

6th CEN Conference Preliminary Programme

MONDAY 18 May, 2026

	Half-day course	Full-day course	Full-day course	Full-day course
Morning session	Bayesian borrowing in clinical trials: design choices, assessment of operating characteristics and reporting Annette Kopp-Schneider, Silvia Calderazzo	An introduction to Bayesian non-parametrics for causal inference Michael Daniels, Jason Roy	Compatible and informative simultaneous confidence intervals for clinical trials Werner Brannath, Martin Scharpenberg, Mouna Akacha	A practical introduction to simulating complex trial designs Thomas Jaki, Dominique-Laurent Couturier, Pavel Mozgunov
LUNCH				
Afternoon session	Post-hoc inference for true discovery proportion: methods and applications in R Anna Vesely, Angela Andreella	An introduction to Bayesian non-parametrics for causal inference Michael Daniels, Jason Roy	Compatible and informative simultaneous confidence intervals for clinical trials Werner Brannath, Martin Scharpenberg, Mouna Akacha	A practical introduction to simulating complex trial designs Thomas Jaki, Dominique-Laurent Couturier, Pavel Mozgunov

<p>Early morning plenary</p>	<p>Keynote</p> <p>Simulation studies: bringing method to the madness Tim Morris</p>											
<p>Late morning parallel</p>	<p>IS1: Past and Future of Bayesian Biostatistics</p>		<p>TC1: 50th anniversary of the closed testing procedure</p>		<p>Censored data 1</p>		<p>High dimensional data 1</p>		<p>Statistical hypothesis testing 1</p>		<p>Other 2</p>	
	<p>Bayesian Highs and Lows: A Pharma Industry Perspective Simon Wandel</p>		<p>Principles in Harmony: Closed Testing Meets the Partitioning and Projection Principle Werner Brannath</p>		<p>Overview of methods for planning studies with multiple time to event endpoints Ann-kathrin Ozga</p>		<p>Unraveling Aging in the CSF Proteome: A Systematic Comparison of Variable-Selection Methods for Protein Risk Score Modeling Sathish Kabatkar Ravindranth</p>		<p>Bootstrap calibration: A flexible tool to obtain (simultaneous) confidence, prediction and tolerance intervals Max Messen</p>		<p>Nonparametric analysis of covariance in Mann-Whitney effects Konstantin Emil Thiel</p>	
	<p>Bayesian approaches in time of ML and AI Katja Ickstadt</p>		<p>Multiple hypotheses testing in clinical trials beyond familywise error rate control Frank Bretz</p>		<p>The impact of the number and the size of clusters on prediction performance of the stratified and the conditional shared gamma frailty Cox proportional hazards models Daniele Giardiello</p>		<p>Detecting gene-environment interactions to guide personalized intervention: boosting distributional regression for polygenic scores Qiong Wu</p>		<p>Multiple-use prediction and calibration for all future values: exact simultaneous tolerance bands for regression Yang Han</p>		<p>Enabling Inference in Small Samples: Bayesian Estimation of Nonparametric Effects Levin Wiebelt</p>	
