

MRC DTP iCASE Industrial Networking Day
KCL Principal Investigators and Their Areas of Expertise

Oncology:

PI	School, Faculty	Fields of interest
Professor Miraz Rahman https://www.kcl.ac.uk/people/miraz-rahman	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Payload development for antibody drug conjugates • Proteolysis Targeting Chimeras (PROTACs) • Kinase inhibitors
Dr Igor Vivanco (https://www.kcl.ac.uk/people/igor-vivanco-1)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Identifying cellular processes (i.e those engage by active oncogenes) that drive cancer-selective susceptibilities, and therapeutic targets that exploit these liabilities • Drug repurposing • Extensive expertise in characterising MoAs for compounds.
Dr Erin Stella Sullivan (https://kclpure.kcl.ac.uk/portal/en/persons/erin_stella.sullivan)	School of Life Course & Population Sciences, FOLS&M	<ul style="list-style-type: none"> • Medical Nutrition Products, Dietetics • Oncology • Palliative Care • Body Composition, Sarcopenia & Frailty, • Complex Interventions • Radiomics, Diagnostics
Dr Robbert Hoogeboom (https://www.kcl.ac.uk/research/lymphoma-signalling)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Cancer • Lymphoma, B cell Chronic Lymphocytic Leukaemia • Immunology, B cell immune responses
Prof Mieke Van Hemelrijck (https://www.kcl.ac.uk/research/tour)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Cancer Epidemiology
Dr Gerald Finnerty (https://geraldfinnerty.wixsite.com/finnertylab)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • Brain tumours
Dr. Alan G. Ramsay (https://www.kcl.ac.uk/people/dr-alan-ramsay)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Immunotherapy • Cancer Lymph Node Immunology
Dr Piers Patten (https://www.kcl.ac.uk/research/lymphoma-biology)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Lymphoma and CLL

Cardiovascular Diseases:

PI	School, Faculty	Fields of interest
Dr Matthew Stroud (www.stroudlab.com)	School of Cardiovascular and Metabolic Medicine & Sciences, FOLS&M	<ul style="list-style-type: none">• Cardiovascular• Skeletal muscle• Ageing
Prof Albert Ferro (https://www.kcl.ac.uk/people/albert-ferro-1)	School of Cardiovascular and Metabolic Medicine & Sciences, FOLS&M	<ul style="list-style-type: none">• Role of inflammation in atherosclerosis - specifically with a view to identifying novel biomarkers as well as novel therapeutic targets in atherosclerosis
Dr Joaquim Nunes Vieira (https://www.kcl.ac.uk/people/joaquim-nunes-vieira)	School of Cardiovascular and Metabolic Medicine & Sciences, FOLS&M	<ul style="list-style-type: none">• Cardiovascular development and regeneration• Understanding of the cellular and molecular interactions underpinning heart formation• Use of mouse genetics, microscopy, in vitro assays (e.g. hiPSC/organoids) and next-generation sequencing platforms

Neurology:

PI	School, Faculty	Fields of interest
Dr Anna Andreou (https://www.headache-research.com/)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • Headaches, migraine, cluster headache, pain, • Neuroscience, neuromodulation, • Animal models, electrophysiology, • Transcranial magnetic stimulation
Dr Franziska Denk (https://www.franziskadenk.com)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • Neuro-Immune-Stromal Interactions
Dr Alfredo Iacoangeli (https://www.kcl.ac.uk/people/alfredo-iacoangeli)	School of Mental Health & Psychological Sciences, IoPPN	<ul style="list-style-type: none"> • Bioinformatics • Multi-omics, genomics • Neurodegenerative diseases • Machine learning
Prof Federico E Turkheimer (https://www.kcl.ac.uk/people/federico-turkheimer)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • Neuroimaging (pre-clinical, clinical) • Computational Neuroscience • Blockchain technology
Dr Ulrike Hammerbeck (https://www.kcl.ac.uk/people/ulrike-hammerbeck)	School of Basic & Medical Biosciences, FOLS&M	<ul style="list-style-type: none"> • Motor recovery after stroke
Dr Aminul Ahmed (https://www.kcl.ac.uk/people/aminul-ahmed)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • Neurotrauma and clinical translation
Prof Sandrine Thuret (https://www.thuretab.com/)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • Neuroscience • Stem Cells • Biomarkers • Ageing • Dementia • Depression • Neurogenesis
Prof Benedikt Berninger (https://www.kcl.ac.uk/people/benedikt-berninger)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • Conversion of glia into induced neurons • Replacement of neurons lost to disease or injury for brain repair • Use of mouse and human in vitro and in vivo models to induce conversion of glia (e.g., astrocytes) into neurons with clinically relevant properties
Dr Anthony Vernon (https://www.kcl.ac.uk/people/anthony-vernon)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • Neuro-immune interactions • Neuropsychopharmacology • Microglia • Human induced pluripotent stem cell models

