

# **Cambridge-LMU Strategic Partnership**

## **Awardees 2020**

## School of Arts & Humanities

Cambridge PI / Faculty LMU PI / Faculty	Title
<p>Prof. Gábor Betegh (Classics)</p> <p>Prof. Christof Rapp (Philosophy; Faculty of Philosophy, Philosophy of Science and the Study of Religion)</p>	<p>1. Research: Moral Psychology Ancient and Modern: The Cambridge-LMU Group.</p> <p>2. Teaching: LMU-Cambridge Ancient Philosophy Graduate Training Network.</p>
<p>Dr Jeremy Butterfield (Philosophy)</p> <p>Prof. Erik Curiel (Munich Center for Mathematical Philosophy (MCMP); Humanities)</p>	Black holes and quantum field theory on curved spacetime
<p>Prof. Sarah Colvin (Faculty of Modern and Medieval Languages and Linguistics, German)</p> <p>Prof. Susanne Lüdemann (German Philology; Faculty of Languages and Literatures)</p>	Literature and the Rule of Law
<p>Prof. Anna Korhonen (Faculty of Modern and Medieval Languages and Linguistics)</p> <p>Prof. Alexander Fraser (Zentrum für Informations- und Sprachverarbeitung; Faculty of Languages and Literatures)</p>	Multilingual Natural Language Processing
<p>Dr Barbara McGillivray (Faculty of Modern and Medieval Languages and Linguistics)</p> <p>Prof. Hans-Jörg Schmid (English Philology; Faculty of Languages and Literatures)</p>	Lexical innovation in public discourse – linguistic theory, computational methods, social implications.
<p>Dr Leo Mellor (Faculty of English)</p> <p>Prof. Ingo Berensmeyer (Modern English Literature, Faculty of Languages and Literatures)</p>	Signal and Sign: Prehistories of Connectivity
<p>Dr Erik Niblaeus (Faculty of English)</p> <p>Prof. Ursula Lenker (English; Faculty of Languages and Literatures)</p>	<p>1. Research: Intellectual Connections and Exchanges between Northwestern Europe and Southern Germany, c. 650-1200</p> <p>2. Teaching: Blockseminar and Masterclass in Medieval Manuscript Studies</p>
<p>Prof. Huw Price (Philosophy)</p> <p>Prof. Stephan Hartmann (Philosophy; Faculty of Philosophy, Philosophy of Science and the Study of Religion)</p>	Decision Theory and the Future of Artificial Intelligence
<p>Prof. Roel Sterckx (Asian and Middle Eastern Studies)</p>	The Materiality of Chinese Ritual

Prof. Armin Selbitschka (Ancient Chinese History and Archeology; Faculty for the Study of Culture)	
Dr Maximilian Sternberg (Architecture and Art History) Prof. Burcu Dogramaci (Art History; Faculty of History the Arts)	Art and Architecture in the 20 <sup>th</sup> century and contemporary city. Migration, Memory and the Urban Environment.
Prof. Caroline van Eck (Art History) Prof. Ruth Bielfeldt (Classical Archeology; Faculty for the Study of Culture)	1. Research: The Object Talks Back (Part Two, 2020-22). Material Reception of Antiquity: reconstruction, restoration and display  2. Teaching: Bildungswissenschaft seminar: the German foundations of global art history <i>and</i> Sculpture and replication (seminar)

### School of Biological Sciences

Cambridge PI / Faculty LMU PI / Faculty	Title
Dr Tristan Bekinschtein (Psychology) PD Dr. Christine Falter-Wagner (Psychiatry, Faculty of Medicine)	Changes in repetitive behaviours and sensory hyper-reactivity in autism spectrum conditions (ASC): Diurnal, circadian and homeostatic considerations
Dr Kate Hughes (Veterinary Medicine) PD Dr. Wolfram Petzl (Faculty of Veterinary Medicine)	Development of a new experimental toolkit to study small ruminant mastitis
Dr Sebastian Schornack (Sainsbury Laboratory) Prof. Martin Parniske (Genetics, Faculty of Biology)	Plant Health - the foundation for reaching the Sustainable Development Goals of the United Nations
Dr Ross Waller (Biochemistry) Prof. Markus Meißner (Chair of Experimental Parasitology; Veterinary Medicine)	Molecular interactions between protozoan pathogens and their mammalian hosts

### School of Clinical Medicine

Cambridge PI / Faculty LMU PI / Faculty	Title
Prof. Folma Buss (Clinical Biochemistry) Prof. Claudia Veigel (Biomedical Centre; Faculty of Medicine)	Analysis of myosin motor proteins using biophysical and cell biological approaches