	<p>Lessons learned in the last 25 years Gerhard Nehmiz</p>		<p>Closed Testing, Interim Analysis and Adaptations – History, Methods, and Modern Challenges Franz König</p>		<p>Evaluating Statistical Methods for Multiple Time-to-Event Endpoints: A Simulation Study on Recurrent and Competing Events Duoerkongjiang Alidan</p>		<p>Estimating differential gene networks by integrating gene expression and methylation data Anna Plaksienko</p>		<p>Minimum area confidence set optimality for simultaneous confidence bands for percentiles with applications to drug shelf-life estimation Lingjiao Wang</p>		<p>A New Approach to the Nonparametric Behrens-Fisher Problem with Compatible Confidence Intervals Stephen Schüürhuis</p>	
	<p>Discussant Reinhard Vonthein</p>		<p>The invention of the closed testing procedure and early developments Markus Neuhäuser</p> <p>Graphical Approaches for Transparent Closed Testing Martin Posch</p>		<p>Prognostic Models for Recurrent Event Data Victoria Watson</p> <p>Unsure about the Markov assumption? A comparison of transition probability estimators in multi-state models Merle Munko</p>		<p>Regularized Multi-Omics Regression Modelling for Transcriptomic-Proteomic Integration in Mice with induced liver Damage. StabCell: A stability-selection framework with error control for clustering and differential expression analysis of scRNA-seq data Ngoune Domo Brunel Darwin Niklas Lück</p>		<p>Detecting day-to-day effects in concentration-response experiments in toxicology Julia Eichhorn</p> <p>Alert identification in time-dose-response data Lucia Ameis</p>		<p>Graph-theoretic determinants of causal discovery performance in feedback-driven biological networks Markus Schepers</p> <p>The Chicken or The Egg? Causal Inference Methods for Cross-Lagged Effects in Longitudinal Panel Data Tanya Toluay</p>	
<p>LUNCH</p>												
<p>Early afternoon parallel</p>	<p>IS2: Multiple tests beyond parametric assumptions</p>		<p>TC2: Interpretable Bayesian modelling of high-dimensional / complex problems in molecular biomedicine</p>		<p>Censored data 2</p>		<p>Machine learning and data science 1</p>		<p>Statistical hypothesis testing 1</p>		<p>Statistical modelling 1</p>	
	<p>Multiple Comparison Procedures for Simultaneous Inference in General Factorial Design for Multivariate Functional Data under Non-parametric Assumptions Łukasz Smaga</p> <p>From group-sequential to flexible adaptive designs for time-to-event endpoints: Assumptions for valid multiplicity control Moritz Fabian Danzer</p>		<p>Probabilistic Variable Importance: A Bayesian Perspective on Interpretable Machine Learning Christian Staerk</p> <p>An interpretable varying coefficients approach to non-linear regression Francesco Stingo</p>		<p>mRNA COVID-19 vaccination in pregnancy and risk of pregnancy loss: a progressive multistate model to account for time-dependent exposure Lukas Lohse</p> <p>Estimating a treatment effect for survival when membership of the target population is partially hidden Marilena Müller</p>		<p>Identifying Post-COVID Risk Factors with Model-Agnostic Feature Importance Lukas Burk</p> <p>MACHINE LEARNING ALGORITHM TO PREDICT BIOMARKER LEVELS USING METABOLOMICS DATA Fabiola Del Greco M.</p>		<p>Test of independence in a three-level model Anna Szczepańska-Alvarez</p> <p>Testing Independence in Functional Data Using the Distance of Mean Embedding Jędrzej Wydra</p>		<p>The effect of attentional control on postural stability in young and older adults Jakub Malik</p> <p>Lowering the Barrier: An Intuitive Framework for Optimal Design in Immunization Studies Stefan Embacher</p>	

