



**UCL Clinical and
Community Cohorts for
Improved Population
Health –
A One-Day Symposium**

**Monday 16 June 2014
8.30am - 6.00pm**

**UCL Institute of Child Health
Kennedy Lecture Theatre
30 Guilford Street
London
WC1N 1EH**

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Committee

Professor Graham Hart – Dean, UCL Faculty of Population Health Sciences

Professor Aron Hingorani – Chair UCL Cohort Review, UCL Institute of Cardiovascular Science

Sarah Welsher – UCL Populations & Lifelong Health Domain Coordinator

Professor Philip Beales – UCL Institute of Child Health

Professor Martin Bobak – UCL Institute of Epidemiology & Health Care

Professor Eric Brunner – UCL Institute of Epidemiology & Health Care

Professor Nishi Chaturvedi – UCL Institute of Cardiovascular Science

Professor John Deanfield – UCL Institute of Cardiovascular Science

Professor Carol Dezateux – UCL Institute of Child Health

Professor Harry Hemingway – UCL Institute of Epidemiology & Health Care

Professor Alun Hughes – UCL Institute of Cardiovascular Science

Professor Mika Kivimaki – UCL Institute of Epidemiology & Health Care

Professor Diana Kuh – UCL Institute of Epidemiology & Health Care

Professor Sir Michael Marmot – UCL Institute of Epidemiology & Health Care

Professor Usha Menon – UCL Institute for Women's Health

Professor Amanda Mocroft – UCL Institute of Epidemiology & Health

Professor Richard Morris – UCL Institute of Epidemiology & Health Care

Dr Juan Pablo-Casas – UCL Institute of Cardiovascular Science

Professor Andrew Phillips – UCL Institute of Epidemiology & Health Care

Professor Christine Power – UCL Institute of Child Health

Professor Caroline Sabin – UCL Institute of Epidemiology & Health Care

Professor Amanda Sacker – UCL Institute of Epidemiology & Health Care

Professor Andrew Steptoe – UCL Institute of Epidemiology & Health Care

Professor Goya Wannamethee – UCL Institute of Epidemiology & Health Care

Professor Peter Whincup – St George's, University of London

Welcome

Professor Graham Hart

Dean, UCL Faculty of Population Health Sciences



More than 2.2 million people in the UK are currently participants in population-based cohort studies¹, and a large number of these cohorts are hosted by or have links to the Faculty of Population Health Sciences.

UCL also curates or otherwise takes a leadership role in a large number of intensively characterised clinical cohorts. These cohort studies benefit from our expertise in basic bioscience, clinical science, epidemiology – all the way through to applied public health and policy-related research. Together there is a wealth of opportunity which the Faculty is keen to harness, to deliver significant health gain to individual patients and whole populations.

This symposium brings our cohort researchers together to share our successes and best practice, and to identify new opportunities for synergy and improved connectivity between cohorts. It offers you the chance to shape Faculty strategy and identify key areas for investment. I look forward to hearing about your work, and the ways in which the Faculty can support cohort studies at UCL.

Biography

Professor Graham J Hart is Dean of the UCL Faculty of Population Health Sciences and Professor of Sexual Health & HIV Research. A medical sociologist, he was previously Associate Director of the MRC Social & Public Health Sciences Unit, Glasgow. Graham chairs NIHR Programme Grants for Applied Health Research, and the MRC/DfID African Research Leader Scheme. He is a Fellow of the Academy of Medical Sciences, and was elected to its Council in 2013.

1. MRC, 2014. Maximising the value of UK population cohorts: MRC Strategic Review of the Largest UK Population Cohort Studies. Available online at <http://www.mrc.ac.uk/news-events/publications/maximising-the-value-of-uk-polulation-cohorts/>

Programme

08.30 – 09.15

Registration

Light refreshments available

09.15 – 09.20

Welcome & Introduction

Professor Graham Hart

09.20 – 09.30

Aims of the symposium and overview of UCL's Cohort Expertise

Professor Aroon Hingorani

09.30 – 09.45

Experiences of maturing cohorts – Whitehall II

Professor Mika Kivimaki

09.45 – 10.00

Experiences of maturing cohorts – MRC National Survey of Health and Development (NSHD)

Professor Diana Kuh

10.00 – 10.15

Experiences of a new cohort – Life Study

Professor Carol Dezateux

10.15 – 10.30

Experiences of a clinical cohort – UK Collaborative HIV Cohort Study (UK CHIC)

Professor Caroline Sabin

10.30 – 10.45

The Cohorts and Longitudinal Studies Enhancement Resources (CLOSER) Consortium – Reflections on the first 18 months

Professor Jane Elliott

10.45 – 11.00

Experiences of cohort participants

Chair: Rosamund Yu

Cohort participants:

Simon Collins

Olive Irwin

11.00 – 11.30

Morning break and poster viewing

11.30 – 12.10

Panel discussion –

Sharing best practice, support needs, opportunities and challenges for developing and maintaining cohorts

