

Loukia Spineli, PD, Dr Phil.**PERSONAL DATA**

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EDUCATION

October 2021 **Privatdozentin, Venia legendi für "Evidenzsynthese im Gesundheitswesen"**
Department of Obstetrics, Gynecology and Reproductive Medicine, Hannover Medical School, Hannover, Germany
Antrittsvorlesung (*in English*): "Network meta-analysis: more than just an evidence synthesis tool"

December 2014 **PhD in Evidence Synthesis**
Department of Hygiene and Epidemiology, School of Medicine, University of Ioannina, Ioannina, Greece.
Thesis (*in English*): "Studies with missing values in network meta-analysis"

September 2010 **MSc in Applied Statistics with Specialization in Biostatistics and Biometry**
Department of Statistics and Insurance Science, University of Piraeus, Piraeus, Greece.
Thesis (*in Greek*): "Gene expression analysis for the study of the survival time of women with breast cancer"

May 2008 **BSc in Statistics and Insurance Science**
Department of Statistics and Insurance Science, University of Piraeus, Piraeus, Greece.

RESEARCH / PROFESSIONAL EXPERIENCE

- January 2022 – present** **Principal Investigator in Evidence Synthesis funded by DFG**
 Midwifery Research and Education Unit, Hannover Medical School, Hannover, Germany
 - Enrichment of the knowledge and methodology to evaluate the transitivity and consistency assumptions in complex networks of interventions.
- January 2020 – December 2021** **Principal Investigator in Evidence Synthesis funded by DFG**
 Midwifery Research and Education Unit, Hannover Medical School, Hannover, Germany
 - Consolidate and advance the methodology to address missing participant outcome data in conventional and network meta-analysis of healthcare interventions.
- March 2019 – December 2019** **Lecturer in Statistics and Principal Investigator in Evidence Synthesis**
 Midwifery Research and Education Unit, Hannover Medical School, Hannover, Germany
 - Teaching in the European Master of Science in Midwifery Programme.
 - Supervision of Master Students.
 - Research on the methodology of systematic reviews with multiple interventions.
- March 2017 – February 2019** **Principal Investigator in Evidence Synthesis funded by DFG**
 Institute for Biostatistics, Hannover Medical School, Hannover, Germany
 - Extensive research on missing (participant) outcome data in network meta-analysis.
- June 2016 – June 2017** **Systematic Reviewer for Cochrane Response**
 - Participation in the development of protocols for systematic reviews.
 - Participation in selecting eligible clinical studies and extracting relevant data.
 - Assessment of the quality of clinical studies using the Cochrane Risk of Bias tool.
 - Meta-analysis and interpretation of results.
- February 2014 – February 2017** **Postdoctoral Researcher**
 Institute for Biometry, Hannover Medical School, Hannover, Germany
 - Statistical consultation with clinicians, MSc and PhD medical students.
 - Teaching meta-analysis to medical students.
- March 2012** **Visiting Research Associate**
 Department of Psychiatry, Technische Universität München (TUM), University Hospital, Munich, Germany
- November 2010– November 2013** **Research Associate in Evidence Synthesis**
 Department of Hygiene and Epidemiology, School of Medicine, University of Ioannina, Ioannina, Greece
 - Research in network meta-analysis with a focus on studies with missing outcome data.
 - Teaching biostatistics to medical students.