Diabetes and Endocrinology:

PI	School, Faculty	Fields of interest
Dr Paul Caton (https://www.kcl.ac.uk/people/paul-caton)	School of Cardiovascular and Metabolic Medicine & Sciences, FOLS&M	<ul style="list-style-type: none"> • Diabetes
Prof Luigi Gnudi (https://www.kcl.ac.uk/people/luigi-gnudi)	School of Cardiovascular and Metabolic Medicine & Sciences, FOLS&M	<ul style="list-style-type: none"> • Vascular repair, sodium, diabetes, kidney

Infectious Diseases:

PI	School, Faculty	Fields of interest
Professor Miraz Rahman (https://www.kcl.ac.uk/people/miraz-rahman)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Efflux resistance breaker technology • New generation antibiotic • New classes of antifungal agents • Biocides
Prof James Mason (https://www.kcl.ac.uk/people/james-mason)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Antimicrobial drug discovery, functional microbiome interactions, microbial metabolism and metabolomics, nucleic acid delivery
Dr Bahijja Raimi-Abraham (https://www.kcl.ac.uk/people/bahijja-raimi-abraham)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Pharmaceutical challenges in infectious diseases • Generation of non-animal cell-based infectious disease models • Design and development of nanotheranostic antimicrobial metallodrugs.
Dr Richard Amison (https://www.kcl.ac.uk/people/richard-amison)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Animal models of infection

Immunology:

PI	School, Faculty	Fields of interest
Dr Magdalena Flak (https://www.kcl.ac.uk/people/magdalena-flak)	Centre for Host-Microbiome Interactions, FoDOCS	<ul style="list-style-type: none"> Role of resolution mechanisms in the regulation of host-microbiota interactions during health and chronic inflammatory disease

- Psychiatry:

PI	School, Faculty	Fields of interest
Dr Angela Hodges (https://kclpure.kcl.ac.uk/portal/en/persons/angela.k.hodges)	School of Academic Psychiatry, IoPPN	<ul style="list-style-type: none"> Translation of genetic knowledge into tools for drug development - for Alzheimer's disease (targeting microglia; SORL1, CD33, TREM2) Impulsivity - Juvenile Myoclonic Epilepsy (GABAergic neurons; SLC05A1 brain transporters)
Dr Maria Livanou (https://www.kcl.ac.uk/people/maria-livanou)	School of Mental Health & Psychological Sciences, IoPPN	<ul style="list-style-type: none"> Child and adolescent mental health
Dr Gonzalo Salazar de Pablo (https://www.kcl.ac.uk/people/gonzalo-salazar-de-pablo)	School of Academic Psychiatry, IoPPN	<ul style="list-style-type: none"> Bipolar Disorder in adolescents Early onset psychosis
Dr Will Lawn (https://www.kcl.ac.uk/people/will-lawn)	School of Mental Health & Psychological Sciences, IoPPN	<ul style="list-style-type: none"> Psychopharmacology Cannabis, medical cannabis Reducing and treating opioid overdose, treatments for addiction Clinical application of ketamine
Prof James Rubin (https://www.kcl.ac.uk/people/james-rubin)	School of Academic Psychiatry, IoPPN	<ul style="list-style-type: none"> Behavioural science Perceptions of toxic nasties
Dr Erica Cini (https://www.researchgate.net/profile/Erica-Cini)	School of Academic Psychiatry, IoPPN	<ul style="list-style-type: none"> Eating Disorders
Dr Jonathan Coleman (https://www.kcl.ac.uk/people/jonathan-coleman)	School of Mental Health & Psychological Sciences, IoPPN	<ul style="list-style-type: none"> Psychiatric genetics Application of genome-wide methods to biological models Predictive algorithms
Dr Julia Ouzia (https://www.kcl.ac.uk/people/julia-ouzia)	School of Mental Health & Psychological Sciences, IoPPN	<ul style="list-style-type: none"> Multilingual cognition Relational psychotherapy

