



## Workshop in Diabetes Epidemiology Methods

The 17<sup>th</sup> International Diabetes Epidemiology Symposium 2022

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

**Venue: Crowne Plaza Porto, Porto, Portugal**

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

## Workshop Speakers

### The 17<sup>th</sup> 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 high quality 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. Sara Pedron

Sara Pedron, PhD is post-doctoral research associate and lecturer at the professorship of Public Health and Prevention at the Technical University of Munich. Before moving to TUM, she worked as research associate at Helmholtz Munich, Institute of Health Economics and Health Care Management (IGM). In September 2021 she completed her PhD in "Medical Research - Epidemiology and Public Health" at the Munich Medical Research School (MMRS - LMU Munich), focusing on the relation between socioeconomic status and cardio-metabolic conditions. In her work, she specialized in primary data collection and analysis in the field of healthcare utilization and productivity. Furthermore, her work is mainly focused on the application of quasi-experimental analysis methods to understand the economic consequences of cardio-metabolic conditions and for health policy analysis.