	<p>Wild bootstrapping the (asymptotic) joint distribution of rank-based statistics</p> <p>Beyond Independence: A Unified Approach to the Multiple Nonparametric Behrens-Fisher Problem</p>	<p>Lukas Mödl</p> <p>Erin Sprünken</p>	<p>A modelling framework for detecting and leveraging node-level information in Bayesian network inference</p> <p>Generalized promotion time cure model: A new modeling framework to identify cell-type-specific genes and improve survival prognosis</p> <p>Discussant</p>	<p>Hélène Ruffieux</p> <p>Zhi Zhao</p> <p>Manuela Zucknick</p>	<p>Comparison of survival outcomes with a partly unknown, time-dependent, exogenous treatment – a problem in paediatric SCT-studies</p> <p>Detecting Early and Late Divergences in Survival Curves Using Nonparametric Effect Measures</p> <p>Evaluation of Z-tests to compare fixed time survival probabilities using stratified Kaplan-Meier estimates with different variance estimators and weights</p>	<p>Martina Mittlböck</p> <p>Jonas Beck</p> <p>Hannes Buchner</p>	<p>From claims to care: Machine learning algorithm to classify urinary tract infection cases using Swiss health insurance data</p> <p>Machine Learning Model for Multi-Ancestry Fine-Mapping from Summary Statistics</p> <p>Metabolite discovery in tumor tissue with a self-supervised deep learning approach on MALDI-MSI data</p>	<p>Soheila Aghlmandi</p> <p>Shizhe Xu</p> <p>Annalena Weissert</p>	<p>Choice of the hypothesis matrix for usual quadratic forms</p> <p>Assessing the Impact of Distributional Assumption Violations on Outlier-Detection Methods in Clinical Audits</p> <p>One sample testing under uncertainty of the null hypothesis</p>	<p>Paavo Sattler</p> <p>Anqi Sui</p> <p>Dominic Edelmann</p>	<p>Deriving Duration Time from Occupancy Data – A case study in the length of stay in Intensive Care Units for COVID-19 patients</p> <p>Novel Sample Size Calculation Approaches for Risk Prediction Model Development with Clustered Binary Data</p>	<p>Göran Kauermann</p> <p>Rumana Omar</p>
Late afternoon parallel	<p>IS3: Survival Analysis for Excess Mortality: Insights and Innovations</p> <p>Model extensions for relative survival to assess excess mortality during the COVID-19 pandemic</p> <p>Modelling excess mortality comparing to a control population: A combined additive and relative hazards model</p> <p>Regression models in the extended multi-state model using relative survival</p> <p>A penalized spline additive hazards model for modeling excess mortality</p>	<p>Liesbeth C De Wreede</p> <p>Caroline Dietrich</p> <p>Damjan Manevski</p> <p>Mar Rodriguez-Girondo</p>	<p>TC3: Estimation after Adaptive Testing</p> <p>What does a blueprint for clear communication of complex clinical trial results look like?</p> <p>Estimation in confirmatory clinical trials planned with an adaptive design - a regulatory perspective</p> <p>Estimation for adaptive designs - a methodological overview</p> <p>Point and interval estimation of treatment effects in adaptive clinical trials – past experiences and future developments</p> <p>Discussant</p>	<p>Mouna Akacha</p> <p>Florian Klinglmueller</p> <p>David Robertson</p> <p>Ekkehard Glimm</p> <p>Chris Jennison</p>	<p>Clinical trials 1</p> <p>A novel method for inserting dose levels mid-trial in early phase combination studies</p> <p>Adaptive Designs in Fast-Track Registration Processes for Digital Health Applications</p> <p>adagraph: An R Package for Graph-Based Multiple Testing in Adaptive Trial Designs</p> <p>An adaptive design for interim dose selection and addition for the treatment of whorm infections</p> <p>Confidence intervals for two-stage adaptive designs with subpopulation selection</p>	<p>Matthew George</p> <p>Liane Kluge</p> <p>Benjamin Fallmann</p> <p>Sonja Zehetmayer</p> <p>Enyu Li</p>	<p>Machine learning and data science 2</p> <p>Supervised Machine Learning Models for Longitudinal and Clustered Data</p> <p>Can We Trust Interpretable Machine Learning Methods for Longitudinal Risk Prediction?</p> <p>Flexible nonparametric bootstrapping for machine learning validation studies based on hierarchical data</p> <p>Explaining Mixed Effect Machine Learning with Shapley Value</p> <p>ML with U-smile Visualization: A Novel Approach to Imbalanced Classification Without Thresholds</p>	<p>Maxi Schulz</p> <p>Julia Höpler</p> <p>Max Westphal</p> <p>Pat Vatiwutipong</p> <p>Barbara Więckowska</p>	<p>Bayesian methods 1</p> <p>A Bayesian approach to decision making in early development clinical trials : An Open-source solution</p> <p>Bayesian Methods in Registered Clinical Trials: A Systematic Review of Studies on ClinicalTrials.gov Through 2024</p> <p>Bayesian Image Analysis in Transformed Spaces</p> <p>Robust calibrated priors for the BLRM that reconcile implicit design beliefs</p> <p>Assessing Air Quality in Nigerian States Using a Bayesian Hierarchical Environmetrics Model</p>	<p>Audrey Yeo</p> <p>Giles Partington</p> <p>John Kornak</p> <p>Lukas A. Widmer</p> <p>Oladapo Oladoja</p>		
Evening	<p>Welcome reception</p>											