Biomedical imaging:

PI	School, Faculty	Fields of interest
Dr Ozlem Ipek (https://www.kcl.ac.uk/people/ozlem-ipek)	School of Biomedical Engineering & Imaging Sciences, FOLS&M	<ul style="list-style-type: none"> Biomedical Imaging
Dr David Lilburn (https://www.researchgate.net/profile/David-Lilburn)	School of Biomedical Engineering & Imaging Sciences, FOLS&M	<ul style="list-style-type: none"> Imaging of neurological disorders using PET/SPECT and MR imaging Functional oncological imaging

Other Areas of Expertise

PI	Area	School, Faculty	Fields of interest
Prof Ben Forbes (https://www.kcl.ac.uk/people/ben-forbes)	Drug delivery systems	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> Development of medicines with a focus on nasal and inhaled dosage forms
Dr Ciro Chiappini (https://www.chiappinilab.com)	Nanomedicine	Centre for Craniofacial & Regenerative Biology, FoDOCS	<ul style="list-style-type: none"> Nanomedicine
Dr Ricardo Twumasi (https://kclpure.kcl.ac.uk/portal/en/persons/ricardo.twumasi)	Discrimination	School of Academic Psychiatry, IoPPN	<ul style="list-style-type: none"> Discrimination
Dr Sherif Elsharkawy (https://www.kcl.ac.uk/people/sherif-elsharkawy)	Bioengineering	Centre for Oral, Clinical & Translational Sciences, FoDOCS	<ul style="list-style-type: none"> Bioengineering
Dr Vishwesh Kulkarni (https://www.linkedin.com/in/vishwesh-k-6836a79/)	Bioengineering and synthetic biology	School of Biomedical Engineering & Imaging Sciences, FOLS&M	<ul style="list-style-type: none"> Bioengineering Feedback control theory Systems and synthetic biology
Dr Aleksej Zelezniak	Synthetic biology	School of Basic & Medical	<ul style="list-style-type: none"> Synthetic biology

