinetobacter baumannii biofilms grown on denture acrylic
3. **Kathryn Bernowicz**
(MSc Restorative Dental Practice)
Has Your Restorative Dental Practice Programme, Completed so far, Helped Your Career and Further Educational Interventions?
4. **Cindy Blenman**
(MClinDent Oral Surgery (Advanced Teaching))
Gabapentinoid and Opioids use in Chronic Pain Patients at the UCLH Pain Clinic
5. **Pareen Desai**
(MSc Oral Medicine)
Quality and readability of online information on medication-related osteonecrosis of the jaws
6. **Jee Yun Elston**
(MSc Special Care Dentistry)
Quality and Readability of Online Information on Dental Treatment for Patients with Ischaemic Heart Disease
7. **Keegan Gowans**
(MClinDent Orthodontics)
Does Orthodontic Treatment Improve Oral Health-Related Quality of Life? Pre-treatment data collection at the Eastman Dental Hospital
8. **Nicholas Jackson**
(MSc Periodontology)
The relationship between alcohol consumption and periodontitis in adults
9. **Ramandeep Singh Marway**
(MSc in Endodontics)
Association of tactile sensitivity and fine motor skills with clinical task performance amongst dentists
10. **Anjali Mehta**
(MClinDent Periodontology)
The Effect of a Single Exposure of a Low Dose Bisphosphonate on Human Mesenchymal Stem Cells on a Titanium Surface

11. Luis Pinheiro

(MSc Oral & Maxillofacial Surgery)

Assessment of Quality of Life in a retrospective study of Total Oral Rehabilitation of the Upper Jaw with TransZygomatic Fixation

12. David W Rawson-Cain

(MClinDent Endodontology)

Digital technology to inform selection of extra-coronal restoration of root filled molars - an ex vivo study.

Division of Infection & Immunity

13. Madeleine Poulter

(MSc Infection and Immunity)

Characterising the dependency of HCMV gene expression on cellular histone acetyltransferase activity

14. Alexandra Kondratiuk

(BSc Immunology and Infection)

Understanding the T cell costimulatory ligands CD80 and CD86

UCL Medical School

15. Helen Bintley

(MA Clinical Education)

Challenging Values and Questioning Norms: Discourse in LGBTQ+ medical curriculum

16. Sarah Frearson

(MSc Medical Education)

Hospice placements for foundation year doctors: opportunities and challenges

17. Irene Gafson

(MSc Clinical and Professional Education)

Caring for concerns

Division of Medicine

18. Matthew Bostock

(MRes Drug Design)

The Development of an In vitro Cell-based Assay for NOTUM Inhibitors as a Future Therapeutic Intervention for Alzheimer's Disease

19. Hsin-Tsung Chen

(MRes Clinical Drug Development)

Design and evaluation of viral vectors with ubiquitous promoters for their use in gene therapy for Paediatric neurological disorders

20. Yuyan Duan

(MRes Human Tissue Repair)

Role of liver-resident natural killer cells in repair and regenerations

Division of Medicine continued...

- 21. Renyang Gu**
(MSc Advanced Biomedical Imaging)
Motion Correction and Image Registration for Human Hepatic Arterial Spin Labelling
- 22. Robert Nkwo**
(MSc Drug Design)
Identification of Core Ligand Binding Motifs in Protein Families
- 23. Federico Romano**
(MSc Clinical Drug Development)
Clinical audit: Prescribing compliance of antibiotics at the Royal Free Hospital over a 2-year period
- 24. Isabella Stelle**
(MSc Clinical and Public Health Nutrition)
Barriers & Facilitators of the IHAT-GUT Iron Supplementation Trial in Rural Gambia
- 25. Sylvia Zanesco**
(MSc Eating Disorders and Clinical Nutrition)
Bi-directional associations between children's eating behaviours and parental feeding practices in the Avon Longitudinal Study of Parents and Children (ALSPAC).
- 26. Sara Hrabovska**
(MSci Applied Medical Sciences)
Hand Grip Strength can be used as an alternative to vertical jump as a Measures of Muscular Fitness in Children
- 27. Melika Moghim**
(iBSc Clinical Sciences)
The Identification and Role of Novel Ciliopathy Protein SNX33 in Ciliogenesis
- 28. Vittoria Stefanello**
(BSc Applied Medical Sciences)
The Effects of Radiotherapy and Nanoparticles on 3D Cancer Models

Division of Surgery & Interventional Science

- 29. Alona Courtney**
(MSc Surgical & Interventional Science)
MEK inhibition in HER2 positive breast cancer cells
- 30. Alexander Geierlehner**
(MSc Burns, Plastic & Reconstructive Surgery)
The development of a bespoke exoskeleton for hand rehabilitation
- 31. Oran Maguire**
(MSc Nanotechnology & Regenerative Medicine)
Serum type and aspect ratio affect cell uptake of gold nanoparticles
- 32. Lydia Mardell**
(MSc Rehabilitation, Engineering & Assistive Technologies)
Neural Correlates of Fine Motor Skill Learning: The Piano Project