Dr Anita Marguerie de Rotrou (OTR) PD Dr. med. Anne Hilgendorff (Faculty of Medicine)	STAR TRACK. Strategic Alliance to initiate partnerships in TRANslational Cardiopulmonary research
Dr Karen Ersche (Psychiatry) Dr. Eva Hoch (Clinical Psychology; Faculty of Psychology and Educational Sciences)	Predicting Addiction: Identifying early markers in patients at risk for addiction
Dr Cédric Ghevaert (Department of Haematology) Prof. Thomas G. Schulze (Institute of Psychiatric Phenomics and Genomics; Faculty of Medicine)	Cerebral organoids from patient derived iPSC cells
Prof. Hugh Markus (Clinical Neurosciences) Prof. Martin Dichgans (Institute for Stroke and Dementia Research, Faculty of Medicine)	Cerebral Small Vessel Disease and Vascular Cognitive impairment - exploiting genetics to develop and test new treatment approaches
Dr Timothy Rittman (Clinical Neurosciences) Prof. Robert Perneczky (Faculty of Medicine)	Understanding the relationship between brain structure and function in dementia
Dr Nitzan Rosenfeld (Cancer Research UK Cambridge Institute) Prof. Philipp Baumeister (Otorhinolaryngology, Faculty of Medicine)	Analysis of circulating tumour DNA for therapy planning and surveillance in patients with head and neck cancer
Prof. James B. Rowe (Clinical Neurosciences) Prof. Robert Perneczky (Faculty of Medicine)	Innovative research approaches in the field of neurodegenerative disorders and dementia
Dr Giles Yeo (Institute of Metabolic Science) Prof. Susanna M. Hofmann (Faculty of Medicine)	Hypothalamic targets of diet and exercise

### School of Humanities & Social Sciences

Cambridge PI / Faculty LMU PI / Faculty	Title
Prof. Richard Bourke (History) Prof. Karsten Fischer (Department of Political Science; Faculty of Social Sciences)	Political Theory and the History of Political Thought
Dr Frances Foster (Faculty of Education) Prof. Markus Janka (Classical Language and Literature Education; Faculty of Languages and Literatures)	From Classical Mythology to Contemporary Education in Britain and Germany
Dr Henning Grosse Ruse-Khan (Law) Prof. Thomas Ackermann (Faculty of Law)	Private rights and public autonomy in a fragmented world

Dr Dániel Margócsy (Department of History and Philosophy of Science) Prof. Kärin Nickelsen (History, Faculty of History and the Arts)	The Histories of Plants and Humans
Dr Augusta McMahon (Archeology) Prof. Karen Radner (History; Faculty of History and the Arts)	The Neo-Assyrian Empire: Digital and Comparative Approaches
Dr Pedro Ramos Pinto (History) Prof. Kiran Klaus Patel (History; Faculty of History and the Arts)	CALM PhD Training Collaboration in the Contemporary History of "Global Europe"
Dr Simon Stoddart (Archeology) Prof. Carola Metzner-Nebelsick (Archeology, Faculty for the Study of Culture)	Collaborative Graduate School in Archaeology
Prof. Nicholas Thomas (Historical Anthropology; Museum of Archeology and Anthropology) Prof. Philipp Schorch (Museum Anthropology; Faculty for the Study of Culture)	Museum futures: material cultures of ethnography and natural history as archives of environmental knowledge
Dr Weilong Zhang (Economics) Prof. Florian Englmaier (Economics, Faculty of Economics)	Cambridge-LMU PhD Partnership in Economics

### School of Physical Sciences

Cambridge PI / Faculty LMU PI / Faculty	Title
Dr Alex T. Archibald (Faculty of Physics and Chemistry) Dr. Christoph Knote (Meteorology; Faculty of Physics)	Atmospheric Chemistry and Physics Modelling: Development of hands on tools for training the next generation of scientists
Prof. Peter Haynes (Mathematics) Prof. Thomas Birner (Meteorology; Faculty of Physics)	Scale interactions and their importance for dynamics, transport and mixing in the tropical atmosphere
Prof. Ulrich F. Keyser (Physics) Prof. Philipp Tinnefeld (Chemistry; Faculty of Chemistry and Pharmacy)	Single Molecule Sensors and Nanosystems - a self-organized student network
Prof. Paul Shellard (Mathematics) Prof. Jochen Weller (Physics, Faculty of Physics)	1. Research: Unveiling the Structure of the Universe. 2. Teaching: Unveiling the Structure of the Universe - Data Science Training

Dr Christopher Thomas (Department of Applied Mathematics & Theoretical Physics; Faculty of Mathematics)  Prof. Marina Krstic Marinkovic (Faculty of Physics)	Standard Model (SM) theory
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### School of Technology

Cambridge PI / Faculty  LMU PI / Faculty	Title
Dr A. Cengiz Oztireli (Computer Science and Technology)  Prof. Thomas Wachtler (Biology II, Faculty of Biology)	Neural Mechanisms in Vision for Digitally Augmented Reality