(http://synthbiolab.com/)		Biosciences, FOLS&M	
Prof Guy Carpenter (https://www.kcl.ac.uk/people/guy-carpenter)	Oral biology	Centre for Host-Microbiome Interactions, FoDOCS	<ul style="list-style-type: none"> • Taste, saliva, salivary glands, innervation, mouthfeel, astringency, lubrication, mucins, plant-based proteins
Prof Daniel Stahl (https://kclpure.kcl.ac.uk/portal/en/persons/daniel.r.stahl)	Statistics and modelling	School of Mental Health & Psychological Sciences, IoPPN	<ul style="list-style-type: none"> • Development and validation of clinical risk prediction models
Dr Chloe Wong (https://www.kcl.ac.uk/people/chloe-wong)	Genetics	School of Mental Health & Psychological Sciences, IoPPN	<ul style="list-style-type: none"> • Genetics • Epigenetics • Biomarkers
Dr Marika Charalambous (https://www.kcl.ac.uk/research/developmental-epigenetics-group)	Genetics, growth and development	School of Basic & Medical Biosciences, FOLS&M	<ul style="list-style-type: none"> • Growth • Development, lipids in development
Prof Kerrin Small (https://www.kcl.ac.uk/people/kerrin-small)	Omics and genetics	School of Life Course & Population Sciences, FOLS&M	<ul style="list-style-type: none"> • Omics in longitudinal cohorts, transcriptomics and proteomics • Adipose tissue and skin tissue • Ageing • Genetics
Dr Filippo Prischi (https://www.kcl.ac.uk/people/filippo-prischi)	Phosphoregulation of DNA/RNA-binding proteins	School of Basic & Medical Biosciences, FOLS&M	<ul style="list-style-type: none"> • Phosphoregulation of DNA/RNA-binding proteins
Dr Oliver Witard	Nutrition and muscle physiology	School of Basic & Medical Biosciences, FOLS&M	<ul style="list-style-type: none"> • Nutrition and muscle physiology
Dr Cynthia Yu-Wai-Man (https://www.kcl.ac.uk/people/cynthia-yu-wai-man)	Ophthalmology	School of Life Course & Population Sciences, FOLS&M	<ul style="list-style-type: none"> • Personalised therapeutics and implants in the eye
Dr Caroline Ovardia (https://www.kcl.ac.uk/people/caroline-ovardia)	Obstetrics	School of Life Course & Population Sciences, FOLS&M	<ul style="list-style-type: none"> • Metabolic disease in pregnancy - in particular diabetes, fetal cardiology, steatotic liver disease, cholestasis
Dr Tanya Mensah	Population health sciences	School of Life Course & Population	<ul style="list-style-type: none"> • Population health and environmental science • Public Health • Climate Change

		Sciences, FOLS&M	<ul style="list-style-type: none"> • Social Care
Dr Nicholas Cummins (https://kclpure.kcl.ac.uk/portal/en/persons/nick.cummmins)	Speech and digital technologies	School of Mental Health & Psychological Sciences, IoPPN	<ul style="list-style-type: none"> • Translation of speech and digital technologies into clinical practice
Dr Daniel Leightley (https://www.kcl.ac.uk/people/daniel-leightley)	Digital therapeutics	School of Life Course & Population Sciences, FOLS&M	<ul style="list-style-type: none"> • Digital therapeutics • Data Linkage • Mental Health • Armed Forces Health
Dr Lei Lu (https://www.kcl.ac.uk/research/digital-health)	Health Data Science and AI	School of Life Course & Population Sciences, FOLS&M	<ul style="list-style-type: none"> • Health Data Science and AI

Investigator with existing links to industry

PI	School, Faculty	Industrial link(s)
Professor Miraz Rahman https://www.kcl.ac.uk/people/miraz-rahman	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Pheon Therapeutics • Astra Zeneca • Emergent Biosolutions • Auris Medical • LifeArc • UKHSA
Dr Igor Vivanco (https://www.kcl.ac.uk/people/igor-vivanco-1)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Roche
Dr Piers Patten (https://www.kcl.ac.uk/research/lymphoma-biology)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Roche
Dr Erin Stella Sullivan (https://kclpure.kcl.ac.uk/portal/en/persons/erin_stella.sullivan)	School of Life Course & Population Sciences, FOLS&M	<ul style="list-style-type: none"> • Medical Nutrition (clinical trials and product development)
Dr Oliver Witard	School of Basic & Medical Biosciences, FOLS&M	<ul style="list-style-type: none"> • Nutricia
Dr Anthony Vernon (https://www.kcl.ac.uk/people/anthony-vernon)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • Bit.Bio
Dr Anna Andreou (https://www.headache-research.com/)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • AbbVie • Pfizer
Dr Gerald Finnerty (https://geraldfinnerty.wixsite.com/finnertylab)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • Nanopore Technology
Dr Bahijja Raimi-Abraham (https://www.kcl.ac.uk/people/bahijja-raimi-abraham)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • BASF • Daye
Dr Marika Charalambous (https://www.kcl.ac.uk/research/developmental-epigenetics-group)	School of Basic & Medical Biosciences, FOLS&M	<ul style="list-style-type: none"> • Merck

