ISCB GMDS 2026

Preliminary Program

BIG DATA small data Your Data

Transitions in the age of biomedical AI

Sunday, 27.09.2026	
08:30 - 10:30	Parallel Pre-Conference Courses (Half- and Full-Day)
10:30 - 11:00	Coffee Break
11:00 - 12:30	Parallel Pre-Conference Courses (Half- and Full-Day)
12:30 - 13:30	Lunch Break
13:30 - 15:00	Parallel Pre-Conference Courses (Half- and Full-Day)
15:00 - 15:30	Coffee Break
15:30 - 17:30	Parallel Pre-Conference Courses (Half- and Full-Day)
18:00 - End	Early Career Researcher´s Gathering

Monday, 28.09.2026	
09:00 - 10:30	Opening Session, Awards + Keynote Speaker 1 (45')
10:30 - 11:00	Coffee Break
11:00 - 12:30	Invited Session, Parallel Contributed Sessions and Workshops
12:30 - 13:30	Lunch Break SC & AG meetings
13:30 - 15:00	Invited Session, Parallel Contributed Sessions and Workshops
15:00 - 15:30	Coffee Break
15:30 - 17:00	Invited Session, Parallel Contributed Sessions and Workshops
17:00 - 18:30	AGM GMDS
18:30-20:30	Welcome Reception

Tuesday, 29.09.2026	
09:00 - 10:30	Keynote Speakers 2 + 3 (45' each)
10:30 - 11:00	Coffee Break
11:00 - 12:30	Invited Session, Parallel Contributed Sessions and Workshops
12:30 - 13:30	Lunch Break SC & AG meetings
13:30 - 15:00	Parallel Contributed Sessions and Workshops
15:15 - End	Conference Excursions / Social Afternoon

Wednesday, 30.09.2026	
09:00 - 10:30	Invited Session, Parallel Contributed Sessions and Workshops
10:30 - 11:00	Coffee Break
11:00 - 12:30	Invited Session, Parallel Contributed Sessions and Workshops
12:30 - 13:30	AGM ISCB
12:30 -14:00	Lunch Break SC & AG meetings
14:00 - 15:30	Invited Session, Parallel Contributed Sessions and Workshops
15:30 - 16:00	Coffee Break
16:00 - 17:30	Keynote Speaker 4 (45'), Poster Awards + Closing
19:00 - End	Conference Dinner

Thursday, 01.10.2026	
09:00 - 10:30	SmallData Symposium, STRATOS Symposium, Early Career Researcher Day
10:30 - 11:00	Coffee Break
11:00 - 12:30	SmallData Symposium, STRATOS Symposium, Early Career Researcher Day
12:30 - 13:30	Lunch Break
13:30 - 15:00	SmallData Symposium, STRATOS Symposium, Early Career Researcher Day
15:00 - 15:30	Coffee Break
15:30 - 17:00	STRATOS Symposium

Preliminary Program
(Day view)

Sunday, 27.09.2026					
08:30 - 10:30	Performing Comparative Effectiveness Research Using Network Meta-Analysis: An Introduction To Theoretical And Practical Advances	Beyond “Randomized”: Designing and Evaluating Randomization in Clinical Trials	The Reference Terminology SNOMED CT	Efficient Bayesian Analysis of Longitudinal and Survival Data using R-INLA	Causal Inference for Time-to-Event Outcomes – With Practical Applications in R
10:30 - 11:00	Coffee Break				
11:00 - 12:30	Performing Comparative Effectiveness Research Using Network Meta-Analysis: An Introduction To Theoretical And Practical Advances	Beyond “Randomized”: Designing and Evaluating Randomization in Clinical Trials	The Reference Terminology SNOMED CT	Efficient Bayesian Analysis of Longitudinal and Survival Data using R-INLA	Causal Inference for Time-to-Event Outcomes – With Practical Applications in R
12:30 - 13:30	Lunch Break				
13:30 - 15:00	Performing Comparative Effectiveness Research Using Network Meta-Analysis: An Introduction To Theoretical And Practical Advances	Prediction Under Interventions	Clinical Text Mining under Real-World Constraints	Genomic AI-Agents for Personal Genomics: Hands-On Analysis With Just-DNA-Lite and LLM Agents	Causal Inference for Time-to-Event Outcomes – With Practical Applications in R
15:00 - 15:30	Coffee Break				
15:30 - 17:30	Performing Comparative Effectiveness Research Using Network Meta-Analysis: An Introduction To Theoretical And Practical Advances	Prediction Under Interventions	Clinical Text Mining under Real-World Constraints	Genomic AI-Agents for Personal Genomics: Hands-On Analysis With Just-DNA-Lite and LLM Agents	Causal Inference for Time-to-Event Outcomes – With Practical Applications in R
18:00 - 22:00	Early Career Researcher´s Gathering				

Preliminary Program
(Day view)

