



Workshop in Diabetes Epidemiology Methods

The 17th International Diabetes Epidemiology Symposium 2022

Workshop Preliminary Program		
Thursday 1st December 2022		
19:00 – 20:30	Welcome reception with food and drinks (location to be determined)	
Friday 2nd December 2022		
8:30 – 9:00	Registration, coffee and tea	
9:00 – 9:15	Welcome	Dr. Paula Bracco
9:15 – 10:00	Ice breaker activity	Dr. Gideon Meyerowitz-Katz
10:00 – 10:15	Coffee and tea break	
10:15 – 12:00	Interactive Session One	
	<ul style="list-style-type: none"> Stream one “Epidemiological study designs” 	Dr. Jessica Harding Professor Dianna Magliano
	<ul style="list-style-type: none"> Stream two “Evaluation of intervention effectiveness using quasi-experimental designs – Concepts & Theory” 	Dr. Michael Laxy Dr. Michael Hanselmann Dr. Anna-Janina Stephan
12:00 – 12:45	Lunch	
12:45 – 13:15	Quiz	Dr. Ghazal Fazli
13:15 – 15:00	Interactive Session Two	
	<ul style="list-style-type: none"> Stream one “Data management for epidemiological analysis in R” 	Mr. Bendix Carstensen Dr. Paula Bracco
	<ul style="list-style-type: none"> Stream two “Evaluation of intervention effectiveness using quasi-experimental designs – Applied Examples in R” 	Dr. Michael Laxy Dr. Michael Hanselmann Dr. Anna-Janina Stephan
15:00 – 15:15	Coffee and tea break	
15:15 – 17:00	Career panel	Dr. Matthew Hare Dr. Heena Akbar
17:00 – 17:15	Close	
		Dr. Paula Bracco

Venue: Crowne Plaza Porto, Porto, Portugal

(<https://www.ihg.com/crowneplaza/hotels/gb/en/porto/opocp/hoteldetail/>)

Workshop Speakers

The 17th International Diabetes Epidemiology Symposium 2022



Dr. Jessica Harding

Jessica Harding, PhD, BBioMedSci(Hons), is an Assistant Professor in the Division of Transplantation at Emory University. She completed her PhD at the Baker Heart and Diabetes Institute, Melbourne Australia in 2016. Dr Harding's PhD explored associations between diabetes (type 1 and 2) and site-specific cancers utilizing Australia's national diabetes, cancer and death registries. This work led to several publications in high impact journals and Dr Harding was awarded the Paul Korner award for the top PhD student in her year. Since completing her PhD, Dr Harding has worked as an epidemiologist in both academic and government settings in Australia and the US. Since 2017, Dr Harding has been a post-doctoral research fellow in the Division of Diabetes Translation at the Centers for Disease Control and

Prevention, where she has conducted several large-scale surveillance studies exploring complications among people with diabetes and kidney disease. In November 2019, Dr Harding was appointed to her current role at Emory University where her research will focus on healthcare access, quality of healthcare delivery, and healthcare outcomes among the kidney transplant population.



Dr. Paula Bracco

Paula Bracco, PhD, is an Assistant Professor in the Statistics Department at Federal University of Rio Grande do Sul (Brazil). She completed her PhD at the same institution in 2019. During her PHD she studied ways to apply more sophisticated statistics methods on Brazilian data to measure the burden of diabetes for the Brazilian population, calculating metrics never previously estimated for Brazil. Her work granted her the award for best oral presentation on IDEG 2019. During her PHD she spent 8 months working at the Center of Disease Control and

Prevention, where she improved considerably her analytical skills. She is actively involved conducting epidemiological diabetes research and statistical analysis on one of the first, largest cohort from a low/middle income country (Longitudinal Study of Adult Health, ELSA-Brasil). Her focus is to keep adapting statistical models to overcome the challenges of working with the limited data available in low- and middle-income countries and consequently increase the information about the global problem diabetes presents.