Dr. Alan G. Ramsay (https://www.kcl.ac.uk/people/dr-alan-ramsay)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Bristol-Myers Squibb
Dr Caroline Ovadia (https://www.kcl.ac.uk/people/caroline-ovadia)	School of Life Course & Population Sciences, FOLS&M	<ul style="list-style-type: none"> • Mirum Pharmaceuticals
Dr Jonathan Coleman (https://www.kcl.ac.uk/people/jonathan-coleman)	School of Mental Health & Psychological Sciences, IoPPN	<ul style="list-style-type: none"> • Pharmaceutical
Prof James Rubin (https://www.kcl.ac.uk/people/james-rubin)	School of Academic Psychiatry, IoPPN	<ul style="list-style-type: none"> • Pharma (work on uptake of vaccination)
Prof Ben Forbes (https://www.kcl.ac.uk/people/ben-forbes)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • AstraZeneca • Novartis • Biotherapy Services • Intertek
Prof Sandrine Thuret (https://www.thuretab.com/)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • MSD
Dr Alfredo Iacoangeli (https://www.kcl.ac.uk/people/alfredo-iacoangeli)	School of Mental Health & Psychological Sciences, IoPPN	<ul style="list-style-type: none"> • MSD • Precision Life • LifeArc • Atex • Takeda • GSK
Dr Franziska Denk (https://www.franziskadenk.com)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • GSK (consulting) • Ono Pharmaceuticals • Consortium containing AZ & Eli Lilly • Cellectricon (Advisory Board)
Prof Federico E Turkheimer (https://www.kcl.ac.uk/people/federico-turkheimer)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • GSK Imaging • GE Healthcare • OLEA Medical • Bayer Imaging
Prof Mieke Van Hemelrijck (https://www.kcl.ac.uk/research/tour)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> • Bayer (Consultant) • Gilead (Consultant)
Dr Aleksej Zelezniak (http://synthbiolab.com/)	School of Basic & Medical Biosciences, FOLS&M	<ul style="list-style-type: none"> • Microsoft Research
Dr Ricardo Twumasi (https://kclpure.kcl.ac.uk/people/dr-ricardo-twumasi)	School of Academic Psychiatry, IoPPN	<ul style="list-style-type: none"> • Deloitte (Globale Virtual Teams)

c.uk/portal/en/persons/ricardo.twumasi)		
Dr Vishwesh Kulkarni (https://www.linkedin.com/in/vishwesh-k-6836a79/)	School of Biomedical Engineering & Imaging Sciences, FOLS&M	<ul style="list-style-type: none"> • Tata Consultancy Services (development of digital twins) • Larsen & Toubro (development of digital twins)
Dr Nicholas Cummins (https://kclpure.kcl.ac.uk/portal/en/persons/nick.cummins)	School of Mental Health & Psychological Sciences, IoPPN	<ul style="list-style-type: none"> • Thymia (consultant)
Dr Ozlem Ipek (https://www.kcl.ac.uk/people/ozlem-ipek)	School of Biomedical Engineering & Imaging Sciences, FOLS&M	<ul style="list-style-type: none"> • Brain Products (MRC iCASE project)
Dr Matthew Stroud (www.stroudlab.com)	School of Cardiovascular and Metabolic Medicine & Sciences, FOLS&M	<ul style="list-style-type: none"> • Microscopy (iCASE sponsorship)
Dr Ulrike Hammerbeck (https://www.kcl.ac.uk/people/ulrike-hammerbeck)	School of Basic & Medical Biosciences, FOLS&M	<ul style="list-style-type: none"> • Brainomix (MRC DTP iCASE)
Dr Ciro Chiappini (https://www.chiappinilab.com)	Centre for Craniofacial & Regenerative Biology, FoDOCS	<ul style="list-style-type: none"> • MicrofluidX - developing microfluidics for CAR-T manufacturing • Unilever - Spatial Biology
Prof Guy Carpenter (https://www.kcl.ac.uk/people/guy-carpenter)	Oral biology	<ul style="list-style-type: none"> • Haleon