Chair: Professor Amanda Mocroft

Panel members:

Professor Carol Dezateux

Professor Jane Elliott

Professor Diana Kuh

Professor Usha Menon

Professor Caroline Sabin

Professor Andrew Steptoe

Professor Goya Wannamethee

Professor Mika Kivimaki

Professor Eric Brunner

12.10 – 12.30

Electronic health records data

Dr Juan Pablo-Casas

12.30 – 13.30

Lunch and poster viewing

13.30 – 14.45

Cohorts Workshops

14.45 – 15.30

Feedback from workshops

Chair: Professor Aroon Hingorani

15.30 – 16.00

Afternoon break and poster viewing

16.00 – 16.45

Emerging technologies and links with translational research

Chair: Professor Aroon Hingorani

Panel Members:

Professor Stephan Beck

Professor Manuel Mayr

Dr Kevin Mills

Professor Naveed Sattar

16.45 – 17.00

What is next - Cohort Strategy Development?

Professor Aroon Hingorani

17.00 – 18.00

Networking Reception

Workshops

Workshop 1 - Data management and data sharing

Room: Leolin Price Lecture Theatre

Facilitators:

Dr Phil Curran - Head of Data Services Group, MRC Unit for Lifelong Health and Ageing, UCL, LHA Head of Data Services Group, MRC Programme Manager for Data Support Service Project

Dr Aida Sanchez - Senior Data Manager / Database Programmer, Whitehall II Study, UCL Department of Epidemiology and Public Health

Workshop 2 - Capacity building

Room: Philip Ulmann 1

Facilitators:

Professor Caroline Sabin - Director, National Institute for Health Research Health Protection Research Unit (NIHR HPRU) in Blood Borne and Sexually Transmitted Infections, UCL Department of Infection and Population Health

Professor Nishi Chaturvedi - Clinical Epidemiology (Cardiometabolic Disease), Cardiometabolic Phenotyping Group, UCL Institute of Cardiovascular Science

Workshop 3 - Cohorts as a framework for intervention trials and cohorts from trial populations

Room: June Lloyd

Facilitators:

Professor Usha Menon - Head of the Gynaecological Cancer Research Centre, UCL Institute for Women's Health

Professor Max Parmar - Director, UCL Institute of Clinical Trials and Methodology and Director, MRC Clinical Trials Unit at UCL

Workshop 4 - Harnessing electronic data

Room: Roland Lewinsky

Facilitators:

Professor Ruth Gilbert - Clinical Epidemiology, Population, Policy and Practice Programme, UCL Institute of Child Health

Dr Spiros Denaxas - UCL Research Fellow in Health Informatics, Farr Institute of Health Informatics Research and Administrative Data Research Centre - England

Workshop 5 - Enhancing cohorts with biological data

Room: Kennedy Lecture Theatre

Facilitators:

Dr Kirstin Goldring - UCL Biobank and NIHR BioResource Coordinator, NIHR University College London Hospitals Biomedical Research Centre (BRC)

Professor Christine Power - Professor in Epidemiology and Public Health, Population Policy and Practice, UCL Institute of Child Health

Speakers - 9.20-9.45am

Professor Aroon Hingorani

Chair, UCL Cohort Review
Director, UCL Institute of Cardiovascular Science



Aroon Hingorani obtained his medical degree in Oxford and London and undertook specialist training in Clinical Pharmacology and General (Internal) Medicine.

He completed a PhD in Cambridge before undertaking a period of research at UCL as British Heart Foundation Intermediate and then Senior Fellow.

He is currently UCL Chair of Genetic Epidemiology and Honorary Consultant at UCL Hospitals NHS Foundation Trust.

His research applies genomic data to help identify new drug targets for heart disease prevention and treatment. Together with colleagues he runs a specialist blood pressure clinic and looks after patients with cardiovascular and general medical problems.

He has been the Director of the UCL Institute of Cardiovascular Science since 2011.

Professor Mika Kivimaki

Director, Whitehall II Study
Professor of Social Epidemiology
UCL Research Department of Epidemiology and Public Health



Mika Kivimaki is the Director of the Whitehall II study, a cohort study of 10,308 British civil servants who have been followed up with clinical examinations every five years since 1985. Mika is also the Principal Investigator of the Individual-Participant-Data Meta-analysis in Working Populations (IPD-Work) Consortium of 17 European cohort studies.

The overarching aim of Whitehall II and IPD-Work is to examine adulthood risk factors for common chronic conditions, such as cardiovascular diseases, type 2 diabetes and depression.

Speakers - 9.45-10.30am

Professor Diana Kuh

Director, MRC Unit for Lifelong Health and Ageing, UCL
Professor of Life Course Epidemiology,
UCL Institute of Epidemiology and Health Care



Diana Kuh is the Director of the MRC Unit for Lifelong Health and Ageing at UCL, and the MRC National Survey of Health and Development, the oldest of the British birth cohort studies that has followed up over 5000 individuals since their birth in March 1946. Diana is also the Principal Investigator of the Healthy Ageing across the Life Course (HALCyon) network and Co-Director of a new NIH-funded programme on the Integrative Analysis of Longitudinal Studies of Ageing (IALSA) that bring together cohort studies to investigate lifetime influences on ageing.