Monday, 28.09.2026												
09:00 - 10:30	Opening Session + Keynote Speaker 1: Cathie Sudlow											
10:30 - 11:00	Coffee Break											
11:00 - 12:30	IS1: Innovations in Master Protocols Evaluating Multiple Treatments and (Rare) Diseases	WS1: From Theory to Practice in the EU HTA JCA: Early Insights and Lessons Learned	WS3: Developing and Executing Privacy-Preserving Federated Analyses with FLAME	WS5: Designing Next-Generation Respiratory Virus Trials: Estimands, Core Outcomes, and Adaptive Pandemic-Ready Frameworks	WS8: From Research Question to Access: Using Nationwide Claims Data Today – and Electronic Health Record Data Tomorrow	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session
12:30 - 13:30	Lunch Break SC & AG meetings											
13:30 - 15:00	IS2: Causal Inference with Truncation by Death and Missing Data: From Estimands to Estimation	WS2: A Guided Experiment on Clinical Trial Data Sharing Quality and Data Reuse	WS4:Mapping metadata schemas to the HealthDCAT-AP standard: Lessons learned and hands on community examples	WS6: Analysis and Modelling of Infectious Diseases in the Age of AI: Lessons from COVID-19	WS9: Between Data, Practice, and Evidence: (Inter)Nationally EHR Research	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session
15:00 - 15:30	Coffee Break											
15:30 - 17:00	IS3: Biomedical Knowledge Integration	WS2: A Guided Experiment on Clinical Trial Data Sharing Quality and Data Reuse	WS4: Mapping metadata schemas to the HealthDCAT-AP standard: Lessons learned and hands on community examples	WS7: Uncertainty in Clinical Predictions	WS10: Large Language Model Informed Real-World Cohort Data	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session
17:00 - 18:30	AGM GMDS											
18:30 - 20:30	Welcome Reception											

Preliminary Program
(Day view)

Tuesday, 29.09.2026												
09:00 - 09:45	Keynote Speaker 2: Marylyn Ritchie											
09:45 - 10:30	Keynote Speaker 3: Annette Kopp-Schneider											
10:30 - 11:00	Coffee Break											
11:00 - 12:30	IS4: AI/ML-Driven Causal Inference with Real-World Data Complexities	WS11: Reliable Subgroup Identification and Analysis - Results of GMDS Biostatistics Competition 2026	WS12: On the Ethical and Technical Aspects for Deployment and Evaluation of AI-Driven Clinical Decision Support Systems	WS13: Sensor Analytics for Rehabilitation	WS14: Introduction to Individual Participant Data Meta-Analysis	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session
12:30 - 13:30	Lunch Break SC & AG meetings											
13:30 - 15:00	Signature Session: AI and Me	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session
15:15 - End	Conference Excursions / Social Afternoon											

Preliminary Program
(Day view)

Wednesday, 30.09.2026													
09:00 - 10:30	IS5: Accelerating Evaluation and Adoption of Complex Digital Outcome Measures in Trials	WS15: Ordinal Outcomes: Friend or Foe?	WS17: AI-driven Therapeutic Modelling in Biomedical Informatics	WS19: Benchmarking AI scientists	WS22: Regulatory Topics for Statisticians: Implementation of Risk-Based Quality Management from Biostatistical Perspective	WS25: Forum Digital Medicine and Artificial Intelligence	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session
10:30 - 11:00	Coffee Break												
11:00 - 12:30	IS6: Biostatistics for Personalized Medicine	WS16: Use of Bayesian Methods for Clinical Trial Design and Analysis	WS17: AI-driven Therapeutic Modelling in Biomedical Informatics	WS20: AI supported Data Retrieval and Data Management in the Health Domain	WS23: Population-Adjusted Indirect Comparisons in the Framework of Health Technology Assessment	WS25: Forum Digital Medicine and Artificial Intelligence	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session
12:30 - 13:30	AGM ISCB												
12:30 - 14:00	Lunch Break SC & AG meetings												
14:00 - 15:30	IS7: Evaluating Fairness in Clinical Prediction Models and AI: Current and Emerging Topics	WS16: Use of Bayesian Methods for Clinical Trial Design and Analysis	WS18: Deep Dive Into eHealth With the Project MINT Meets Medicine	WS21: Teaching Statistical Literacy in Times of Political Changes	WS24: What Makes a Trial Complex? Evidence, Experience, and AI	WS25: Forum Digital Medicine and Artificial Intelligence	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session	Contributed Session
15:30 - 16:00	Coffee Break												
16:00 - 16:45	Keynote Speaker 4: Andre Dekker												
16:45 - 17:30	Closing Session												
19:00 - End	Conference Dinner												

Preliminary Program
(Day view)

Thursday, 01.10.2026			
09:00 - 10:30	SmallData Symposium	STRATOS Symposium	Early Career Researcher Day
10:30 - 11:00	Coffee Break		
11:00 - 12:30	SmallData Symposium	STRATOS Symposium	Early Career Researcher Day
12:30 - 13:30	Lunch Break		
13:30 - 15:00	SmallData Symposium	STRATOS Symposium	Early Career Researcher Day
15:00 - 15:30	Coffee Break		
15:30 - 17:00		STRATOS Symposium	