Prospective links to industry

PI	School, Faculty	Industrial link(s)
Dr Paul Caton (https://www.kcl.ac.uk/people/paul-caton)	School of Cardiovascular and Metabolic Medicine & Sciences, FOLS&M	<ul style="list-style-type: none"> Partners working on diabetes. <ul style="list-style-type: none"> For developing novel NAD modulating compounds for treatment of type 1 and type 2 diabetes, and NAFLD/NASH).
Dr Igor Vivanco (https://www.kcl.ac.uk/people/igor-vivanco-1)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> Partners working with oncogenes. <ul style="list-style-type: none"> For exploring the signalling fingerprint of oncogene superactivation to design therapeutic strategies based on pharmacological mimicry of oncogene-overdose cell-killing signals).
Dr Alan G. Ramsay (https://www.kcl.ac.uk/people/dr-alan-ramsay)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> Pharma partner working on NSCLC. <ul style="list-style-type: none"> Interested in the crosstalk between tumour cells and cancer-associated lymph node fibroblasts (LN CAFs) and their functional interactions with T cells and dendritic cells (DCs) likely regulates immunotherapy response/resistance. Studies will include the study of excision tdLNs from patients across NSCLC stages (Guy's is a major lung cancer Centre of Excellence) and will help identify new targets for research and therapeutic intervention (e.g. bispecific antibody design).
Dr Robbert Hoogeboom (https://www.kcl.ac.uk/research/lymphoma-signalling)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> Partners working on lymphoma. <ul style="list-style-type: none"> To develop a differentiation therapy for lymphoma - have recently uncovered a druggable protein that inhibits terminal differentiation of B cell cancer cells.
Dr Bahijja Raimi-Abraham (https://www.kcl.ac.uk/people/bahijja-raimi-abraham)	School of Cancer & Pharmaceutical Sciences, FOLS&M	<ul style="list-style-type: none"> Partners interested in Space Medicine and CRISPR in infectious diseases.
Dr Caroline Ovidia (https://www.kcl.ac.uk/people/caroline-ovadia)	School of Life Course & Population Sciences, FOLS&M	<ul style="list-style-type: none"> Partners interested in the use of continuous monitors of maternal health on the fetal impacts - combining fetal cardiac monitoring with e.g. markers of diabetes control.