Professor Carol Dezateux

Scientific Director, Life Study,
Professor of Paediatric Epidemiology
Population, Policy and Practice Programme
UCL Institute of Child Health



Carol Dezateux is the Scientific Director and Principal Investigator of the Life Study, a new UK birth cohort study which will chart the early lives of over 80,000 babies and their parents across the UK. Unlike most other studies, Life Study will start in pregnancy, creating an exciting new opportunity to understand how babies grow and develop from as early as possible. It is also the largest study of its kind so far, which means that we will be able to answer some research questions, which have not been addressed before now using smaller studies.

Professor Caroline Sabin

Director, NIHR Health Protection Research Unit in Blood Borne and Sexually Transmitted Infections,
UCL Department of Infection and Population Health



Caroline Sabin has worked for many years on the analysis of large observational HIV databases with a particular interest in raising awareness of the biases inherent in these databases; her research interests focus on describing responses to antiretroviral therapy (ART) and the factors associated with ART-related adverse effects. She is the Principal Investigator on the UK CHIC Study, a large UK-based cohort of >50,000 people with HIV, the Principal Statistician on the Data collection on Adverse events of anti-HIV Drugs (D:A:D) study, Co-Principal Investigator on the Pharmacokinetic and clinical Observations in PeoPle over fifty (POPPY) Study, and works with many other research groups. She is the joint editor of HIV Clinical Trials and an Editorial Committee member for six major international journals. Caroline is a member of the scientific leadership group for the EU-funded EuroCoord Network of Excellence.

Speaker - 10.30-10.45am

Professor Jane Elliott

Head, Department of Quantitative Social Sciences
Institute of Education
Director of the Centre for Longitudinal Studies & Cohorts and
Longitudinal Studies Enhancement Resources (CLOSER)



Jane Elliott is Professor of Sociology, and Head of the Department of Quantitative Social Sciences, at the Institute of Education, University of London. She is also Director of the ESRC-funded Centre for Longitudinal Studies (CLS) which manages the 1958, 1970 and Millennium Birth Cohort studies, and has recently taken responsibility for the Longitudinal Study of Young People in England. In 2012, Jane became the founding Director of the Cohorts and Longitudinal Studies Enhancement Resources (CLOSER) programme. This collaboration between nine studies aims to maximise the use, value and impact of the excellent portfolio of cohort and longitudinal studies in the UK.

Jane's main research interests include gender and employment, healthy ageing, combining qualitative and quantitative research and narrative.

Cohort participants' session - 10.45-11am

Dr Rosamund Yu

PPI and Communications Manager
UCL Joint Research Office

Rosamund Yu develops active patient and public involvement (PPI) in biomedical research across UCLH and UCL and raises the profile of research. She works closely with patients, the public, researchers and the media. Dr Yu is primarily based in the National Institute for Health Research University College London Hospitals Biomedical Research Centre.



Olive Irwin

Olive is a participant in the MRC National Survey of Health and Development 1946 (NSHD), run by the MRC Unit for Lifelong Health and Ageing at UCL.



Simon Collins

Simon is co-founder of HIV i-Base, and participates in several cohorts studies, including:
D:A:D (Data collection on Adverse events of Anti-HIV Drugs)
UK HIV Drug Resistance Database
UK Register of Seroconverters.



Panel discussion - 11.30am-12.10pm

Chair:

Professor Amanda Mocroft

HIV Epidemiology and Biostatistics Unit
Department of Infection and Population Health
UCL Institute of Epidemiology and Health Care

Amanda has worked in HIV epidemiology and biostatistics at UCL since 1993. Particular interests include cohort studies and long term outcomes of HIV-infection, including mortality and non-AIDS defining events, such as renal disease and malignancies. Amanda is the Co-Principal Investigator of EuroSIDA, one of the largest multinational European cohorts of HIV infected persons, and is also involved in numerous other cohort studies, including Data on Adverse Events (D:A:D), Antiretroviral Therapy Cohort (ART-CC), COHERE and MATCH. Amanda has extensive experience with data collection, design and analyses of cohort studies, and nested case control studies using sample repositories and has over 200 publications.

Panel members:

Professor Eric Brunner

Professor of Social and Biological Epidemiology
Co-director, Whitehall II Study and MSc Health and Society
Social Epidemiology, UCL Department of Epidemiology and Public Health



Eric did his research training in the Obstetric Unit, St Marys Hospital Medical School and Department of Paediatric Gastroenterology, Institute of Child Health. He completed his PhD in Epidemiology in 1994 at UCL. He is now Principal Investigator of the Whitehall II Study BHF Programme Grant 'Vascular risk and functional decline in old age' (2013-2017).

