

Day One (7th October)

Time	Event
08:30 - 09:00	Registration
09:00 - 09:15	Opening Remarks: Harald Binder <i>Housekeeping:</i> - <i>Guided poster session begins at 13:00</i>
09:15 - 09:30	Welcome Address: Prof. Dr. Stefan Rensing

Session One

Theme: *Hurdles in Transferring AI techniques into Real-World Applications (more biomedicine)*

Chair: *Harald Binder*

Time	Event
09:30 - 10:00	International Speaker: Rodolphe Thiebaut <i>Topic TBD</i>
10:00 - 10:30	Speaker: Sonja Schimmler <i>Topic TBD</i>
10:30 - 10:45	Selected short talk: TBA <i>Topic TBD</i>
10:45 - 11:15	Coffee break
11:15 - 11:30	Speaker: Anna Köttgen <i>Topic TBD</i>
11:30 - 12:30	Panel Discussion: Lisa McShane, Matthias Mau, Rodolphe Thiebaut, Sonja Schimmler, Anna Köttgen , Daiana Stolz <i>Hurdles in Transferring AI techniques into Real-World Applications</i>
12:30 - 14:00	Lunch Break
13:00 - 14:00	Guided Poster Session #1

Session Two

Theme: *Data driven modelling versus scientific discovery and expert knowledge (more computer science)*

Chair: *Nadine Binder*

Time	Event
14:00 - 14:30	Speaker: Jan Hasenauer <i>Sparse clinical data: A call for population level models <u>OR</u> AI und mechanistische Modelle</i>
14:30 - 15:00	Speaker: Thomas Brox <i>Topic TBD</i>
15:00 - 15:15	Selected short talk: TBA <i>Topic TBD</i>

15:15 - 15:45	Coffee Break
15:45 - 16:15	Speaker: Frank Hutter <i>Topic TBD</i>
16:15 - 16:30	Selected short talk: TBA <i>Topic TBD</i>
16:30 - 17:30	Panel Discussion: Jan Hasenauer, Thomas Brox, Frank Hutter, Hannah Bast, Illka Diester, Noor Awad <i>Data driven modelling versus scientific discovery and expert knowledge (includes knowledge graphs)</i>
17:30 - 22:00	Canapés at the University
18:00 - 19:00	Guided Poster Session #2

Day Two (8th October)

Session Three

Theme: *The value of Mathematical Theory for Small Data Real-World Applications (more mathematics)*

Chair: *Carsten Dormann*

Time	Event
09:00 - 09:30	Invited Speaker: Sonja Greven <i>Fusing Deep Learning and Statistics</i>
09:30 - 10:00	Invited Speaker: Axel Munk <i>Topic TBD</i>
10:00 - 10:15	Selected short talk: TBA <i>Topic TBD</i>
10:15 - 10:45	Coffee break
10:45 - 11:15	Speaker: Angelika Rohde <i>Topic TBD</i>
11:15 - 11:30	Selected short talk: TBA <i>Topic TBD</i>
11:30 - 12:30	Panel Discussion: Axel Munk, Angelika Rohde, Sonja Greven, Maren Hackenberg, Holger Dette, Jens Timmer <i>The value of Mathematical Theory for Small Data Real-World Applications</i>
12:30 - 14:00	Lunch Break
13:00 - 14:00	Guided Poster Session #3

Session Four

Theme: *Navigating Similarity & Uncertainty: Statistical Approaches for Robust Predictions and Inferences in the Small Data Setting (more statistics / system modeling)*

Chair: *Anna Köttgen*

Time	Event
14:00 - 14:30	International Speaker: Arnaldo Frigessi <i>Tentative topic: digital twin of a breast cancer, to estimate biomarkers of treatment effect via estimated ODE</i>
14:30 - 15:00	International Speaker: Jan Gorodkin <i>Topic TBD</i>
15:00 - 15:15	Selected Short Talk: TBA <i>Topic TBD</i>
15:15 - 15:45	Coffee Break
15:45 - 16:00	Selected Short Talk: TBA <i>Topic TBD</i>
16:00 - 16:30	Speaker: Harald Binder <i>The Vision of CRC Small Data</i>
16:30 - 17:15	Panel: Arnaldo Frigessi, Jan Gorodkin, Harald Binder, Nadine Binder, Johannes Hertel, Adriani Nikolakopoulou <i>Navigating Similarity & Uncertainty: Statistical Approaches for Robust Predictions and Inferences in the Small Data Settings</i>
17:15 - 17:30	Wrap Up: Harald Binder