

Leibniz Competition 2018 – Funded projects

Leibniz Programme for Women Professors

Influenza at the Animal-Human Interface: One Health

Institute	Heinrich Pette Institute – Leibniz Institute for Experimental Virology (HPI)
Section	C
Cooperating university	Stiftung Tierärztliche Hochschule Hannover
Candidate	Prof. Dr. Gülsah Gabriel

Geobiodiversity: assessing the impacts of mountain building and climate change on evolution and ecology of mammals and birds

Institute	Senckenberg Gesellschaft für Naturforschung (SGN)
Section	C
Cooperating university	Johann Wolfgang Goethe-Universität Frankfurt am Main
Candidate	Dr. Susanne Fritz

Leibniz Professorship for Applied Labour Economics at the University of Heidelberg

Institute	Centre for European Economic Research (ZEW)
Section	B
Cooperating university	Ruprecht-Karls-Universität Heidelberg
Candidate	Prof. Dr. Melanie Arntz

Professorship Neurocognitive Development

Institute	Leibniz Institute for Neurobiology (LIN)
Section	C
Cooperating university	Hochschule Magdeburg-Stendal
Candidate	Dr. Nicole Wetzel

W2-tenure track professorship as a joint appointment of DWI - Leibniz-Institute and RWTH Aachen University

Institute	DWI – Leibniz Institute for Interactive Materials
Section	D
Cooperating university	Rheinisch-Westfälische Technische Hochschule Aachen
Candidate	Dr. Laura De Laporte

Leibniz Junior Research Groups

Constructing Transnational Spaces of Higher Education: International Branch Campus Development at the Interface of Network and Territorial Embeddedness

Institute	Leibniz Institute for Research on Society and Space (IRS)
Section	B
Cooperating partners	National University of Singapore, Vrije Universiteit Brussels
Candidate	Dr. Jana Maria Kleibert

Optimization of Glucosinolate Degradation Pathways for Increased Quality and Health Benefit of Brassica Products

Institute	Leibniz Institute of Vegetable and Ornamental Crops (IGZ)
Section	E
Cooperating partners	University of Freiburg, DIPF, University of Copenhagen, Universität Hamburg, Wageningen University, The New Zealand Institute for Plant & Food Research
Candidate	Dr. Franziska Hanschen

Compliant Magnetosensory Systems: Enabling magnetic functionalities for e-skins, soft robots and healthcare

Institute	Leibniz Institute for Solid State and Materials Research Dresden (IFW)
Section	D
Candidate	Dr. Michael Melzer

Shedding light on plasticity of monoaminergic circuits in the brain

Institute	Leibniz Institute for Neurobiology (LIN)
Section	C
Candidate	Dr. Matthias Prigge

Prediction of T cell communication and differentiation dynamics by quantitative mathematical modeling

Institute	German Rheumatism Research Center Berlin (DRFZ)
Section	C
Cooperating partners	University of California San Francisco, Universität Heidelberg, DRFZ
Candidate	Dr. Kevin Thurley

Sources and Consequences of Legitimation Strategies of Regional Organizations

Institute	German Institute of Global and Area Studies (GIGA)
Section	B
Cooperating partners	Freie Universität Berlin, Stockholm University, Oxford University, WZB
Candidate	Prof. Dr. Tobias Lenz

Quiet-sun Event Statistics

Institute	Kiepenheuer-Institut für Sonnenphysik (KIS)
Section	D
Cooperating partners	National Solar Observatory, Boulder, USA, National Astronomical Observatory of Japan, Canary Islands Institute of Astrophysics, La Laguna, KIS
Candidate	Dr. Catherine Fischer

Religion, Morality and Boko in West Africa: Students Training for a Good Life

Institute	Leibniz-Zentrum Moderner Orient (ZMO)
Section	A
Candidate	Dr. Abdoulaye Sounaye

Leibniz- Kooperative Exzellenz

Market Design by Public Authorities

Institute	Berlin Social Science Center (WZB)
Section	B
Cooperating partners	ZEW, DIW, Universität Lausanne, University of Texas, University of Tsukuba, Robert Bosch GmbH, TWS Partners AG, Carnegie Mellon University, University of California, ifo-Institut
Project leader	Prof. Dr. Dorothea Kübler

Climate Change Impacts on Migration and Urbanization

Institute	Potsdam Institute for Climate Impact Research (PIK)
Section	E
Cooperating partners	WZB, Institut für Landes- und Stadtentwicklungsforschung (ILS), City University of New York
Project leader	Dr. Diego Rybski