Professor Usha Menon

Head of the Gynaecological Cancer Research Centre
UCL Institute for Women's Health



The focus of Professor Menon's research is risk prediction, screening and early detection of cancer particularly gynaecological malignancies. She is Senior Investigator on the UK ovarian cancer screening trials including Co-Principal Investigator on the UK Collaborative Trial of Ovarian Cancer Screening - a randomised control trial of 202,000 women with mortality as the end. She is a founding member of the Ovarian Cancer Association Consortium investigating genetic and epidemiological risk factors for ovarian cancer and has numerous international collaborations on cancer biomarker discovery and validation. Of recent, she has extended her research interests to include similar work in India at Tata Medical Center, Kolkata. Her main clinical interest is management of women at risk of familial gynaecological cancer.

Panel discussion - 11.30am-12.10pm

Professor Andrew Steptoe

Director, UCL Institute of Epidemiology and Health Care
British Heart Foundation Professor of Psychology
Director, Psychobiology Group at UCL
PI of the English Longitudinal Study of Ageing (ELSA)



Andrew Steptoe is Director of UCL Institute of Epidemiology and Health Care, where he is also British Heart Foundation Professor of Psychology. He was professor and chair of the Department of Psychology at St. George's Hospital Medical School before moving to UCL in 2000. He is a past-president of the International Society of Behavioral Medicine, and was founding editor of the British Journal of Health Psychology. He is also a Fellow of the Academy of Medical Sciences. His main research interests are in psychosocial aspects of health, health behaviour, ageing, and psychobiology. He directs the Psychobiology Group at UCL and is also PI of the English Longitudinal Study of Ageing (ELSA), a large population study of older men and women living in England.

Professor Goya Wannamethee

Professor of Epidemiology
UCL Department of Primary Care and Population Health



Professor Wannamethee is Co-Director of the British Regional Heart Study (BRHS) a large UK prospective study of cardiovascular disease (CVD). She received an MSc degree in Applied Statistics from the University of Oxford and obtained her PhD degree in Epidemiology at the Royal Free Medical School (now UCL). Her research focuses on the prediction and prevention of CVD and diabetes. Her primary interest is on investigating biomarkers of CVD, modifiable lifestyle factors (alcohol, physical activity, obesity, smoking, dietary factors) and on pathways linking these factors to CVD and diabetes. She is a joint leading Investigator on a five year British Heart Foundation programme grant looking at pathways to prevention of CVD and was the Principal Investigator on the 30 year re-examination study of the surviving BRHS men when aged 72-91 years which involved conducting a detailed cardiovascular assessment of the men.

Professor Carol Dezateux (see page 7)

Professor Jane Elliott (see page 8)

Professor Mika Kivimaki (see page 6)

Professor Diana Kuh (see page 7)

Professor Caroline Sabin (see page 7)

Speaker - 12.10-12.30pm

Dr Juan Pablo-Casas

Reader in Genetic Epidemiology, UCL Institute of Cardiovascular Science,
Co-Director of the British Women's Heart & Health Study,
London School of Hygiene & Tropical Medicine

Dr Pablo-Casas qualified in Medicine in 1999 and continues to train in cardiovascular science. Juan initially worked as a Clinical Research Fellow in the UCL Centre for Clinical Pharmacology. He joined LSHTM in April 2005. Since April 2009 Juan has split his time between the LSTHM and UCL. At LSTHM he works as Co-Director of the British Women's Heart & Health Study and Deputy Co-ordinator Editor of the Cochrane Heart Group. At UCL, he works as a Reader in Genetic Epidemiology at the Institute of Cardiovascular Science.

Juan's major interest is in disease aetiology in non-communicable disease with focus on cardiovascular disease and preeclampsia. For this, he makes use of large-scale observational cohort studies.

Workshops - 1.30-2.45pm

Workshop 1 – Data management and data sharing

Dr Phil Curran

Head of Data Services Group,
MRC Unit for Lifelong Health and Ageing UCL
LHA Head of Data Services Group
MRC Programme Manager for Data Support Service Project



Phil Curran is a computer scientist who has worked developing knowledge based systems for the Oil and Gas Industry and data processing for Research and Education before joining the MRC Lifelong Health & Ageing Unit at UCL (LHA). In addition to his role at the LHA he is a member of the CLOSER Technical Committee and also Programme Manager responsible for the MRC Research Data Gateway Project.

Dr Aida Sanchez

Senior Data Manager / Database Programmer, Whitehall II Study
UCL Department of Epidemiology and Public Health



Aida Sanchez is the Data Manager on the Whitehall II Study at the UCL Department of Epidemiology and Public Health. She obtained a PhD in Computational Chemistry from the University of Malaga (Spain) in 1996, followed by two years as a postdoctoral fellow at the Computational Photochemistry Group of King's College London. Since 2000, she has worked as an Oracle database programmer in several organisations, including the Institute of Cancer Research and UCL Information Systems Division. In October 2006, Dr Sanchez joined the Whitehall II team to take responsibility for managing the data used by the researchers and their collaborators.