<p>Prof Luigi Gnudi https://www.kcl.ac.uk/people/luigi-gnudi</p>	<p>School of Cardiovascular and Metabolic Medicine & Sciences, FOLS&M</p>	<ul style="list-style-type: none"> • Partner working on vascular health. <ul style="list-style-type: none"> • For project working on defining the mechanism of action of the angiotensin1-2/tie2-1 signalling system – have identified some molecular pathways that could modulate the system towards a more stable vasculature.
<p>Dr Aleksej Zelezniak http://synthbiolab.com/</p>	<p>School of Basic & Medical Biosciences, FOLS&M</p>	<ul style="list-style-type: none"> • Partners working on plastic biodegradation. • Partners interested in protein expression in non-conventional organisms.
<p>Dr Vishwesh Kulkarni https://www.linkedin.com/in/vishwesh-k-6836a79/</p>	<p>School of Biomedical Engineering & Imaging Sciences, FOLS&M</p>	<ul style="list-style-type: none"> • Partners in the space of systems and synthetic biology based solutions for (i) monitoring and eliminating pollutants and (ii) converting residential and industrial waste into high-value products.
<p>Prof James Mason https://www.kcl.ac.uk/people/james-mason</p>	<p>School of Cancer & Pharmaceutical Sciences, FOLS&M</p>	<ul style="list-style-type: none"> • Partner working on antimicrobials. <ul style="list-style-type: none"> • To take a patented antimicrobial peptide with demonstrated in vivo therapeutic efficacy into indications for which it is best suited. Also has two possible classes of lipid/amphiphile antibiotics/potentiators which are at an earlier stage of development but have shown efficacy in invertebrate infection models.
<p>Prof Ben Forbes https://www.kcl.ac.uk/people/ben-forbes</p>	<p>School of Cancer & Pharmaceutical Sciences, FOLS&M</p>	<ul style="list-style-type: none"> • Partners looking for enabling formulations or devices to translate novel therapeutics through preclinical development into humans.
<p>Dr Franziska Denk https://www.franziskadenk.com/</p>	<p>School of Neuroscience, IoPPN</p>	<ul style="list-style-type: none"> • Partners looking for low-throughput compound screening methods. <ul style="list-style-type: none"> • Have set up human stem-cell derived gut organoid models with either enteric neurons, sensory neurons or vagal efferents that might be a great model to use in low-throughput compound screening processes.
<p>Dr Anna Andreou https://www.headache-research.com/</p>	<p>School of Neuroscience, IoPPN</p>	<ul style="list-style-type: none"> • Partner with access to animal models. <ul style="list-style-type: none"> • Specifically for the development of chronic animal models of migraine/cluster headache and facial pain. • Tech/PharmaTech partner

		<ul style="list-style-type: none"> • For the development of an app to aid diagnosis and treatment pathway in patients. • Partner working on antinociceptive treatments. <ul style="list-style-type: none"> • For support to take a first-in human antinociceptive treatment for facial pain and headaches.
Prof Sandrine Thuret (https://www.thuretab.com/)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • Partner interested in predictive biomarkers of Alzheimer's disease. • Partner interested in biomarkers for depression treatment stratification. • Partner working on validating in new neurogeroprotectors.
Prof Benedikt Berninger (https://www.kcl.ac.uk/people/benedikt-berninger)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> • Partner interested in developing improved human (ES cell -based) models to screen for optimal reprogramming factor combinations to generate clinically relevant neurons. • Partners interested in developing improved strategies for delivery of reprogramming factors in vivo (e.g., nanoparticle, mRNA-based).
Dr Angela Hodges (https://kclpure.kcl.ac.uk/portal/en/persons/angela.k.hodges)	School of Academic Psychiatry, IoPPN	<ul style="list-style-type: none"> • Partners developing drugs for Alzheimer's and Epilepsy. <ul style="list-style-type: none"> • Are developing cell models and markers linked to these conditions that can be used for drug screening, testing candidate drugs. • Partners running research studies on people. <ul style="list-style-type: none"> • Have identified high genetic risk research participants who could be invited for relevant research studies.
Dr Alfredo Iacoangeli (https://www.kcl.ac.uk/people/alfredo-iacoangeli)	School of Mental Health & Psychological Sciences, IoPPN	<ul style="list-style-type: none"> • Partners working on ALS-FTD <ul style="list-style-type: none"> • Have biological information and experience using a particular form of machine learning, latent class cluster analysis, that can be used to refine the subgrouping of ALS further and extend it to the whole ALS-FTD spectrum. The new subtypes of ALS-FTD will have potential for personalized medicine approaches that can be beneficial for all people with ALS or FTD.

