Program

July 24, 2025, Seminar room 1 (Franz-Mehring-Str. 47, Greifswald)

9:00: Welcome

9:05: **Juliane Schröter** (Columbia University, USA): *Building immunity: Modelling immune development and vaccine-induced protection*

9:45: **Lena Collienne** (Fred Hutchinson Cancer Center, USA): *Using Deep Learning to Guide Phylogenetic Tree Search*

10:25: Coffee break

10:45: **Kieran Collienne** (Fred Hutchinson Cancer Center, USA): *Faster Bayesian*

Tree Inference with Hamiltonian Monte Carlo

11:25: **Sophie Kersting** (Greifswald University): *From Phylogenetic Balance to Plant Architecture: Investigating Tree-like Structures in Evolution, Ecology, and Agriculture*

12:05: Official end of the mini-symposium

12:15: Lunch at the university's mensa (at own expense) → feel free to join us!