33. Marie McKavanagh

(MSc Performing Arts Medicine)

Cognition in Adult Amateur Pianists

34. Jade Portelli

(MSc Sports Medicine, Exercise & Health)

Hamstring Activation Patterns during Cutting Tasks in Elite Athletes

35. Danielle Roberts

(MSc Evidence-Based Healthcare)

Endoscopic variceal ligation against or in combination with vasoactive drugs for acute treatment of bleeding oesophageal varices: a systematic review and meta-analysis

36. Tom Salih

(MSc Perioperative Medicine)

The impact of distance to hospital in emergency general surgery

37. Jerneja Uhan

(MSc Musculoskeletal Science)

A novel reliable technique for measuring the first metatarsophalangeal joint range of motion: A systematic review and data analysis

38. Keval Dungar

(iBSc in Orthopaedic Science)

The Use of Bi-Planar EOS Imaging in The Detection of Leg Length Discrepancies

39. Charlotte L Ramsey

(iBSc Sports Exercise & Medical Science)

A randomised study investigating the cross-education of calf muscle strength following a six-week, at-home intervention in healthy volunteers

Judging Panels

Postgraduate Research Presentations:

Prof Mark Emberton

Dean, Faculty of Medical Sciences
Professor of Interventional Oncology

Dr Kate Ricketts

Departmental Graduate Tutor (Research)
Senior Lecturer, Department of Targeted Intervention

Prof Dave Spratt

Departmental Graduate Tutor (Taught)
Professor of Microbial Ecology and Education

Dr Adam Paige

Departmental Graduate Tutor (Taught & Research)
Principal Teaching Fellow, Cancer Institute

Miss Judith Pape

Faculty Student Academic Representative (PGR)

3MT[®] Presentations:

Prof Mark Emberton

Dean, Faculty of Medical Sciences
Professor of Interventional Oncology

Prof Tim McHugh

Faculty Graduate Tutor (Taught)
Professor of Medical Microbiology

Dr Mike Page

Departmental Graduate Tutor (Taught)
Senior Lecturer in Medical Education

Miss Roxanna Zakeri

Faculty Student Academic Representative (PGR)

Miss Geraldine Leksztan

Faculty Student Academic Representative (PGT)

Postgraduate and Undergraduate Taught Programme Posters:

Prof Mark Emberton

Dean, Faculty of Medical Sciences
Professor of Interventional Oncology

Prof Vivek Mudera

Vice-Dean (Education)
Professor of Education and Musculoskeletal Engineering

Dr Rachel Leeson

Departmental Graduate Tutor (Research)
Clinical Senior Lecturer / Honorary Consultant in Oral Surgery

Dr Nathan Davies

Head of Education, Division of Medicine
Reader in Biochemistry

Miss Shreya Ranarjan

Faculty Student Academic Representative (PGR)

Dean's Research Prize After-Party!

*Following the event, we will be hosting an after-party at the **Gallery Bar, Student Central Building** (opposite Waterstones bookstore on Torrington Place), Malet St, WC1E 7HY.*

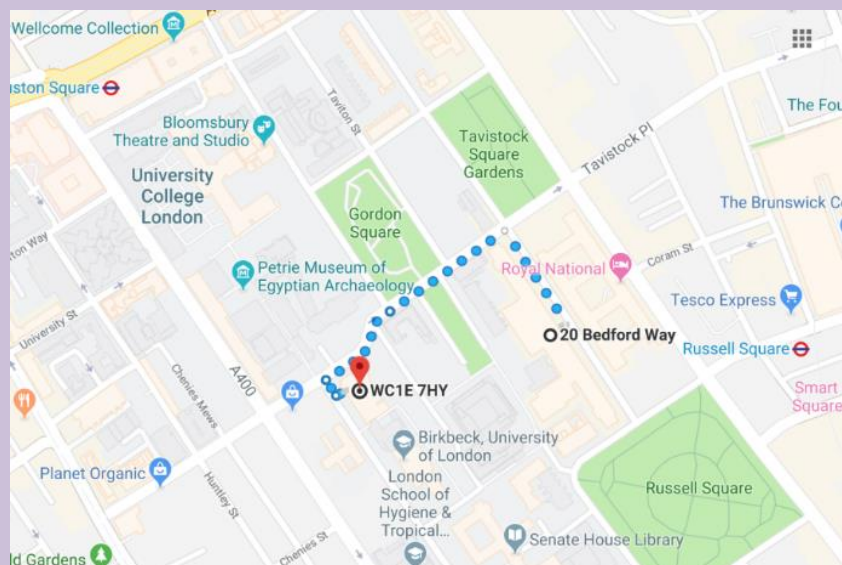
Come along for free food, drinks and music!

