

# Johns Hopkins University

## Department of Biology Special Seminar

Friday, 11:00 am

For more information go to: <https://bio.jhu.edu/events>

Zoom link: <https://zoom.us/j/97925356454?pwd=bjNuTlY1dlU9BcXcrRFdleis2TVNadz09pm>

October 25th, 2024 - Mudd 100



**Detlef Weigel**

Director

Max Planck Institute for Biology  
Tübingen, Germany

Host: Erik Andersen

## Imperfect Plants In an Imperfect World

My group is addressing fundamental questions in evolutionary biology, using both genome-first and phenotype-first approaches. A particular interest is in how organisms solve the problems associated with fluctuating selection pressures. I will discuss how our work has led to the discovery of new biology, and how our studies of genetic conflicts inform our knowledge of constraints in plant immunity. I will emphasize that an understanding of what is relevant in the real world requires the integration of detecting footprints of past selection in genomes, performing lab experiments to gain insight into molecular mechanisms, and observing how plants behave in the field.