RESEARCH GRANT PARTICIPATION

- January 2022 – December 2024** **TRansitivity & Consistency Evaluation in Network Meta-Aalysis (TRACE-NMA)**
Principal investigator: Loukia Spineli Funding amount: 292.450 € (3 years)
Objective: Enrichment of the knowledge and methodology to evaluate the transitivity and consistency assumptions in complex networks of interventions.
 (Deutsche Forschungsgemeinschaft [462260733](#); SP 1664/2-1)
- January 2020 – December 2021** **Network and conventional meta-analysis with Missing Outcome data (NEMO)**
Principal investigator: Loukia Spineli Funding amount: 185.300 € (2 years)
Objective: To consolidate and advance the methodology to address missing participant outcome data in conventional and network meta-analysis of healthcare interventions.
 (Deutsche Forschungsgemeinschaft [339420617](#); SP 1664/1-3)
- March 2017 – February 2019** **Network meta-analysis with Missing Outcome data (NEMO)**
Principal investigator: Loukia Spineli Funding amount: 173.400 € (2 years)
Objective: To provide empirical evidence on the reporting and handling of missing outcome data in networks of interventions and a thorough empirical and simulative evaluation of the performance of different methods to handle missing binary outcome data in the context of network meta-analysis.
 (Deutsche Forschungsgemeinschaft [339420617](#); SP 1664/1-1)
- February 2014 – February 2017** **Advances in Small Trials design for Regulatory Innovation and excellence**
Principal investigator: Kit Roes
Objective: ASTERIX is specifically designed to optimize methodology for clinical trials in small populations to achieve more reliable and cost-efficient clinical development of treatments for rare diseases.
 (FP7-HEALTH-2013-INNOVATION-1 603160)
- December 2012– November 2013** **Missing Outcome data in Psychiatric Trials & Meta-Aalysis (MissOPTIMA)**
Principal investigator: Georgia Salanti
Objective: To develop novel statistical methodology to evaluate and address bias associated with missing outcome data in the systematic reviews and meta-analyses in psychiatry.
 (Hellenic General Secretariat for Research and Technology, ARISTEIA)
- November 2010– December 2012** **Integrating the Multiple Meta-Aalysis (IMMA)**
Principal investigator: Georgia Salanti
Objective: To establish and enrich the emerging network meta-analysis by tackling specific controversial issues and consolidating the methodology.
 (FP7-IDEAS-ERC Starting grant 260559)

AWARDS / SCHOLARSHIPS

- June 2021** **Individual research funding** at 292.450 € for three years from the German Research Foundation (*Deutsche Forschungsgemeinschaft* [462260733](#); SP 1664/2-1).
- October 2019** **Individual research funding** at 185.300 € for two years from the German Research Foundation (*Deutsche Forschungsgemeinschaft* [339420617](#); SP 1664/1-3).
- January 2017** **Individual research funding** at 173.400 € for two years from the German Research Foundation (*Deutsche Forschungsgemeinschaft* [339420617](#); SP 1664/1-1).
- September 2010** **Scholarship** at 2.000 € for the Academic Year 2009-2010 in the Postgraduate Program in Applied Statistics.

MEMBERSHIPS

International Society of Clinical Biostatisticians (since 2013)
 Author of the Cochrane Incontinence Group (since 2019)

JOURNAL EDITORIAL BOARD

Journal of Dentistry (since 2021)

JOURNAL PEER REVIEWING

Invitations to review mostly submitted systematic reviews with conventional or network meta-analysis (Journals in alphabetical order):

- American Journal of Orthodontics and Dentofacial Orthopedics
- BMC Medical Research Methodology
- BMJ Open
- The BMJ
- CNS Drugs
- European Journal of Obstetrics & Gynecology and Reproductive Biology
- Journal of the American Society of Hypertension
- Journal of Clinical Epidemiology
- Journal of Dentistry
- Journal of Mental Health
- Medicine
- Methods of Information in Medicine
- PLOS One
- Research Synthesis Methods
- Trials

GRANTS PEER REVIEWING

Medical Research Council Invitation to review a methodological proposal on evidence synthesis.

OTHER SCIENTIFIC ACTIVITIES

- September 2019 – December 2020** Aktiv in der Lehre: Fortbildung für Lehrende an der MHH (14. Durchgang)
- February 2019** Basisprogramm zur Qualifizierung von Lehrenden der MHH
- January 2016 – June 2017** 8th Ina-Pichlmayr-Mentoring an der Medizinische Hochschule Hannover

LANGUAGES

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| Greek | Native speaker |
| English | Full professional proficiency |
| German | Independent user, good knowledge |

IT QUALIFICATION

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| Office Processors | Microsoft Office™ tools |
| Statistical Software | RStudio, SPSS |
| Code hosting platform | GitHub (https://github.com/LoukiaSpin) |
| Software for systematic reviews | Review Manager 5 |