IS: invited session

TC: topic-contributed session

Early morning plenary	<p>Keynote</p> <p>Optimal design and Analysis in cytotoxicity experiments — Bridging the gap between statistics and toxicology</p> <p>Kirsten Schorning</p>										
Late morning parallel	<p>IS4: Questions of Experimental Design and Statistical Analysis in Preclinical Research</p> <p>From design to decision: A case study in preclinical pooled CRISPR demonstrating statistical opportunity</p> <p>Optimizing Preclinical Research: Sample Size Planning and Sequential Designs</p> <p>Statistical Planning and Reporting for Multi-Laboratory Preclinical Trials</p> <p>The Experimental Unit Information Index: Balancing Evidentiary Value and Sample Size of Adaptive Designs</p>	<p>YSS1 (ROeS)</p> <p>Navigating Multiplicity in Multiverse Analyses: A Simulation Study and Case Application to Lung Cancer Staging Using SEER Data</p> <p>Modeling Antibody Kinetics in Pregnant and Lactating Women Following COVID-19 and Tdap Vaccination</p> <p>Edgington's Method for Random-Effects Meta-Analysis</p> <p>Evaluation of cancer screening programmes: integration of the biological tumour growth model into the MOCCI method</p> <p>Comparative Analysis of Classification Models for Pharmaceutical Permeability Prediction</p>	<p>Censored data 3</p> <p>Inference in pseudo-observation-based regression using (biased) covariance estimation and naive bootstrapping</p> <p>Evaluating selective-inference methods for Lasso in survival analysis: a comparative simulation study</p> <p>Survival tree model for interval-censored failure time data with a cure rate</p> <p>Evaluation of Joint Models and Related Approaches for Long-Term Risk Prediction from Short-Term Data</p> <p>Comparing variable selection in Cox and accelerated failure time models: noncollapsibility, the phantom hazard</p>	<p>High dimensional data 2</p> <p>Individuality and information content of infrared molecular profiles: insights from a large longitudinal health-profiling study</p> <p>Statistical basis for precision screening with infrared molecular fingerprints: functional data decomposition and lung cancer signals</p> <p>Integrative Prediction Models for Multi-Omics Data with Missing Modalities</p> <p>Inference for Functional Matched Pairs Designs with Missingness</p> <p>Informative Subsampling via Optimal Design for Efficient Training on Large and High-Dimensional Genomic Data</p>	<p>Methods in epidemiology 1</p> <p>Inferring the causal effect direction in genetic association studies: An application to broad depression, obesity, and asthma</p> <p>Methodological and Practical Challenges in Developing a Cardiac Allocation Score</p> <p>Timeliness of Polio Vaccination during 2019-21 in India: A finite mixture modeling analysis</p> <p>Advancing mixed-effects random forests to predict BMI development in children and adolescents based on multi-cohort data</p> <p>Estimating prevalence of micronutrient deficiency across multiple biomarkers: Approaches for generalized linear and linear mixed models</p>	<p>Statistical modelling 2</p> <p>Comparison of statistical methods for dealing with deviations in concentration-response curves</p> <p>A comparison of variable selection approaches for spline regression</p> <p>A Clustered-Metric Simulation Study Comparing Flexible Regression Techniques for Non-Linear Associations</p> <p>Detection of changes in time series of preclinical measurements for selecting Virtual Control Groups</p> <p>Limitations and Challenges of Mixed Models Repeated Measures (MMRM) Analysis</p>	<p>Gloria Brigiari</p> <p>Lukas Frank Buchhäusl</p> <p>David Kronthaler</p> <p>Ema Požek</p> <p>Jana Habus-Korbar</p>	<p>Simon Mack</p> <p>Lena Schemet</p> <p>Yang-jin Kim</p> <p>Moritz Madern</p> <p>Lorena Hafermann</p>	<p>Kosmas Kepesidis</p> <p>Lea Gigou</p> <p>Marina Bleskina</p> <p>Marléne Baumeister</p> <p>Subhadra Dasgupta</p>	<p>Sharon Lutz</p> <p>Leonie Lenz-Seraphin</p> <p>Sumit Kumar Das</p> <p>Jiumeng Zhang</p> <p>Steffen Hadasch</p>	<p>Huiying Zhou</p> <p>Franziska Kappenberg</p> <p>Theresa Ullmann</p> <p>Wiebke Dammann</p> <p>Moses Mwangi</p>
LUNCH											
Early afternoon parallel	<p>ISS: Navigating in murky waters: reproducing preclinical findings</p> <p>Reproducibility and Ethics in Nonclinical Statistics: Building Trust</p>	<p>YSS2 (PL & D)</p> <p>Hypothesis Testing in Ill-Conditioned Functional Response Models</p>	<p>Clinical trials 2</p> <p>A systematic empirical comparison of different statistical approaches for a multi- aspect analysis of clinical trial data in rare diseases</p>	<p>Machine learning and data science 3</p> <p>A Comprehensive Comparison of Methods for Quantifying Similarity of Datasets</p>	<p>Methods in epidemiology 2</p> <p>Detection of Measurement Errors and Heterogeneity During the Collection of Observational Data: A Simulation Study</p>	<p>Other 3</p> <p>Feasibility of Photoplethysmography for Heart Rate Asymmetry Assessment: A Comparative Study using the Autonomic Aging Database</p>	<p>Natalia Stefańska</p>	<p>Martin Geroldinger</p>	<p>Marieke Stolte</p>	<p>Ronja Foraita</p>	<p>Rafał Pawłowski</p>