Professor Dianna Magliano

Professor Dianna Magliano has a BAppSci (Hons), PhD, and a Master of Public Health. Professor Magliano has worked for over fifteen years in epidemiology, the majority in diabetes, cardiovascular disease and obesity research. Her more recent work involved examining the association between diabetes and cancer using large datasets. With NHMRC project grant funding, she established the ANZ Diabetes and Cancer Collaboration (ANZDCC) dataset which is a collaboration of 18 Australian cohort studies with the aim to examine the relationship between diabetes, obesity, metabolic syndrome and hypertension. This project has resulted in the production of a dataset of 150,000 Australians with detailed demographic, health, biomarkers, socio-economic factors and anthropometry information linked to cancer and death outcomes over a time span of 15 years. As a part of this broader area, she also works on the other large datasets such as the National Diabetes Service Scheme (NDSS) linked to administrative data. Work on the NDSS has led to international status attested by invitations to the Diabetes and Cancer consortium, editor roles at Diabetes Research and Clinical practice and Atherosclerosis, and the presidency of the International Diabetes Epidemiology Group. Professor Magliano has well developed epidemiological and biostatistical skills. Fifteen years of teaching of epidemiology for Monash University has meant that her conceptual skills in epidemiology are well developed and current. Furthermore, as the senior epidemiologist of the Australian Diabetes, Obesity and Lifestyle Study (AusDiab) for over 11 years, she has acquired real life epidemiological training by working directly in the field, conducting epidemiological analyses. In 2017 she was awarded a NHMRC Senior research fellowship and the Australian Jeff flack data award from the Australian Diabetes Council.



Mr. Bendix Carstensen

Bendix Carstensen is the senior statistician at the Steno Diabetes Center Copenhagen. He holds a mathematics degree and a masters in mathematical statistics. His main research interests include using registers and administrative data bases in surveillance of public health. In his current job this has primarily focused on diabetes on the last 10 years, but he has also conducted analyses in cancer and cardiovascular disease. Bendix also has a large role in education nationally and internationally. He has spent greater than 20 years teaching demography, epidemiology and biostatistics and conducts short courses annually throughout the world. He has been, and continues to be, the lead biostatistician in many diabetes projects globally.



Prof. Dr. Michael Laxy

Michael Laxy is Assistant Professor of Public Health and Prevention at the Technical University of Munich. Before his appointment at TUM, he led the working group on 'Economics of Diabetes' at the Institute of Health Economics and Health Care Management at Helmholtz Munich and was Harkness Fellow for Health Care Policy and Practice at the US Centers for Disease Control and Prevention – Division of Diabetes Translation. He completed his PhD at the Ludwig Maximilians University, Munich in 2016 focusing on economic aspects of managing treatment in type 2 diabetes. He serves as an Adjunct Professor of Global Health at Emory University – Rollins School of Public Health and as an investigator of the population-based KORA research platform at Helmholtz Munich. Prof. Laxy studies disease prevention in the context of public health and health care systems. He uses methods from the fields of economics and epidemiology (experimental & quasi-experimental designs, simulation models, big data approaches etc.) and exploits a wide range of data sources (cohort studies, registries, claims data etc.) to generate evidence on determinants and consequences of non-communicable diseases and on the health, economic and equity impact of interventions and policies to prevent and treat these conditions.



Dr. Anna-Janina Stephan

Anna-Janina Stephan has been a research associate at the professorship of Public Health and Prevention at TUM since January 2021. Between April 2015 and September 2019 she worked as a research associate at the Institute for Medical Information Processing, Biometry and Epidemiology (IBE) at LMU München and at the German Center for Vertigo and Balance Disorders (DSGZ) at the LMU University Hospital. Between October 2019 and March 2021 she worked in the pharmaceutical industry. In August 2019 she completed her PhD on "Trajectories of deficit accumulation and their predictors in older age" in the LMU Munich Medical Research School (MMRS) program "Medical Research - Epidemiology and Public Health". She holds a Bachelor degree in political and administrative sciences (B.A.) from the University of Konstanz and a Master degree in Public Health (MPH) from LMU. In her work, she specialized in the epidemiology of ageing and the analysis of complex interventions. Currently, her work is focused on the application of quasi-experimental and machine learning methods in the context of diabetes research using data from a German health sickness fund.



Dr. Michael Hanselmann

Michael Hanselmann has been a research associate at the professorship of Public Health and Prevention at TUM since February 2021. Between March 2015 and November 2018, he worked as a research assistant at the Institute of Risk Management and Insurance at LMU Munich and served as executive secretary of the European Group of Risk and Insurance Economists e.V. (EGRIE). After completing his PhD, he worked in the insurance industry. He studied business administration (B.Sc.) and statistics (M.Sc.) at LMU Munich. In his work, he specialized in teaching evaluation and simulation methods to health science students. His research is mainly focused on the application of quasi-experimental and machine learning methods in the field of public health.