

Leibniz Competition 2021 – Funded projects



Leibniz Programme for Women Professors

Dehumanization Online: Measurements and Consequences

Institute	Leibniz Institute for the Social Sciences (GESIS)
Section	B
Cooperating University	RWTH Aachen
Project leader	Claudia Wagner

Integrated cropping systems analysis: methods and models for climate risk and adaptation assessments

Institute	Leibniz Centre for Agricultural Landscape Research (ZALF)
Section	E
Cooperating University	BTU Cottbus-Senftenberg
Project leader	The candidate has yet to assume office.

Navigating the digital everyday life: Elderly participants' use of mundane technologies in and for social interaction

Institute	Leibniz Institute for the German Language (IDS)
Section	A
Cooperating University	Universität Mannheim
Project leader	The candidate has yet to assume office.

ImmunoPROteasomes in LUNG health and disease

Institute	Research Center Borstel - Leibniz Lung Center (FZB)
Section	C
Cooperating University	Christian-Albrechts-Universität zu Kiel
Project leader	Silke Meiners

A Framework for Knowledge Graphs based on Semantic Integration, Representation, and Curation of Scientific Data to enable Trustable and Interpretable Knowledge Exploration and Discovery

Institute	TIB – Leibniz Information Centre for Science and Technology
Section	D
Cooperating University	Leibniz Universität Hannover
Project leader	Maria-Esther Vidal

Leibniz Professorship for Empirical Environmental Economics at the University of Mannheim

Institute	ZEW – Leibniz Centre for European Economic Research
Section	B
Cooperating University	Universität Mannheim
Project leader	Kathrine von Graevenitz

Leibniz Transfer

Economic Insights: Transfer and Capacity Building (BSE Insights)

Institute	WZB Berlin Social Science Center
Section	B
Cooperating partners	DIW Berlin – Deutsches Institut für Wirtschaftsforschung; European School of Management and Technology (ESMT), Berlin; Freie Universität Berlin; Hertie School, Berlin; Humboldt-Universität zu Berlin; Technische Universität Berlin; Universität Potsdam; University College London
Project leader	Dorothea Kübler

Digital Materialities. Virtual and analogue forms of exhibiting museum artefacts

Institute	German Maritime Museum – Leibniz Institute for Maritime History (DSM)
Section	A
Cooperating partners	Universität Bremen; Leibniz-Institut für Wissensmedien (IWM)
Project leader	Ruth Schilling

Selective depletion of plasma cells secreting pathogenic autoantibodies in chronic autoimmune diseases - a potentially curative therapeutic approach

Institute	German Rheumatism Research Centre Berlin (DRFZ)
Section	C
Cooperating partners	Charité – Universitätsmedizin Berlin; Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP)
Project leader	Falk Hiepe

Leibniz Junior Research Groups

Cosmic Choreographies: Studying Systems of Satellite Galaxies and Their Phase-Space Correlations

Institute	Leibniz Institute for Astrophysics Potsdam (AIP)
Section	D
Project leader	Marcel Pawlowski

Hybrid swarm evolution of native and invasive Phoxinus spp. to the river Sieg, Germany

Institute	Zoological Research Museum Alexander Koenig - Leibniz Institute for Animal Biodiversity (ZFMK)
Section	C
Project leader	Madlen Stange

2D Heterostructures for fermionic and bosonic topological phases

Institute	Leibniz Institute for Solid State and Materials Research Dresden (IFW)
Section	D
Project leader	Louis Veyrat

Broad Adaptations to Brain Connectivity due to Maternal Influences on Neurocircuits caused by Diet

Institute	German Institute of Human Nutrition Potsdam-Rehbruecke (DIfE)
Section	C
Project leader	Rachel Lippert

Neuropathology of Lassa fever NEULA

Institute	Bernhard Nocht Institute for Tropical Medicine (BNITM)
Section	C
Project leader	Till Omansen

Probabilistic Methods for Dynamic Communication Networks

Institute	Weierstrass Institute for Applied Analysis and Stochastics (WIAS)
Section	D
Project leader	Benedikt Jahnel