	The Impact of Methodological Rigor on Reproducibility in Biomedical Research	Ulf Toelch	missKnockoffs: A Robust Approach to Variable Selection in Incomplete Omics Data under False Discovery Control	Dominik Nowakowski	Assessing covariate-adjusted risk differences in small-sample trials: A comparative evaluation of statistical methods	Martin Schnuerch	A New Approach to Distinctness Testing	Laura Slebiada	Detecting Temporal Measurement Heterogeneity in Cohort Studies: Lessons from the Study of Health in Pomerania	Carsten Schmidt	Assessing the Reliability of Virtual Control Groups in Preclinical Toxicology	Timur Tug
	Planning animal experiments based on estimation error considerations	Dario Zocholl	Conditional distribution function-based measure for independence testing of functional data.	Filip Pieczętkiewicz	Allocation Bias in Rare Diseases Clinical Trials with Multiple Endpoints	Stefanie Schoenen	Predicting mixture of experts performance by generalized estimating equations	Małgorzata Ćwiklińska-Jurkowska	Navigating Complexities in Assessing Systemic Health Effects of Tattoos in a Population-Based Cohort	Narges Ghoreishi	Modeling data with values above the upper limit of quantitation	Hannes-friedrich Ulbrich
	Sample Size Minimisation in Preclinical Animal Trials	Nicole Ellenbach	Combining machine learning methods for subgroup identification in time-to-event data with approximate Bayesian computation for bias correction	Henrik Stahl	When randomization is not random: Allocation bias in small sample, group sequential randomized clinical trials	Daniel Bodden	Predicting Ordinal Outcome Using Interpretable Artificial Representative Tree with Conformal Uncertainty Quantification	Lea Louisa Kronziel	Beyond Case Counts: Simulation Evidence for Probability-Based Pandemic Surveillance	Inken Siems	Consideration of missing values in sample size calculation using multiple imputation	Teresa Byczkowski
			Estimating the Causal Effect of a Cumulative Exposure on an Outcome in Studies Prone to Confounding and Irregular Visits	Mathilde Dicaire-Cartier	Multiple Treatment Arms, Multiple Biases? Allocation and chronological biases in platform trials	Nico Bruder	modgo 2.0: an R package for synthetic data generation to mimic original study data	Andreas Ziegler	Generalizability of a self-supervised wrist model for physical behaviour classification to hip-worn data via fine-tuning on paired free-living data from the WEALTH study	Christoph Buck		
			Variable Selection in Meta-Regression with Suspected Interaction Effects	Paula Lorenz								
Late afternoon parallel	No sessions Excursions/Annual German Region Meeting											
Evening	Gala dinner											

