The David Pyke and Peter Watkins Visiting Professor Conference 2014

Professor Triantafyllos Chavakis

Chair, Department of Clinical Pathobiology, University Clinic Carl-Gustav Carus, Technische Universität Dresden

Venue:

12th November - Lecture Theatre 2, New Hunts House
13th and 14th November - Henriette Raphael Function Room

King's College London, Guy's Hospital Campus, Great Maze Pond, London SE1 9RT, UK

In collaboration with the University of Dresden and Kings College London Transcampus Programme
Organizers: Stefan Bornstein, Stephanie Amiel, Virginia Kamvisi
List of Chairmen and Speakers (in alphabetical order):

Prof. Stephanie Amiel, RD Lawrence Professor of Diabetic Medicine, King’s College London, UK
Dr. Ana Alvarez, PhD, Research Assistant, Department of Diabetes & Nutritional Sciences, King’s College London, UK
Dr. Andreas Androutselis-Theotokis, Group Leader, Medical Clinic III, University of Dresden, Member, Centre for Regenerative Therapies, Dresden (CRTD), Germany
Dr. Simon Aylwin, Consultant Endocrinologist, King’s College Hospital, London, UK
Prof. Dr. Axel Behrens, Senior Scientist, CR-UK London Research Institute, UK
Prof. Dr. med. Andreas L. Birkenfeld, Head of Metabolic & Vascular Medicine, 3rd Medical Faculty, Department of Internal Medicine, Endocrinology, Diabetes and Metabolic Diseases, University Clinic Carl Gustav Carus, TU Dresden, Germany
Prof. Ezio Bonifacio, Professor for Preclinical approaches to stem cell therapy / Diabetes, Centre for Regenerative Therapies Dresden (CRTD), Germany
Prof. Stefan R. Bornstein, Chair and Honorary Consultant, Division of Endocrinology, Diabetes and Nutritional Sciences, King’s College London and Chair of Medicine, 3rd Medical Faculty, Department of Internal Medicine, Endocrinology, Diabetes and Metabolic Diseases, University Clinic Carl Gustav Carus, Technical University of Dresden, Germany
Prof. Triantafyllos Chavakis, Chair, Department of Clinical Pathobiotechnology, University Clinic Carl-Gustav Carus, Technical University of Dresden, Germany
Dr. Pratik Choudhary, Senior Lecturer & Consultant in Diabetes, King's College London, UK
Dr. Michael Christie, Reader in Medicine, Division of Diabetes & Nutritional Sciences, King's College London, UK
Prof. Kennedy Cruickshank, Professor in Diabetes, Nutrition & Cardiovascular Medicine, King’s College London and Honorary Consultant Physician, St Thomas' Hospital, London, UK
Dr. Anne Doherty, Consultant Liaison Psychiatrist, King’s College Hospital, London, UK
Dr. Dorota Dworakowska, Locum consultant in medicine and endocrinology, Department of Medicine and Endocrinology, Kings College Hospital, London, UK, Reader in medicine and associate Professor, Department Endocrinology and Internal Medicine, Medical University of Gdansk, Gdansk, Poland
Dr. Fiona Gaughran, Lead Consultant Psychiatrist, National Psychosis Service, South London and Maudsley NHS Foundation Trust, UK
Dr. Anthony Gavalas, Research Group Leader, PLID - CRTD, Dresden, Germany
Prof. Seeromanie Harding, MRC Programme Leader - Ethnicity and Health Research Programme, MRC/CSO Social and Public Health Sciences Unit, Diabetes & Nutritional Sciences Division, King’s College London, UK
Dr. David Hopkins, Clinical Director, Ambulatory Care and Local Networks, King’s College Hospital NHS Foundation Trusts, UK
Dr. Guo Huang, Senior Lecturer, Division of Diabetes & Nutritional Sciences, King’s College London, UK
Dr. Kate Hunt, Clinical Lecturer in Diabetes and Endocrinology, King’s College London, UK
Prof. Khalida Ismail, Professor of Psychiatry and Medicine, King’s College London, Honorary Consultant Liaison Psychiatrist, King’s College Hospital, London UK
Prof. Peter Jones, Professor of Endocrine Biology, King’s College London, London, UK
Dr. Carol Kan, NovoNordisk Training Fellow and ST4 in Psychiatry, Dept of Psychological Medicine, IoPPN, London, UK
Dr. Janaka Karalliedde, Senior Lecturer and Consultant in Diabetes and Endocrinology, Cardiovascular Division, King’s College London, UK
Dr. Aileen King, PhD, Lecturer in Pharmacology, Diabetes Research Group, Division of Diabetes and Nutritional Sciences, King’s College London, UK
Prof. Karsten Kretschmer, PhD, Professor for Molecular and Cellular Immunology/Immune Regulation Technische Universität Dresden DFG-Center for Regenerative Therapies - Cluster of Excellence, Dresden, Germany
Prof. Geltrude Mingrone, Professor of Internal Medicine, Department of Internal Medicine, Catholic University of Rome, Italy and Hon. Professor of Diabetes and Metabolic Medicine, King’s College London, UK
Dr. Cynthia Mohandas, Clinical Research Fellow/Honorary SpR, Diabetes Research Group, Division of Diabetes & Nutritional Sciences, King's College London, UK
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Dr. Calum Moulton, Academic Clinical Fellow in Psychiatry, South London & Maudsley NHS Trust, UK
Prof. Mark Peakman, Professor of Clinical Immunology, Head of the Peter Gorer Department of Immunobiology, Honorary Consultant Immunologist at King's College Hospital, London UK, Theme Lead of the NIHR Biomedical Research Centre, Infection and Immunity Theme
Prof. Francesco Rubino, Chair of Metabolic & Bariatric Surgery, King's College London, UK
Prof. Dr. med. habil. Peter Schwarz, Professor of Internal Medicine, Head of the Department of Prevention and Care of Diabetes at the Technical University of Dresden, Germany
Dr. Piya Sen Gupta, ABCD Research Fellow, King's College London and City Hospital, Birmingham, UK
Prof. Michele Solimena, Speaker, Paul Langerhans Institute Dresden, German Centre for Diabetes Research (DZD), Dresden, Germany
Dr. Stephan Speier, Group Leader, Islet Cell Regeneration, Technical University of Dresden, DFG-Center for Regenerative Therapies Dresden, Cluster of Excellence, Paul Langerhans Institute Dresden, 01307 Dresden, Germany
Dipl. Ing. Anja Steffen, post-doctoral fellow at The Islet Transplantation Unit, Department of Medicine III, University Hospital Carl Gustav Carus, Technical University of Dresden and Centre for Diabetes Research, Paul Langerhans Institute Dresden, Germany
Dr. Timothy Tree, Senior Lecturer, Peter Gorer Department of Immunobiology Programme of Infection and Immunity, King's College Faculty of Life Sciences & Medicine, London, UK