Connectivity and synchronisation of lake ecosystems in space and time

Institute	Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB)
Section	E
Cooperating partners	ZALF, IOW, FU Berlin, TU München, Helmholtz-Zentrum Potsdam (GFZ), Deutsches Zentrum für Luft und Raumfahrt (DLR), Helmholtz-Zentrum Geesthacht (HZG)
Project leader	Dr. Stella A. Berger

Taxation in the Era of Digital Transformation

Institute	Centre for European Economic Research (ZEW)
Section	B
Cooperating partners	Universität Mannheim, Universität Bochum, Karlsruhe Institute of Technology, Max-Planck-Institut für Innovation und Wettbewerb, Georgia Institute of Technology, OECD, PwC Deutschland
Project leader	Prof. Dr. Katharina Nicolay

Using “signatures of selection” to decipher key mechanisms regulating fe/male fertility

Institute	Leibniz Institute for Farm Animal Biology (FBN)
Section	C
Cooperating partners	IZW, Bundeshybridzuchtprogramm GmbH, Geolifes, Institut für Fortpflanzung landwirtschaftlicher Nutztiere, Universität Kiel
Project leader	Dr. Jennifer Schön

Terahertz Detection of Atoms in Plasma Processes

Institute	Paul Drude Institute for Solid State Electronics (PDI)
Section	D
Cooperating partners	INP
Project leader	Prof. Dr. Holger Grahn

Epigenetic regulation of ImmuneAging: Heterochromatic DNA methylation as a regulator of T cell senescence

Institute	German Rheumatism Research Center Berlin (DRFZ)
Section	C
Cooperating partners	Leibniz: FLI, FMP, IZW; Charité Universitätsmedizin Berlin, Universität des Saarlandes
Project leader	Dr. Julia Polansky-Biskup

Kritischer Katalog der Luther-Bildnisse (1519-1530)

Institute	Germanisches Nationalmuseum (GNM)
Section	A
Cooperating partners	Universität Erlangen-Nürnberg
Project leader	Dr. Daniel Hess

Search as Learning - Investigating, Enhancing and Predicting Learning during Web Search

Institute	German National Library of Science and Technology (TIB)
Section	D
Cooperating partners	L3S Research Center, IWM
Project leader	Prof. Dr. Ralph Ewerth

Structures of Viral Proteins Essential for Replication and Transcription

Institute	Bernhard Nocht Institute for Tropical Medicine (BNITM)
Section	C
Cooperating partners	HPI, Outstation of the European Molecular Biology Laboratory (EMBL)
Project leader	Prof. Dr. Stephan Günther

Barium stannate based heterostructures for electronic applications

Institute	Leibniz Institute for Crystal Growth (IKZ)
Section	D
Cooperating partners	PDI, Humboldt-Universität zu Berlin, Technische Universität Berlin,
Project leader	Dr. Martin Albrecht

Controlling and Switching of Function of Peptide and Protein based BioSurfaces: From Fundamentals to Applications

Institute	Leibniz Institute of Surface Modification (IOM)
Section	D
Cooperating partners	University Leipzig, University Göttingen, Max Planck Institute for biophysical Chemistry Göttingen, Ulm University Medical Center
Project leader	Prof. Dr. Bernd Abel

Epigenetic stability and plasticity of social environmental effects

Institute	Leibniz Institute for Zoo and Wildlife Research (IZW)
Section	C
Cooperating partners	Weizmann Institute of Sciences, University of Potsdam, McGill University
Project leader	Dr. Alexandra Weyrich

Resilience Factors in a diachronic and intercultural perspective

Institute	Römisch-Germanisches Zentralmuseum, Archaeological Research Institute (RGZM)
Section	A
Cooperating partners	Universitätsmedizin Mainz, Johannes Gutenberg-Universität Mainz, Goethe Universität Frankfurt/Main, Technische Universität Darmstadt, Römisch-Germanische Kommission des Deutschen Archäologischen Instituts,
Project leader	Dr. Alexandra Busch

Leibniz- Transfer

Help from science to improve the numerical analysis of population movement & urban development with existing statistical data for sustainable urban growth

Institute	Leibniz Institute for Regional Geography (IfL)
Section	B
Cooperating partners	Deutsches Institut für Urbanistik (difu)
Project leader	Prof. Dr. Francis Harvey

Cystein-selective bioconjugation for next generation antibody drug conjugates

Institute	Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP)
Section	C
Cooperating partners	HKI, IPB, Ludwig-Maximilians-Universität München
Project leader	Prof. Dr. Christian Hackenberger

Transfer and Promotion of Research-based STEM Education: Communities of Practice for the Adaptation and Implementation of Science and Maths Open Educational Resources

Institute	Leibniz Institute for Science and Mathematics Education (IPN)
Section	A
Cooperating partners	DZLM, DIPF
Project leader	Prof. Dr. Ilka Parchmann