IS: invited session

TC: topic-contributed session

YSS: Young-statisticians session

<p>Early morning plenary</p>	<p>Keynote</p> <p>Causal inference in practice – One (?) estimand, many (!) analytical decisions</p> <p>Susanne Strohmaier</p>										
<p>Late morning parallel</p>	<p>IS6: Big Data in Biomedicine: Innovations Across Imaging and Omics</p> <p>Functional Data Analysis of Head Impact Exposure of College Football Athletes</p> <p>Jaroslaw Harezlak</p> <p>Quantile regression in genomics: a new lens for genetic discovery and phenotype prediction</p> <p>Degradation Graphs Reveal Hidden Proteolytic Activity in Peptidomes</p> <p>Jonas Wallin</p> <p>Relative quantification of proteins with shared peptides: a weight-based approach</p> <p>Mateusz Staniak</p>	<p>TC4: Biometrics in the era of AI</p> <p>On the Role of Biometry in AI Projects</p> <p>Björn-hergen Laabs</p> <p>ChatGPT as a Tool for Biostatisticians</p> <p>Dennis Dobler</p> <p>Teaching Biostatistics in Times of AI</p> <p>Ursula Berger</p> <p>Panel discussion</p> <p>Panel discussion</p>	<p>Clinical trials 3</p> <p>A randomized basket trial design for dose optimization based on Bayesian model averaging using spike-and-slab priors</p> <p>Belay Birlie Yimer</p> <p>A Basket Trial Design for Unequal Sample Sizes Based on Power Priors</p> <p>Lukas Baumann</p> <p>How to optimize dynamic borrowing in basket trials – A utility-based framework.</p> <p>Lukas D Sauer</p> <p>“AI-Assisted Methodology Validation Before Data Collection: The E-PICOS Framework for Robust Clinical Trials”</p> <p>Arzu Kanik</p> <p>Using Confidence Distributions in Final and Interim Analyses for Single-Arm Studies or Platform Trials Consisting of Single-Arm Studies</p> <p>Günter Heimann</p>	<p>Ecological and agricultural statistics 1</p> <p>Clustering of indicator species according to soil properties in the regeneration phase of pedunculate oak (Quercus robur L.) forests</p> <p>Anamarija Jazbec</p> <p>Quality over Quantity? - The optimised allocation of quality samples in Bavarian post-registration trials in perennial ryegrass</p> <p>Anne-katrin Gorn</p> <p>Challenges and Perspectives on Using Environmental Covariates in Multi Environment Trials</p> <p>Maksym Hrachov</p> <p>A Case Study in Sugar Beet</p> <p>Maryna Prus</p> <p>Optimizing the allocation of trials to sub-regions in crop variety testing: different conditions in different years</p> <p>Milene Figueira</p> <p>Assessment of a Low-Cost System for 3D Image Acquisition in Beef Cattle</p>	<p>Evidence synthesis 1</p> <p>Parametric nonlinear dose-response meta regression</p> <p>Christian Ritz</p> <p>Meta-analyses based on previous meta-analyses</p> <p>Christian Röver</p> <p>Proper Back-Transformations for the Random-Effects Model in Meta-Analysis</p> <p>Jan-bernd Igelmann</p> <p>Bayesian conjugate analysis for federated statistical inference</p> <p>Peter Degen</p> <p>Evaluating Nonparametric Combination Methods for Aggregating N-of-1 Trials: A Simulation-Based Comparison with Meta-Analysis</p> <p>Anna Eleonora Carrozzo</p>	<p>Methods for diagnostics studies 1</p> <p>Strategies for dealing with outliers in (semi-)parametric estimation of reference intervals and standard deviation scores</p> <p>Andreas Gleiss</p> <p>A Novel Approach to Diagnostic Evaluation: Prevalence-Corrected Precision-Recall Curves</p> <p>Ilker Unal</p> <p>Covariate adjustment, factorial designs and clustered data in diagnostic accuracy studies</p> <p>Philipp Weber</p> <p>Enhancing Efficiency in Cancer Drug Testing using Nonparametric Approaches</p> <p>Sunil Mathur</p> <p>Comparison of different methods for the meta-analysis of diagnostic test accuracy studies – a simulation study</p> <p>Ferdinand Valentin Stoye</p>					
<p>LUNCH</p>											
<p>Early afternoon parallel</p>	<p>IS7: Methods to improve the practical usefulness of biomedical research</p> <p>Systematic Review and Meta-analysis of Animal Studies as Tools for Strengthening Research Integrity</p> <p>Kimberley Wever</p> <p>Quality assessment of proposals for animal studies and corresponding publications</p> <p>Florian Frommlet</p>	<p>TC5: Statistical issues in health care provider comparisons</p> <p>Causal Inference for Healthcare Profiling in Low-Event Settings</p> <p>Sharon-lise Normand</p> <p>Measuring performance for end-of-life care</p> <p>Sebastien Haneuse</p>	<p>Clinical trials 4</p> <p>Difference-in-difference estimators in randomized trials with external controls</p> <p>Christiana Drake</p> <p>Modeling approaches to incorporate non-concurrent controls in platform trials with time-to-event endpoints</p> <p>Pavla Krotka</p>	<p>High dimensional data 3</p> <p>Integrating functional motif discovery and statistical learning approaches for advanced blood glucose prediction in real-world conditions</p> <p>Sara Garber</p> <p>Statistical end-to-end analysis of large-scale microbial growth data with DGrowthR</p> <p>Medina Feldl</p>	<p>Other 1</p> <p>Statistical methods to reduce Selection Bias in Dose-Finding Studies with Binary Endpoints</p> <p>Alexandra Balzer</p> <p>Comparison of ANOVA methods for experiments in the nested block design</p> <p>Konrad Banaś</p>	<p>Missing data 1</p> <p>Prediction in the presence of missing values. Are there credible alternatives to imputation-based use of the predictive density?</p> <p>Bart Mertens</p> <p>Impact of imputation on individual cough alert system with incomplete baseline monitoring</p> <p>Dörte Huscher</p>					

