

RAPID ADAPTIVE CHANGE SYPOSIUM 2026

22.9.26 - 23.9.26 Institute of Plant Science and Microbiology (IPM), Klein Flottbek, University of Hamburg
E.507 Hörsaal Carl von Linné, Ohnhorststr. 18, 22609 Hamburg

Programme		
22th September 2026		
11:30	Registration	LFF-RAC Team
13:00	Welcome	Dominik Begerow & Kathrin Otte
Session 1: Evolution and adaptation in the context of environmental change		
13:15	Keynote Talk: Structural genomics in a plant-pathogenic fungus reveals rapid evolution and functional diversification of secreted proteins	Eva Stuckenbrock
14:00	The evolution of HLA diversity in a Native American population from ancient to modern times	Diyar Hamidi
14:15	Rapid evolution of degradation systems in Plants	Marco Trujillo Linke
14:30	How to study evolution of fungal parasites?	Dominik Begerow
14:45	Community adjustments and interaction network rewiring: do we need evolution for adaptive ecosystem responses to environmental change?	Jochen Fründ
15:00	Coffee Break	
Session 2: Collections, museomics and evolution		
15:30	Keynote Talk: Collection-based research in evolution – opportunities and challenges	Gudrun Kadereit
16:15	Using collections in Biomimetics	Linnea Hesse
16:30	Testing predicted ecological responses to major climate warming	William Foster
16:45	Evidence for rapid adaptive colour change in arthropods – temporal & geographic patterns	Mariella Herberstein
Poster Session with drinks and finger food		
17:00	Start	
19:30	End	
23th September 2026		
Session 3: New approaches in evolutionary studies		
09:00	Keynote Talk: Eco-evolutionary dynamics in microbial interactions	Lutz Becks
09:45	Lipid trafficking during mycobacterial infection	Aby Anand
10:00	Rapid adaptation: Experimental Evolution, Genomics and AI	Kathrin Otte
10:15	Phytoplankton and Climate Change	Elisa Schaum
10:30	Coffee Break	
Session 4: Evolutionary aspects of infections and medicine		
11:15	Keynote Talk: Evolutionary medicine of antibiotic therapy: How to prevent rapid bacterial adaptation to antibiotics	Hinrich Schulenburg
12:00	Host-parasite coevolution and local immunogenetic adaptation in vertebrates	Tobias Lenz
12:15	Early Interferon Pathways as Targets of Selection in an Anthropogenic Yellow Fever - Primate System	Joanna Malukiewicz
12:30	Wild house mouse genomic diversity and adaptive introgression	Jamie Winternitz
12:45	Wrap-up and Transition	Dominik Begerow & Kathrin Otte
13:00	Round table: Future perspectives	Dominik Begerow & Kathrin Otte
14:00	End	