Leibniz Collaborative Excellence

Ion Selectivity and Conduction Mechanism of Cation Channels Investigated by Molecular Dynamics Simulations and Solid-State NMR Spectroscopy

Institute	Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP)
Section	C
Cooperating partners	Max-Planck-Institut für biophysikalische Chemie, Göttingen
Project leader	Adam Lange

Supporting Climate Protection - From Renewable Hydrogen and Aerobic CO₂ to Methanol

Institute	Leibniz Institute for Catalysis e. V. at the University of Rostock (LIKAT)
Section	D
Cooperating partners	Leibniz-Institut für Plasmaforschung und Technologie (INP); Leibniz-Institut für Werkstofforientierte Technologien (IWT); Hochschule Stralsund; APEX Energy Teterow GmbH
Project leader	Matthias Beller

Light-driven molecular machines in active materials

Institute	INM – Leibniz Institute for New Materials
Section	D
Cooperating partners	DWI - Leibniz-Institut für Interaktive Materialien; University of Strasbourg
Project leader	Aránzazu del Campo Bécares

Defect-engineering in graphene via focused ion beam for tailored van der Waals epitaxy of h-BN

Institute	Paul Drude Institute for Solid State Electronics (PDI)
Section	D
Cooperating partners	Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik; Helmholtz-Zentrum Dresden-Rossendorf; Physikalisch-Technische Bundesanstalt
Project leader	J. Marcelo Lopes

Beyond Species: Predicting biodiversity change by integrating genetic diversity into ecological niche models

Institute	Museum für Naturkunde - Leibniz Institute for Evolution and Biodiversity Science (MfN)
Section	C
Cooperating partners	Humboldt-Universität zu Berlin; Universität Potsdam; Istanbul Technical University; Yerevan State University; Tel-Aviv University
Project leader	Frieder Mayer

Digitale Kartenwerkstatt Altes Reich: historische Räume neu modellieren und visualisieren

Institute	Leibniz Institute of European History Mainz (IEG)
Section	A
Cooperating partners	Leibniz-Institut für Länderkunde (IfL); Leibniz-Institut für Ost- und Südosteuropaforschung (IOS); Johannes Gutenberg-Universität Mainz; École des hautes études en sciences sociales
Project leader	Johannes Paulmann

Predicting the future from signatures of the past: using living sediment archives and ancient DNA to understand responses of marine primary producers to environmental changes

Institute	Leibniz Institute for Baltic Sea Research (IOW)
Section	E
Cooperating partners	Senckenberg Gesellschaft für Naturforschung (SGN); Universität Konstanz; Universität Hamburg; Lund University; University of Gothenburg; Michigan State University; Södertörn University; University of Helsinki; Helsinki Commission HELCOM
Project leader	Anke Kremp

China in Africa: Exploring the Economic and Social Consequences

Institute	Kiel Institute for the World Economy (IfW)
Section	B
Cooperating partners	Georg-August-Universität Göttingen; University of Hong Kong; Addis Ababa University; University of Ghana; Zambia Institute for Policy Analysis and Research (ZIPAR); Ahmadu Bello University, Zaria
Project leader	Rainer Thiele

Functional architecture of the nucleus of malaria parasites

Institute	Bernhard Nocht Institute for Tropical Medicine (BNITM)
Section	C

Cooperating partners	Radboud University Nijmegen
Project leader	Tobias Spielmann

Distributional effects of macroeconomic policies in Europe

Institute	German Institute for Economic Research Berlin (DIW Berlin)
Section	B
Cooperating partners	Leibniz-Institut für Wirtschaftsforschung Halle (IWH); Rheinische Friedrich-Wilhelms-Universität Bonn; Eberhard Karls Universität Tübingen
Project leader	Alexander Kriwoluzky

Learning Progression Analytics - Analyzing Learning for Individualized Competence development in mathematics and science Education

Institute	Leibniz Institute for Science and Mathematics Education at the University of Kiel (IPN)
Section	A
Cooperating partners	Leibniz-Institut für Wissensmedien (IWM); DIPF Leibniz-Institut für Bildungsforschung und Bildungsinformation; Ruhr-Universität Bochum; Carnegie Mellon University; University College London
Project leader	Knut Neumann