SESSION OVERVIEW

Session 1: Diabetes Type 1 and 2, Clinic and Prevention (12.11.14)
   - Chair: Prof. Stephanie Amiel & Prof. Stefan Bornstein

Session 2: Metabolic Surgery, Diabetes Type 2 and Hormones (13.11.14)
   - Chair: Prof. Francesco Rubino & Prof. Geltrude Mingrone

Session 3: Diabetes and Mental Health (13.11.14)
   - Chair: Prof. Khalida Ismail & Prof. Stefan Bornstein

Session 4: Islet Immunology (13.11.14)
   - Chair: Prof. Mark Peakman & Prof. Ezio Bonifacio

Session 5: Endocrinology (13.11.14)
   - Chair: Prof. Stephanie Amiel & Prof. Stefan Bornstein

Session 6: Islet Transplantation (14.11.14)
   - Chair: Prof. Peter Jones & Prof. Stephanie Amiel
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DAY 1- Wednesday 12\textsuperscript{TH} November

Location: Lecture Theatre 2, New Hunt House, Guy’s Campus

14.00 – 14.05 Welcome by Prof Stephanie Amiel and Prof. Stefan Bornstein
14.05 – 14.15 Prof. Stefan Bornstein, “Perspectives for Diabetes Research at King’s”

Session 1: Diabetes Type 1 and 2, Clinic and Prevention

Chair: Prof. Stephanie Amiel & Prof. Stefan Bornstein

Part one: Experimental medicine: Diabetes in South East London

14.15 – 14.35 Dr. Pratik Choudhary, “Understanding hypoglycaemia unawareness: the key to effective therapeutic strategies”
14.35 – 14.50 Prof Stephanie Amiel and Prof Khalida Ismail, “The SOUL-D study: an update”
14.50 – 15.05 Dr. Cynthia Mohandas, “SOUL-DeEP: the impact of West African ancestry on the type 2 diabetes phenotype”
15.05 – 15.20 Dr. Seeromani Harding, “The MRC ’DASH’ study: early obesity, diabetes & vascular risk in multi-ethnic London school-children, now young adults”
15.20 – 15.35 Dr. David Hopkins, “Impact of social deprivation on uptake of diabetes care and outcomes in type 1 diabetes; lessons from the i3 data project”

15.35 – 16.00 Coffee break

Part two: Type 2 Diabetes, Risk Management

16.00 – 16.15 Prof. Peter Schwarz, “Diabetes prevention - how to implement in disease management”
16.15 – 16.30 Prof. Kennedy Cruickshank, “Is T2 diabetes ‘diabetes’ as understood? Metabolic & vascular disturbances prior to hyperglycaemia”

Special contribution from the Department of Cardiovascular Medicine:


16.45 – 17.00 Group photograph
17.00 – 18.00 Wine and cheese reception
Day 2, Thursday November 13th

Location: Henriette Raphael Function Room, Guy’s Campus

08.30 – 09.00  Arrival and coffee

Session 2: Metabolic Surgery, Diabetes Type 2 and Hormones

Chair: Prof. Francesco Rubino & Prof. Geltrude Mingrone

09.00 – 09.15  Prof. Francesco Rubino, “Surgical treatment of type 2 diabetes: from heretical suggestion to accepted treatment option”

