



OVERVIEW OF TOPICS \_ AVAILABLE SUPERVISORS

## \_\_\_ PILLAR 1

### Education, Personal Development and Learning from Early Childhood to Adulthood

› **Professor Dr Cordula Artelt**

Large-scale assessments  
Reading and reading development  
Metacognition and self-regulated  
Learning Competence assessment  
Teacher professionalism and knowledge

› **PD Dr rer. nat. Matthias Borgstede**

Evolutionary foundations of learning and behavior  
Formal modeling of adaptive behavior systems  
Methodological foundations of measurement and theory building

› **Professor Dr Claus H. Carstensen**

Competence assessments  
Longitudinal data analyses  
Latent variable modelling

› **Professor Dr Barbara Drechsel**

Learning and instruction and its determinants  
Self-regulated learning, interest and motivation  
Counselling in school contexts and student and teacher (mental) health

› **Professor Dr Miriam Hess**

Video analyses  
Teaching quality  
Quality of teacher education  
Primary education

› **Professor Dr Jennifer Paetsch**

Teacher education  
Pre-service teachers' competencies and beliefs  
Evaluation of teacher training programmes  
Second-language teaching and learning  
Social and immigration-related disparities in educational success  
Measurement of language abilities

› **Professor Dr Maximilian Pfof**

Reading and reading development  
Attitudes towards reading and reading behavior  
Emergent literacy skills  
Joint book reading and electronic storybooks

› **Professor Dr Annette Scheunflug**

Educational quality  
Citizenship education  
Educational anthropology  
Religion and education



› **PD Dr Cornelia Schoor**

Multiple document comprehension  
Digital and data literacy  
Beliefs about science  
Teaching and learning with digital media

› **Professor Dr Astrid Schütz**

Personality  
Gender Differences  
Leadership  
Narcissism  
Self-perception and observer ratings  
Self-presentation  
Risks and decisions  
Positive Psychology (e.g. self-compassion, self-understanding)  
Emotional Intelligence  
Consequences of Power

› **Professor Dr Sabine Weinert**

Language development  
Cognitive and metacognitive development  
Late talkers or specific language impairment  
The development of implicit or explicit learning  
Relations between language and cognition in infancy and childhood  
Verbal self-regulation  
Cognitive and language assessment and promotion  
(Academic) language and social background or migration status etc.  
(PhD-projects may use data from other projects like BiKS or NEPS.)

› **Professor Dr Ilka Wolter**

Self-concept and academic Achievement  
Gender stereotypes and identity  
Competence development  
Gender-specific learning environments  
Reading competence  
Text comprehension

## **PILLAR 2**

### **Educational and Social Inequality across the Entire Life Course**

› **Professor Dr Silvia Annen**

Recognition and labour market usability of qualifications and competences  
Returns to education, educational pathways and decisions

› **Professor Dr Michael Gebel**

(both Pillar 2 and 3)

Empirical studies on social inequality from a life course perspective  
Empirical studies on social inequality in international comparative perspective based on micro data  
Analysis of micro data from non-European countries in international comparative perspective  
Application of techniques of longitudinal data analyses  
Application of modern methods of causal analysis



» **Professor Dr Guido Heineck**

(both Pillar 2 and 3)

(Monetary and non-monetary) Returns to education

Causal effects of educational or labour market reforms

The integration of personality psychology in economics, educational and income mobility, and well-being

» **Professor Dr Corinna Kleinert**

(both Pillar 2 and 3)

Social inequalities in education and the labor market

Gender inequalities in education and the labor market

Transitions from school to work

Career mobility over the life course

» **Professor Dr Cornelia Kristen**

(both Pillar 2 and 3)

Migration and integration

Social inequality

Sociology of education

Other areas related to her research interests

» **Professor Dr Steffen Schindler**

Social inequalities in education and their social mechanisms Labour market returns to education

The impact of education on social mobility

» **Professor Dr Timo Schmid**

Survey statistics, for instance small area estimation

Estimating poverty and inequality indicators on disaggregated levels

Machine learning approaches for predicting indicators

Estimating indicators using mobile phone or satellite data

## \_\_\_ PILLAR 3

### Changes in Human Capital, Labour Markets and Demographic Structures and their Relation to Social Inequalities in Modern Societies

» **Professor Dr Maike Andresen**

Global mobility

Careers

Human resource development

Flexible working hours

» **Professor Dr Matthias Dütsch**

Social inequalities in the labour market

Working conditions in minimum wage and low wages jobs

Minimum wage effects

Occupational change

Employment trajectories and occupational mobility

Occupational burdens and strains

Social justice



» **Professor Dr Henriette Engelhardt-Wölfler**

Social demography  
Family demography  
Epidemiological demography  
Population aging  
Causal analysis