Workshops - 1.30-2.45pm

Workshop 2 – Capacity building

Professor Caroline Sabin (see page 7)

Director, NIHR HPRU in Blood Borne and Sexually Transmitted Infections,
UCL Department of Infection and Population Health

Professor Nishi Chaturvedi

Clinical Epidemiology (Cardiometabolic Disease)
Cardiometabolic Phenotyping Group
UCL Institute of Cardiovascular Science

Workshop 3 – Cohorts as a framework for intervention trials and cohorts from trial populations

Professor Usha Menon (see page 9)

Head of the Gynaecological Cancer Research Centre,
UCL Institute for Women's Health

Professor Max Parmar

Director, MRC Clinical Trials Unit, UCL
Director, UCL Institute of Clinical Trials and Methodology

Mahesh Parmar is a Professor of Medical Statistics and Epidemiology and Director of the MRC Clinical Trials Unit and the UCL Institute of Clinical Trials and Methodology.



He has been an Associate Director of the National Cancer Research Network since 2001, which has more than doubled the number of patients going into cancer studies in England. Max joined the MRC in 1987.

He has more than 200 publications in peer-reviewed journals, many of which have had direct impact on policy, clinical practice and improving outcomes for patients.

Workshops - 1.30-2.45pm

Workshop 4 – Harnessing electronic data

Professor Ruth Gilbert

Clinical Epidemiology, Population, Policy and Practice Programme
UCL Institute of Child Health



Ruth Gilbert trained as a paediatrician and epidemiologist. She leads the Healthcare Provision theme of the Children's Policy Research Unit, funded by the Department of Health, which includes studies on healthcare use by children exposed to maltreatment and other forms of adversity in the UK and elsewhere. Much of her research uses administrative data and she leads the maternal and child health theme for the Farr Institute of Health Informatics Research – London and is deputy director for the Administrative Data Research Centre – England.

Dr Spiros Denaxas

UCL Research Fellow in Health Informatics
Farr Institute of Health Informatics Research, and Administrative
Data Research Centre - England



Dr Denaxas is the lead on National Health Data Lab in the Farr and the Bloomsbury infrastructure efforts for the Administrative Data Research Centre - England.

Dr Denaxas' main research focus is on the methodological challenges of defining disease and risk factor phenotypes in national linked electronic health records. Current work focuses on CALIBER (linked primary-secondary-death-disease registry data in 2 million adults) and the UK Biobank Coronary Outcomes Group.

Workshop 5 – Enhancing cohorts with biological data

Dr Kirstin Goldring,

UCL Biobank and NIHR BioResource Coordinator
NIHR University College London Hospitals BRC



Dr Goldring graduated in Physiology and Pharmacology (BSc) and completed her PhD on asthma research at Southampton University. She carried out Post-Doctoral research into Muscular Dystrophy at King's College and Imperial College, before managing the UK Parkinson's Disease Society Tissue Bank at Imperial College from 2002 to 2009. Dr Goldring joined UCL in 2009 as the Biobank facilitator. The role has involved in developing biobank infrastructure and support, and providing advice on protocols, ethics and regulations for use of human samples. Since 2012, the role expanded to coordinate the UCL BioResource, aiming to develop a panel of healthy volunteers and patients consent for recall to future research studies.

Workshops - 1.30-2.45pm

Professor Christine Power

Professor in Epidemiology and Public Health
Population Policy and Practice Programme
UCL Institute of Child Health (ICH)



Professor Power works within the UK Public Health Research Consortium (strengthening the evidence for interventions to improve health and reduce socioeconomic inequalities), NIA Reversibility network and many other collaborations / consortia. She is a major contributor to the design and content of the 1958 birth cohort, with major input to the study as Principal Investigator for a mid-life biomedical assessment (MRC-funded) from which a national biological resource (including DNA) has been established.

Speakers - 4.00-4.45pm

Professor Stephan Beck

Professor of Medical Genomics, Director, PGP-UK
UCL Cancer Institute



Stephan Beck is Professor of Medical Genomics at the UCL Cancer Institute. He received his PhD from the University of Konstanz where he studied DNA structure. After appointments at the MRC Laboratory of Molecular Biology in Cambridge, Millipore Corporation in Boston and the Imperial Cancer Research Fund in London, he joined the Wellcome Trust Sanger Institute in 1996. During his tenure as Head of Human Sequencing, he played a leading role in the sequencing and analysis of the human, mouse and zebrafish genomes. Since joining UCL in 2007, his laboratory has pioneered array- and sequencing-based approaches for epigenome-wide association studies (EWAS) in cancer and other common diseases to advance translational, regenerative and personalised medicine.

