



*Machine learning galore!*

# SCIENTIFIC MACHINE LEARNING

Thursday, June 27<sup>th</sup>, 2024: 16h30-18h00  
INF 205 Mathematikon, 5<sup>th</sup> floor

### Lab presentations

Roland Herzog

Georgia Koppe

Anna Kreshuk

### Rocket science

Evelyn Herberg (Herzog lab)

*Optimization in Machine Learning*

$$\begin{aligned} & \text{Minimize} && f_{\text{ext}}(\theta_{\text{ext}}) \\ & \text{s. t.} && M\theta_{\text{ext}} - m = \delta v \end{aligned}$$

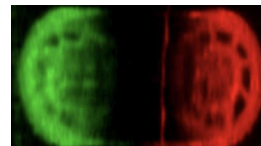
Manuel Brenner (Koppe lab)

*Creating digital twins of social Interaction partners*



Peter Park (Kreshuk lab)

*Seeing biology beyond the physics of light*



→ Registration is free but required:

<https://www.mlai.uni-heidelberg.de/en/machine-learning-talks-on-campus>