	From the Classroom to the Clinic: Teaching Reproducibility in Statistics Education	Samuel Pawel	Timely yearly assessment of follow-up outcomes using a period-based survival data approach	Lisa Steyer	Evidence Generation Using External Controls: Opportunities and Challenges – A Regulator’s Perspective	Armin Schüler	Population Matching to Enhance Back-Translation Between Clinical Trials and Biobank Data for Drug Target Discovery	Han Chang Chiam	Rectangular augmented row-column designs generated from contractions	Hans-peter Piepho	The performance paradox: understanding the discrepancy between the performance of imputation approaches for survival models with missing covariates in simulation studies and real data	Edouard F. Bonneville
	Discussant	Ulrich Dirnagl	Improved predictions of quality of care indicators in the tail of its distribution	Els Goetghebeur	Bayesian Methods Integrating Causal Inference Approaches for Borrowing Historical Control Data in RCTs: A Neutral Comparison Study	David Jesse	A Nested Cross-Validation Framework for Leakage-Free Calibration of Adaptive Elastic-Net Regression in High-Dimensional Data	Gul Inan	Effect of using textbook field plans without randomization	Jens Hartung	Handling Missing Data in Life Science: A Comparative Study of Imputation Methods for Medical Data.	Maria Thurow
			Comparing the usefulness of patient and clinician reported outcomes measures to compare providers of arthroscopic rotator cuff repair – Methodological considerations	Werner Vach	Identification of subtrial-specific optimal biological dose (OBD) with robust borrowing of information	Zhi Cao	Entropy Adjusted Graphical Lasso for Sparse Precision Matrix Estimation	Vahe Avagyan	Socio-spatial characterization of sub-sewersheds for wastewater-based epidemiology: Developing and evaluating two estimators for population-related variables	Yassine Talleb	Evaluating the Impact of Missing Data Imputation Methods on Bias and Covariate Balance in Propensity Score Analysis: A Simulation Study	Saghar Garayemi
Late afternoon parallel	IS8: Regularization methods and their applications in the work of IQWiG and IQTIG Regularization methods in clinical biostatistics: State-of-the-art and possibilities for improvement The Firth correction - a recap	Sarah Friedrich-Welz Georg Heinze	TC6: Bridges and Barriers: Career Moves Between Industry and Academia Panel discussion	Panel discussion	Clinical trials 5 Assessment of Global Evidence Against Homogeneity for Exhaustive Subgroup Treatment Effect Plots Comparing adverse event probabilities in a hypothetical world without consent withdrawals or treatment switches Counterfactual Uncertainty Quantification in Personalized Medicine: A Statistical Framework for RCTs Continuous Monitoring in Early Phase Oncology: A Standardized, Patient-Centric Approach	Björn Bornkamp Judith Vilsmeier Xingya Wang Kuzko Aleksandra	Machine learning and data science 4 Generative Adversarial Networks For Mortality Modelling Lesion Network Mapping based Convolutional Neural Networks: Predictive Performance and Interpretability Deep Learning Strategies for Rare and Common Brain Disease Diagnostics from Medical Imaging From Data to Decisions: Enhancing the Reliability of Random Forest Predictions with optRF	Łukasz Głęb Matthias Becher Anna Mamchych Thomas Martin Lange	Open and reproducible research 1 Addressing the researchers' degree of freedom using multiple marginal models OMOP ETL Pipeline Implementation for Tuberculosis Data Standardisation at Douala General Hospital, Cameroon Living Synthetic Benchmarks: A Neutral and Cumulative Framework for Simulation Studies How many subgroup analyses are false (-positives or negatives)? – Evidence from p-value distributions of interaction tests and mixture models in diabetes research	Anne-laure Boulesteix Brenda Yankam Mbouamba František Bartoš Oliver Kuss		
		Jona Cederbaum Lars Beckmann			Blinded continuous monitoring for continuous outcomes	Longhao Xu	Calibrating machine learning approaches for probability estimation in case of the absence of calibration data	Eleonora Di Carluccio	Improving clinical and methodological research in the health sciences – on the crucial role of reporting guidelines and structured reporting	Willi Sauerbrei		

IS: invited session
TC: topic-contributed session