Professor Manuel Mayr

British Heart Foundation Senior Fellow
Cardiovascular Proteomics, King's College London (KCL)



Manuel Mayr qualified in Medicine from the University of Innsbruck (Austria) in 1999. In 2001, he moved to London to undertake a PhD, on the topic of 'Cardiovascular Proteomics: Linking Proteomic and Metabolomic Changes'. He obtained a BHF Intermediate Research Fellowship in 2005 and was appointed as Lecturer at KCL in 2006. In 2008, he obtained a BHF Senior Research Fellowship, which was recently renewed for a second term. His academic achievements have been recognised by the inaugural Michael Davies Early Career Award of the British Cardiovascular Society (2007), the inaugural Bernard and Joan Marshall Research Excellence Prize of the British Society for Cardiovascular Research (2010), and the Outstanding Achievement Award by the European Society of Cardiology Council for Basic Cardiovascular Science (2013).

Speakers - 4.00-4.45pm

Dr Kevin Mills

Senior Lecturer, ICH - Clinical & Molecular Genetics
UCL Department of Genes, Development and Disease



Kevin Mills heads the Biological Mass Spectrometry at UCL Institute of Child Health, which studies the elucidation of disease mechanisms in rare and neurological diseases.

Kevin is a senior lecturer at UCL and an honorary clinical scientist at Great Ormond Street Hospital where he works very closely with the inborn errors of metabolism unit. He also works very closely on large biomarker projects in neurodegenerative and cardiovascular diseases.

Professor Naveed Sattar

Metabolic Medicine, Institute of Cardiovascular and Medical Sciences
University of Glasgow

Naveed Sattar graduated in medicine in 1990 from the University of Glasgow and became Professor of Metabolic Medicine in 2005. He trained in an internationally renowned lipid centre, responsible for WOSCOPS, and developed his first research experience in the lipid area.

He has since published extensively in CVD biomarker, and diabetes-related research including work on obesity and related complications. As a result of such work, he has accumulated considerable epidemiological and risk factor expertise, spanning several pathways. He has received national and international awards for his research and research impact, including the 2011 Minkowski prize awarded by the European Association for Study of Diabetes. He also has major experience in the CVD-inflammation arena with particular expertise in vascular risk factors in rheumatoid arthritis.

He leads a large biomarker group, mentors several junior colleagues and collaborates widely with groups in the UK and internationally. He is also involved in several clinical trials in areas covering diabetes, obesity, and CVD risk and contributes to clinical care and to guidelines in all of the above areas.

He has published over 350 papers (H-Factor>50), is an associate editor for Diabetologia and has been invited to speak at numerous international meetings including the ADA, EASD, IDF, Endo Soc, EULAR, ACR, ESC, and AHA.

Cohorts at UCL

UCL curates or takes a leadership role in the following large cohorts:

POPULATION COHORTS

British Cohort Study 1970 – Dr Mark Hamer & Dr Alice Sullivan (IoE)

[www.cls.ioe.ac.uk/page.aspx?&siteid=795&siteidtitle=Welcome+to+the+1970+British+Cohort+Study+\(BCS70\)](http://www.cls.ioe.ac.uk/page.aspx?&siteid=795&siteidtitle=Welcome+to+the+1970+British+Cohort+Study+(BCS70))

British Regional Heart Study – Professor Richard Morris, Professor Goya Wannamethee & Professor Peter Whincup (St Georges)

www.ucl.ac.uk/ccph/research-groups-themes/brhs-pub

British Women's Heart and Health Study – Dr Juan Pablo-Casas

www.lshtm.ac.uk/eph/ncde/research/bwhhs/

English Longitudinal Study of Ageing (ELSA) – Professor Andrew Steptoe

www.elsa-project.ac.uk/

Gemini: Health and Development in Twins – Professor Jane Wardle

www.geministudy.co.uk/

Health, Alcohol and Psychosocial factors in Eastern Europe (HAPIEE) Study – Professor Martin Bobak

www.ucl.ac.uk/easteurope/hapiee.html

Life Study – Professor Carol Dezateux

www.lifestudy.ac.uk/

Millennium Cohort Study – Professor Carol Dezateux

www.cls.ioe.ac.uk/page.aspx?&siteid=851&siteidtitle=Welcome+to+the+Millennium+Cohort+Study

National Child Development Study (1958) –

Professor Chris Power, Professor Elina Hyponnen & Professor Alissa Goodman (IoE)

www.cls.ioe.ac.uk/page.aspx?&siteid=724&siteidtitle=National+Child+Development+Study

National Survey of Health & Development (1946) – Professor Diana Kuh

www.nshd.mrc.ac.uk/nshd_65.aspx

Northwick Park Heart Study – Professor Steve Humphries

ONS Longitudinal Study – Dr Nicola Shelton

<http://www.ucl.ac.uk/celsius/about-the-ls>

Southall and Brent Revisited (SABRE) – Professor Nishi Chaturvedi

<http://www.sabrestudy.org/?cat=11>

Whitehall II (Stress and Health Study) – Professor Mika Kivimaki

www.ucl.ac.uk/whitehallII

Cohorts at UCL

CLINICAL COHORTS

AALPHI: Adolescents and Adults Living with Perinatal HIV Cohort – Dr Ali Judd
www.ctu.mrc.ac.uk/research_areas/study_details.aspx?s=258