» **Professor Dr Michael Gebel**

(both Pillar 2 and 3)

Empirical studies on social inequality from a life course perspective  
Empirical studies on social inequality in international comparative perspective based on micro data  
Analysis of micro data from non-European countries in international comparative perspective  
Application of techniques of longitudinal data analyses  
Application of modern methods of causal analysis

» **Professor Dr Guido Heineck**

(both Pillar 2 and 3)

(Monetary and non-monetary) Returns to education Causal effects of educational or labour market reforms

The integration of personality psychology in economics, educational and income mobility, and well-being

» **Professor Dr Rasmus Hoffmann**

Social and health inequalities across the life course

» **Professor Dr Corinna Kleinert**

(both Pillar 2 and 3)

Social inequalities in education and the labor market  
Gender inequalities in education and the labor market  
Transitions from school to work  
Career mobility over the life course

» **Professor Dr Cornelia Kristen**

(both Pillar 2 and 3)

Migration and integration  
Social inequality  
Sociology of education  
Other areas related to her research interests

» **Professor Dr Anne Leucht**

Applied probability for dependent data  
Mathematical statistics  
Statistical learning, high-dimensional statistics and time series econometrics

» **Professor Dr Katja Möhring**

(both Pillar 3 and 4)

Comparative research on life courses and social inequality with micro data  
Age(ing) and retirement  
Family and work  
Gender inequality  
Political attitudes  
Well-being of migrants



» **Professor Dr Cristian R. Proaño**

Behavioral macroeconomics  
Nonlinear macroeconometrics  
International finance  
Monetary policy  
Economic Inequality

» **Professor Dr Marvin Reuter**

Social epidemiology and occupational health  
Health inequalities and social determinants of health across the life course  
Physical and psychosocial working conditions  
Labour market flexibilisation processes, atypical and precarious employment  
Sickness presenteeism (working while ill)

» **Professor Dr Olaf Struck**

Labour market research, labour and justice  
Labour market flexibility, labour market policy  
Human resource management  
Further education, lifelong learning demography, life course and biography  
Social structure and social change, social policy

» **Professor Dr Mark Trappmann**

Methodological issues  
Use longitudinal data to examine social inequality in a dynamic perspective

## \_\_\_ PILLAR 4

### Governance, Institutional Change and Political Behavior

» **Professor Dr Daniel Drewski**

Sociology of European integration and globalization  
International migration and state borders  
Social and symbolic boundaries  
Qualitative methods  
Discourse analyses

» **Professor Dr Florian Herold**

Game theory  
Evolution in relation to behavioural economics  
Models of limited attention  
Political economics

» **Professor Dr Monika Heupel**

Legitimacy of international organizations  
Institutional change in global governance  
International security governance  
Human rights governance  
Legalization of world politics



» **Professor Dr Andreas Jungherr**

Political Communication  
Digital Media  
Public Arena  
Political Psychology  
Persuasion  
Computational Social Science

» **Professor Dr Isabel Kusche**

Digital transformation of the public sphere  
Political communication and digital political campaigning  
Political visions of digital innovations  
Democratic linkages between politicians and citizens

» **Professor Dr Johannes Marx**

Transnationalism and its effects on international institutions  
The role of mechanisms in the development of international institutions  
The explanation of change and stability within international institutions  
Enquiries into the accountability and legitimacy of international institutions

» **Professor Dr Sabrina Mayer**

Political Behaviour  
Political Psychology  
Elections and Voters  
Public Opinion

» **Professor Dr Katja Möhring**

(both Pillar 3 and 4)  
Comparative research on life courses and social inequality with micro data  
Age(ing) and retirement  
Family and work  
Gender inequality  
Political attitudes  
Well-being of migrants

» **Professor Dr Elmar Rieger**

Comparative macro sociology  
The evolution of welfare states  
Sociology of international law and international relations

» **Professor Dr Thomas Saalfeld**

Parliamentary accountability in multi-level settings  
Parliamentary voting behaviour  
The political representation of immigrants and ethnic minorities  
The political economy of cabinet durability in European democracies  
Decision-making within political parties  
The use of principal-agent models in the study of political institutions

» **Professor Dr Carina Schmitt**

International political economy  
Comparative economic and social policy research  
Colonialism  
Quantitative methods in the social sciences



› **Professor Dr Ulrich Sieberer**

Institutional design and change in modern democracies  
Legislative organization and legislative behavior  
Executive politics  
Intra-party politics  
Political competition in democracies

› **Professor Dr Frank Westerhoff**

Agent-based computational models  
Behavioral economics and finance  
Controlling complex adaptive systems  
Dynamical systems in discrete time  
Economic policy and market design  
Functioning of (interacting) markets

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As of March 2024