09.15 – 09.30  Prof. Geltrude Mingrone, “Determinants of diabetes remission and glycemic control after bariatric surgery”

09.30 – 09.45  Dr. Kate Hunt, “The brain’s response to food ingestion after Roux-en-Y gastric bypass”

09.45 – 10.00  Dr. Piya Sen Gupta: “The interaction between duodenal exclusion and GLP-receptor agonist therapy”

10.00 – 10.15  Prof. Andreas Birkenfeld, “The Role of INDY in the Regulation of Metabolism and Life Span”

10.20 – 10.45  Coffee break

Session 3: Diabetes and Mental Health

Chair: Prof. Khalida Ismail & Prof. Stefan Bornstein

10.45 – 11.00  Dr. Carol Kan, "In search of GODD or the Genetic Overlap between Depression and T2D"

11.00 – 11.15  Dr. Calum Moulton, “Inflammation: a novel target for treating depression in type 2 diabetes?”

11.15 – 11.30  Dr. Anne Doherty, "Translating epidemiology into service innovation: 3 Dimensions For Diabetes (3DFD)"

11.30 – 11.45  Dr. David Hopkins & Dr Fiona Gaughran, “The prevalence of diabetes and metabolic syndrome in severe mental illness”

12.00 – 12.45  Lunch for all presenters and chairmen of the day

12.45 – 13.30  Poster session (Henriette Raphael Boardroom)
Session 4: Islet Immunology

Chair: Prof. Mark Peakman & Prof. Ezio Bonifacio

14.40 – 14.50 Dr. Timothy Tree, “Measuring and Manipulating Immune Regulation in T1DM”
14.50 – 15.05 Prof. Mark Peakman, “Antigen-specific immunotherapy for Type 1 diabetes”

15.05 – 15.25 Coffee Break

Session 5: Endocrinology

15.30 – 15.45 Dr. Simon Aylwin, “Multimodal management of advanced Adrenocortical cancer – the King’s College experience”
15.45 – 16.00 Dr. Dorota Dworakowska, “Adrenocortical cancer: can we improve patient's outcome?”

16.00 – 17.00 Keynote Speaker Prof. Triantafyllos Chavakis:

Part 1: Mechanisms of vascular inflammation

18.00 – 19.00 Reception*
19.00 – 22.00 Dinner* for guests and speakers at:

The London Bridge Hotel

“The Londinium Restaurant”, lower ground floor
8-18 London Bridge Street
London SE1 9SG UK

*(Reception & Dinner by invitation only. Directions provided on the last page)
Day 3, Friday November 14th

Location: Henriette Raphael Function Room, Guy’s Campus

08.30 – 08.45  Arrival and coffee

08.45 – 09.15  Keynote Speaker Prof. Triantafyllos Chavakis:

*Part 2: Inflammation in metabolic disease*

Session 6: Islet Science

Chair: Prof. Peter Jones & Prof. Stephanie Amiel

Part One: Islet transplantation

09.15 – 09.30  Anja Steffen, “Allotransplantation of human islets of Langerhans without immunosuppression”

09.30 – 09.45  Prof. Peter Jones, “Kisspeptin – a novel placental incretin?”

09.45 – 10.00  Dr. Aileen King, “Experimental strategies for improving islet transplantation”

10.00 – 10.15  Dr. Guo Huang, “Human islet transplantation and endothelial cells”

10.20 – 10.45  Coffee Break

Part two: Islet development and plasticity

10.45 – 11.00  Dr. Anthony Gavalas, “Aldehyde dehydrogenase activity during pancreas development is required for β cell functionality”

11.00 – 11.15  Dr. Stefan Speier, “Functional and morphological beta cell plasticity during type 1 diabetes onset and remission”

11.15 – 11.30  Dr. Andreas Theotokis, “The STAT3-Ser/Hes3 signaling axis in diabetes”

11.30 – 11.40  Dr. Ana Alvarez, “Pax4 maintain β-Cell mass in an animal model of autoimmune diabetes”

11.40 – 11.55  Dr. Axel Behrens, “Pancreatic progenitor cells, fate reprogramming, and diabetes”

11.55 – 12.00  *Closing remarks and thanks – Prof. Amiel & Prof. Bornstein*

Thank you for attending
Hotel Directions By London Underground – London Bridge Station:
Exit following the signs for Borough High Street East. Once you exit the station turn right, heading towards London Bridge. You will walk past Barclays Bank, on your right, London Bridge Post Office then turn right into London Bridge Street. The Hotel is on this street.

Hotel directions from the Guy’s Campus:
Upon exiting the Campus on St. Thomas Street (you see Starbucks® right across from you) go up the escalators right next to the Shard. At the top turn left. You will find the Hotel on your left hand side after a 2-3 min walk. The restaurant is located on the lower ground floor; at the hotel’s main entrance follow the signs “King’s College dinner reception”.