Antiretrovirals, Sexual Transmission Risk and Attitudes (ASTRA) – Dr Fiona Lampe
www.astra-study.org/

Bariatric Cohort – Dr Rachel Batterham

Clinical Cohorts in Coronary disease Collaboration (4C) – Professor Harry Hemingway
www.ucl.ac.uk/cardiovascular/research/preventions-outcomes/clinical-epidemiology-cardiovascular-disease/accordian-files/clinical_cohorts_coronary_disease_collaboration

Concerted Action on SeroConversion in AIDS and Death in Europe (CASCADE) – Professor Kholoud Porter
www.ctu.mrc.ac.uk/cascade/

Collaborative HIV Paediatric Study (CHIPS) – Dr Ali Judd
www.chipscohort.ac.uk/default.asp

Collaborative Trial of Ovarian Cancer Screening (UKCTOCS) – Professor Usha Menon
www.instituteforwomenshealth.ucl.ac.uk/womens-cancer/qcgc/ukctocs

Data Collective on Adverse Events of Anti-HIV Drugs (D:A:D) – Professor Caroline Sabin & Professor Andrew Phillips
www.ucl.ac.uk/iph/research/hivbiostatistics/dad

European Pregnancy and Paediatric HIV Cohort Collaboration (EPPICC) – Dr Claire Thorne
<http://www.penta-id.org/hiv/eppicc-studies.html>

EPICure: Population based studies of survival and later health status in extremely premature infants – Professor Neil Marlow
www.epicure.ac.uk/

EuroSIDA – Professor Amanda Mocroft
www.ucl.ac.uk/iph/research/hivbiostatistics/eurosidea

European Collaborative Study – Dr Claire Thorne
www.eurocoord.net

Hypertrophic Cardiomyopathy Outcomes (HCMO) – Professor Perry Elliott

Italian Cohort of Antiretroviral Naïve Patients (ICONA) – Dr Alessandro Cozzi-Lepri
www.ucl.ac.uk/iph/research/hivbiostatistics/icona

Management of Post-Transplant Infections in Collaborating Hospitals (MATCH) – Professor Amanda Mocroft
www.cphiv.dk/MATCH

National Study of HIV in Pregnancy and Childhood (NSHPC) – Professor Pat Tookey
www.ucl.ac.uk/silva/nshpc

Cohorts at UCL

National Institute for Cardiovascular Outcomes Research (NICOR) Registries –

Professor John Deanfield

www.ucl.ac.uk/nicor

A Prospective, Observational Study to Examine the Effects of Ageing on the 'Pharmacokinetic and Clinical Observations in People Over Fifty' (POPPY) –

Professor Caroline Sabin

<http://clinicaltrials.gov/show/NCT01737047>

Prognostic value of Interferon Gamma Release Assays (IGRA) in predicting active TB among individuals with (or at risk of) latent TB infection (PREDICT) –

Professor Ibrahim Abubakar

<http://public.ukcrn.org.uk/search/StudyDetail.aspx?StudyID=8489>

Royal Free Hospital Cohort – Dr Fiona Lampe & Dr Colette Smith

www.ucl.ac.uk/iph/research/hivbiostatistics/hospitalcohort

TB: HIV – Professor Amanda Mocroft

www.cphiv.dk/TBHIV

Thrombosis Prevention Trial – Professor Steve Humphries

UK Collaborative HIV Study (UK CHIC) –

Professor Caroline Sabin & Professor Andrew Phillips

www.ukchic.org.uk/

UK Seroconvertors Register – Professor Kholoud Porter

www.ctu.mrc.ac.uk/research_areas/study_details.aspx?s=42

Ukraine Paediatric HIV Cohort Study – Dr Claire Thorne

www.ucl.ac.uk/ich/research-ich/mrc-cech/research/studies/HIV-ukraine-paediatric

ELECTRONIC HEALTH RECORDS DATA

CALIBER – Professor Harry Hemingway

www.caliberresearch.org/

UK HIV Resistance Database – Professor David Dunn

www.ctu.mrc.ac.uk/hivrdb/public/default.asp

This list is a work in progress so please contact Sarah Welsher (s.welsher@ucl.ac.uk) if you lead a population or clinical cohort study with more than 1000 participants / patients that you think should be included in this list.

UCL has also developed a comprehensive rare disease database, which will be available shortly at www.ucl.ac.uk/research/domains/personalised-medicine/research/themes/rare-diseases.