<p>Dr Sherif Elsharkawy (https://www.kcl.ac.uk/people/sherif-elsharkawy)</p>	<p>Centre for Oral, Clinical & Translational Sciences, FoDOCS</p>	<ul style="list-style-type: none"> Partners working on tissue regeneration, neurodegenerative disorders or adhesive medical devices. <ul style="list-style-type: none"> Currently work at the interface between basic and translational sciences, focusing on novel tools to enhance adhesion of medical devices, protein-based approaches for hard and soft tissue regeneration, and mechanisms for neurodegenerative disorders.
<p>Dr Lei Lu (https://www.kcl.ac.uk/research/digital-health)</p>	<p>School of Life Course & Population Sciences, FOLS&M</p>	<ul style="list-style-type: none"> Partners working with wearable devices for home care.
<p>Dr Gonzalo Salazar de Pablo (https://www.kcl.ac.uk/people/gonzalo-salazar-de-pablo)</p>	<p>School of Academic Psychiatry, IoPPN</p>	<ul style="list-style-type: none"> Partners interested in carrying out the first study on virtual reality for adolescents with bipolar disorder.
<p>Prof Daniel Stahl (https://kclpure.kcl.ac.uk/portal/en/persons/daniel.r.stahl)</p>	<p>School of Mental Health & Psychological Sciences, IoPPN</p>	<ul style="list-style-type: none"> Partners interested in applying risk prediction models.
<p>Dr Erica Cini (https://www.researchgate.net/profile/Erica-Cini)</p>	<p>School of Academic Psychiatry, IoPPN</p>	<ul style="list-style-type: none"> Partners interested in cultural variations of ED presentations. Partners involved in intensive outpatient programmes.
<p>Prof Albert Ferro (https://www.kcl.ac.uk/people/albert-ferro-1)</p>	<p>School of Cardiovascular and Metabolic Medicine & Sciences, FOLS&M</p>	<ul style="list-style-type: none"> Partners working on cardiovascular diseases (clinical). <ul style="list-style-type: none"> Have identified a panel of 21 plasma biomarkers which are highly predictive of atherosclerotic disease, with high sensitivity and specificity (superior to the current clinically used gold standard) and wish to develop this panel into a clinically useful test that can be applied more cost effectively and at scale for more general application in general practice as well as in cardiovascular risk / prevention clinics.
<p>Dr Ozlem Ipek (https://www.kcl.ac.uk/people/ozlem-ipek)</p>	<p>School of Biomedical Engineering & Imaging Sciences, FOLS&M</p>	<ul style="list-style-type: none"> Partners looking for metabolic and structural imaging towards early diagnosis and treatment follow-up purposes. <ul style="list-style-type: none"> Have in depth expertise on designing and manufacturing

		imaging hardware specifically for magnetic resonance imaging, electrocardiography and other biomedical imaging modalities for human and rodent studies.
Dr Ciro Chiappini (https://www.chiappinilab.com)	Centre for Craniofacial & Regenerative Biology, FoDOCS	<ul style="list-style-type: none"> Partners working on topical gene therapy/gene editing for regenerative medicine.
Dr Erin Stella Sullivan (https://kclpure.kcl.ac.uk/portal/en/persons/erin_stella.sullivan)	School of Life Course & Population Sciences, FOLS&M	<ul style="list-style-type: none"> Partners interested in the co-development of novel medical nutrition products for use in oncology & palliative care. Partners exploring potential avenues for AI-assisted Body Composition analysis using routinely acquired medical imaging as well as standardisation and optimisation of point of care tools which do not expose patients to ionising radiation, e.g. ultrasound, multi-segment bioelectrical impedance analysis etc.
Dr Oliver Witard	School of Basic & Medical Biosciences, FOLS&M	<ul style="list-style-type: none"> Partners interested in nutritional interventions to offset skeletal muscle loss in cancer cachexia patients.
Prof Federico E Turkheimer (https://www.kcl.ac.uk/people/federico-turkheimer)	School of Neuroscience, IoPPN	<ul style="list-style-type: none"> Industries involved in software development for data collection, storage, analysis and reporting.
Dr Daniel Leightley (https://www.kcl.ac.uk/people/daniel-leightley)	School of Life Course & Population Sciences, FOLS&M	<ul style="list-style-type: none"> Partners in the area of mental health and digital health. <ul style="list-style-type: none"> For several projects in the area of alcohol use, PTSD and gambling disorders.