

ZiF RESEARCH GROUP OPENING CONFERENCE

Interdisciplinary Perspectives on Genetic and Social Causes of Life Chances

Convenors: Prof. Dr. Martin Diewald (Bielefeld, GER)
 Prof. Dr. Rainer Riemann (Bielefeld, GER)

19 - 22 October 2015

IN COOPERATION WITH:



MONDAY, 19 OCTOBER 2015

12:30 - Lunch, ZiF -

13:30 *Welcome Addresses* by ZiF and Martin Diewald & Rainer Riemann (Universität Bielefeld, GER)

14:00 Thomas DiPrete (Columbia University, USA), *Keynote Presentation* "Social inequality, the environment, and the potential utility of genetic models"

15:30 - Coffee break -

16:00 Thematic Session (1) *Mediating social mechanisms, individual characteristics and influences via genetic variation relevant to social inequality* (Chair: Chuansheng Chen, University of California at Irvine, USA)

- Chuansheng Chen, Cultural genomics: Evidence, promises, and challenges
- Noah Snyder-Mackler, Dominance rank alters social behavior and gene regulation in female rhesus macaques
- Chris Dawes, Genes, education, and political participation
- John Hawks, Recent evolution and population growth as factors in contemporary human variation

18:00 Welcome Reception with snacks, ZiF

TUESDAY, 20 OCTOBER 2015

9:30 Moshe Szyf (McGill University, Canada), *Keynote Presentation* "Behavioral epigenetics"

11:00 - Coffee break -

11:30 Thematic Session (2) *Theoretical approaches to gene-environment interplay: Commonalities and differences* (Chair: Wendy Johnson, University of Edinburgh, GBR)

- Wendy Johnson, Stress-diathesis and bioecology: Two common models and one example
- Michael Pluess, Individual differences in environmental sensitivity as a function of genes
- Frank Spinath, Gene-environment interplay in educational achievement and attainment
- Eric Turkheimer, Behavior genetics as a quasi-experimental research paradigm

13:30 - Lunch break -

14:30 Thematic Session (3) *The role of timing: Understanding the genome and environment interplay across the life course* (Chair: Jutta Heckhausen, University of California at Irvine, USA)

- Jutta Heckhausen, Life-course transitions as agency-relevant phases of life: When individual dispositions matter most
- Nancy Pedersen, Gene-environment interplay across the lifespan: Lessons from twins
- Dalton Conley, Vietnam era military service and smoking behavior: Heterogeneous effects by genotype

16:00 - Coffee break -

16:30 Thematic Session (4) *Molecular genetic bases of inequality and biological transcription processes* (Chair: Robert Krueger, University of Minnesota, USA)

- Philipp Koellinger, GWAS on social scientific outcomes: The big problem of small effects and how to overcome it
- Meike Bartels, A step by step approach to unravel individual differences in complex phenotypes; the journey of SWB
- Robert Krueger, New directions in human molecular behavioral genetics as we begin to overcome the problem of numerous small effects

19:00 Dinner, Brauhaus

WEDNESDAY, 21 OCTOBER 2015

9:30 Fritz Trillmich (Universität Bielefeld, GER), *Keynote Presentation* "Reduction of phenotypic plasticity in behavior by early experience"

11:00 - Coffee break -

11:30 Thematic Session (5) *Contemporary societies: Which institutional, cultural, and structural macro conditions in contemporary societies shape how the genome intervenes in the social construction of educational and status attainment, income determination and wealth accumulation?* (Chair: Guang Guo, University of North Carolina at Chapel Hill, USA)

- Guang Guo, The genome-wide influence on human BMI depends on physical activity, life-course, and historical period
- Melinda Mills, The genetic and socio-environmental interplay of fertility and education
- Jenae Neiderhiser, Genetic and environmental influences on interpersonal relationships during early and middle childhood and early school performance
- Martin Diewald, Institutional filter to genetic expression: Advantage and disadvantage in modern welfare state regimes

13:30 - Lunch break -

14:30 Thematic Session (6) *The long historical view: How can social inequality patterns and social mobility characteristics of human societies influence the population genome, and how did the role of the genome for unequal attainment change across the history of mankind?* (Chair: Lars Penke, Universität Göttingen, GER)

- Lars Penke, An evolutionary perspective on genetic variation in life outcomes and their psychological predictors
- Rebecca Sear, What are the consequences of early life stress for reproductive outcomes in later life? A cross-cultural analysis
- Markus Jokela, Integrating individual psychology and the study of sociodemographic processes
- Henry Harpending, The tempo of human evolution: The thousand year rule

16:30 - Coffee break -

17:00 Joachim Wündisch (Universität Düsseldorf, GER), What ought we to do about social inequalities due to genetic factors?

19:00 Dinner, ZiF

THURSDAY, 22 OCTOBER 2015

9:30 *Outline of work program*, Martin Diewald & Rainer Riemann

10:00 - Coffee break -

10:30 Working Groups (1) *Methodological challenges: Connections and possible cross-fertilizations of different methodological approaches*

12:00 - Lunch break -

13:00 Working Groups (2) *Challenges and opportunities for collaboration*

15:00 - Coffee break -

15:30 Farewell

17:00 Optional: Guided tour of Bielefeld and dinner