Poster exhibition

1. Psychological changes following weight loss in a population-based sample of overweight & obese older adults - Jackson SE, Steptoe A, Beeken RJ, Kivimaki M, Wardle J

Sarah Jackson – s.e.jackson@ucl.ac.uk

2. Neurodevelopmental pathways are associated with changes in physical capability in early old age - Cooper R, Muniz-Terrera G, Kuh D

Rachel Cooper – rachel.cooper@ucl.ac.uk

3. Use of the Health Survey for England in government policy making and monitoring -

Oyebode O, Mindell JS

Jenny Mindell – j.mindell@ucl.ac.uk

4. Ethnicity, diabetes and cardiovascular disease. Southall and Brent revisited - the SABRE study - Tillin T, McGowan A, Coady E, Hughes AD, Chaturvedi N

Emma Coady - e.coady@ucl.ac.uk

5. Gemini Study: Health and Development in Twins - Llewellyn CH, Fisher A, Syrad H, McDonald L, Wardle J

Clare Llewellyn – c.llewellyn@ucl.ac.uk

6. Life Study - Dezateux C, Colson D

Carol Dezateux – c.dezateux@ucl.ac.uk

7. The Life Study: a UK-wide birth cohort study of environment, development, health and well-being - Dezateux C, Brocklehurst P, Burgess S, Burton P, Carey A, Colson D, Dibben C, Elliott P, Emond A, Goldstein H, Graham H, Kelly F, Knowles R, Leon D, Lyons R, Reay D, Vignoles A, Walton S

Carol Dezateux – c.dezateux@ucl.ac.uk

8. Infection and Immunity from a life course perspective: a new 'enhancement' to Life Study - N Field, CL Townsend, AJ Rodger, TD Lawley, EM Riley, P Brocklehurst, on behalf of the Infection & Immunity enhancement group

Nigel Field – nigel.field@ucl.ac.uk

9. Visual impairment and health inequalities: findings from UK Biobank (UKBB) - Cumberland

PM, Foster P, Khaw PT, Hammond C, Hysi P, Bao Y, Rahi JS

Phillippa Cumberland – p.cumberland@ucl.ac.uk

10. Laboratory defined toxicities when starting combination antiretroviral therapy (cART) at high CD4 counts: the UK Collaborative HIV Cohort (CHIC) study - Jose S, Fidler S, Sabin C

Alicia Thornton – a.thornton.11@ucl.ac.uk

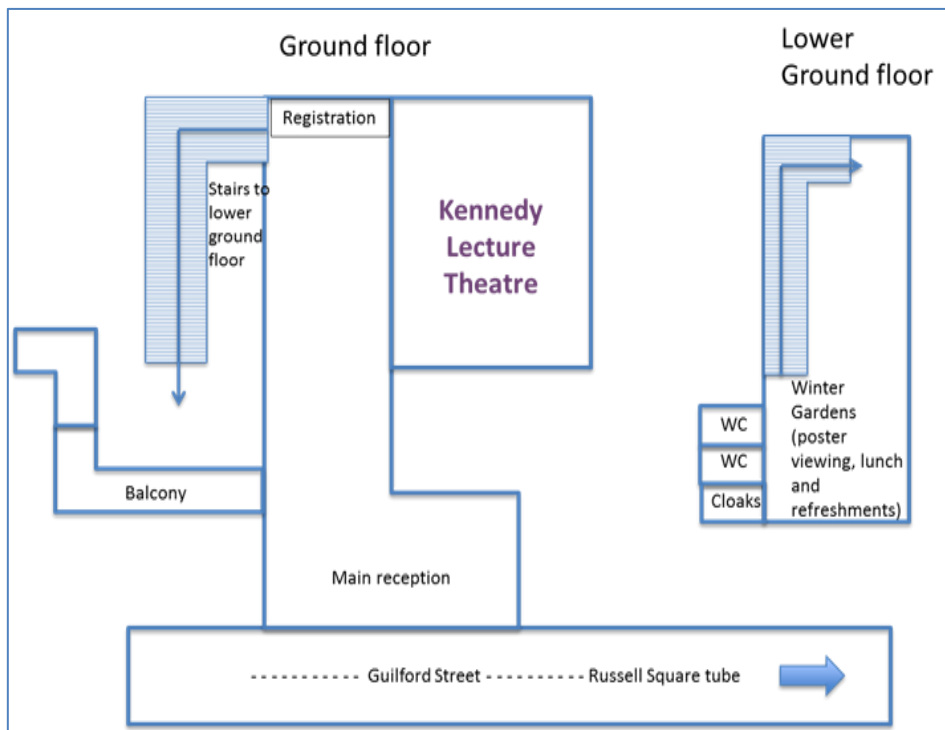
11. Retention in clinical care among men with HIV in the UK Collaborative HIV Cohort (CHIC) Study - Sethi G, Edwards S, Anderson J, Sabin C for the UK CHIC Study

Teresa Hill – teresa.hill@ucl.ac.uk

12. Symptom profiles in community cases of PCR confirmed influenza A during seasonal and pandemic periods - results from Flu Watch - Fragaszy E, Bermingham A, Edmunds J, Harvey G, Johnson A, Kovar J, Lim MSC, McMichael A, Millett E, Nazareth I, Pebody R, Van Tam J, Watson J, Zambon M, Hayward A

Andrew Hayward – a.hayward@ucl.ac.uk

Venue information



Presentations – ICH Kennedy Lecture Theatre

Posters – ICH Balcony and Winter Garden

Lunch and refreshments – ICH Balcony and Winter Garden

Drinks reception – ICH Balcony