All are welcome, so bring the whole team! This is the perfect opportunity to meet students and tutors from all disciplines within the Faculty, hopefully to spark new collaborations and friendships.

Hope to see you there!

Judith and Roxanna

(Your Postgraduate Research Student Reps)



Dean's Research Prize Winners: 2017

Postgraduate Research:

Winner:

RICHARD D BARTLETT

(Eastman Dental Institute)

Olfactory ensheathing cells for spinal cord repair – a tissue engineering approach

Runner Up:

GEORGE A ROBINSON

(Division of Medicine)

Understanding the immunopathogenesis of juvenile-onset Systemic Lupus Erythematosus

3MT®:

Winner:

BENJAMIN SIMPSON

(Division of Surgery and Interventional Science)

Unlocking the therapeutic potential of SIK2 in prostate cancer

Runner Up:

ANNA -MAEVA

(Eastman Dental Institute)

3MT®: The light bulb of eternal youth-what hides beneath

Postgraduate Taught:

Winner:

LAUREN MASTROGIACOMO

(MSc Human Tissue Repair)

Satellite Cell Migratory Capability through Circulation in Dystrophic Mice

Runner Up:

DIANA CORBEN

(MSc in Physical Therapy in Musculoskeletal Healthcare and Rehabilitation)

Do the sub-bundles within the Achilles tendon originating from distinct muscle bellies differ in structural and mechanical properties?

Undergraduate:

Winner:

HAARITH NDIAYE

(iBSc Clinical Sciences)

Novel Insights into the Subcellular Localisations of the Long-chain Acyl-CoA Synthetase Enzymes Required for Fatty Acid Activation in Breast Cancer Cell

Dean's Research Prize Winners: 2016

Postgraduate Research Student:

Brintha Selvarajah

(Division of Medicine)

Metabolic Reprogramming in Idiopathic Pulmonary Fibrosis

Postgraduate Master's Student:

Alex Ney

(MSc Surgical & Interventional Sciences)

Enhancing the efficacy of pancreatic cancer treatments using Photochemical internalisation (PCI)

Undergraduate Project Student:

Daniyal Jafree

(iBSc in Surgical Science)

Prenatal renal tract abnormalities in murine models of spina bifida overexpressing grainyhead-like 2 and grainyhead-like 3

3MT® - Winner

Emma Elliston

(Division of Medicine)

Imaging on thin ice: The structure of the α 1-antitrypsin polymer

3MT® - Runner-Up

Alexandra Bridarolli

(Eastman Dental Institute)

REGENERATIVE MEDICINE FOR CANVAS

Dean's Research Prize Winners: 2015

Postgraduate Research Student

Madhur Motwani

(Division of Medicine)

A novel translational model of resolving acute inflammation

Postgraduate Master's Student

Marco Bolgeri

(Urology MSc)

Neutrophils Gelatinase-Associated Lipocalin as biomarker of renal injury in patients with unilateral ureteric obstruction due to stones.

Undergraduate Project Student

Ashish Rathore

(Orthopaedic Science iBSc)

Quantifying the Interaction Forces between a User and a Robotic Lower Limb Exoskeleton.

3MT Faculty Heat

Jessica Eley

(Division of Medicine)

Investigating the role of mTOR in tissue fibrosis

Dean's Research Prize Winners: 2014

Postgraduate Research Student

Torsten Hartwig

(Cancer Institute)

TRAIL: friend or foe in cancer treatment?

Postgraduate Master's Student

Maximilian Liedtke

(MSc Drug Design, Division of Medicine)

Preventing pathogenic ordered aggregation of α 1-antitrypsin using an engineering single chain antibody fragment

Undergraduate Project Student

Julian Lim

(iBSc Clinical Sciences, Division of Medicine)

Excess Dietary Salt may Exacerbate Inflammation in Autoimmune Diseases

Dean's Research Prize Winners: 2013

Postgraduate Research Student

Lauren Bourke

(Division of Medicine)

Cardiac injury in Lupus

Postgraduate Master's Student

Michelle Griffin

(MSc Burns, Plastic & Reconstructive Surgery)

POSS-PCU nanocomposite for facial reconstruction

Undergraduate Project Student

Djamil Damry

(iBSc in Immunology, Infection and Cell Pathology/BSc in Immunology and Infection)

Harnessing the power of the PD-1/PD-L1 pathway through receptor regulation for cancer immunotherapy

Dean's Research Prize Winners: 2012

Postgraduate Research Student

Ben Carpenter

(Cancer Institute)

Targeting therapeutic Tcells to tumour niches

Postgraduate Master's Student

Karolin Nowak

(MSc Molecular Medicine)

Role of nesprins in endothelial cell migration and in vitro angiogenesis

Undergraduate Project Student

Mohammed Syed

(iBSc Clinical Science)

Improving the Diagnostic Performance of the Electroencephalogram in Hepatic Encephalopathy

