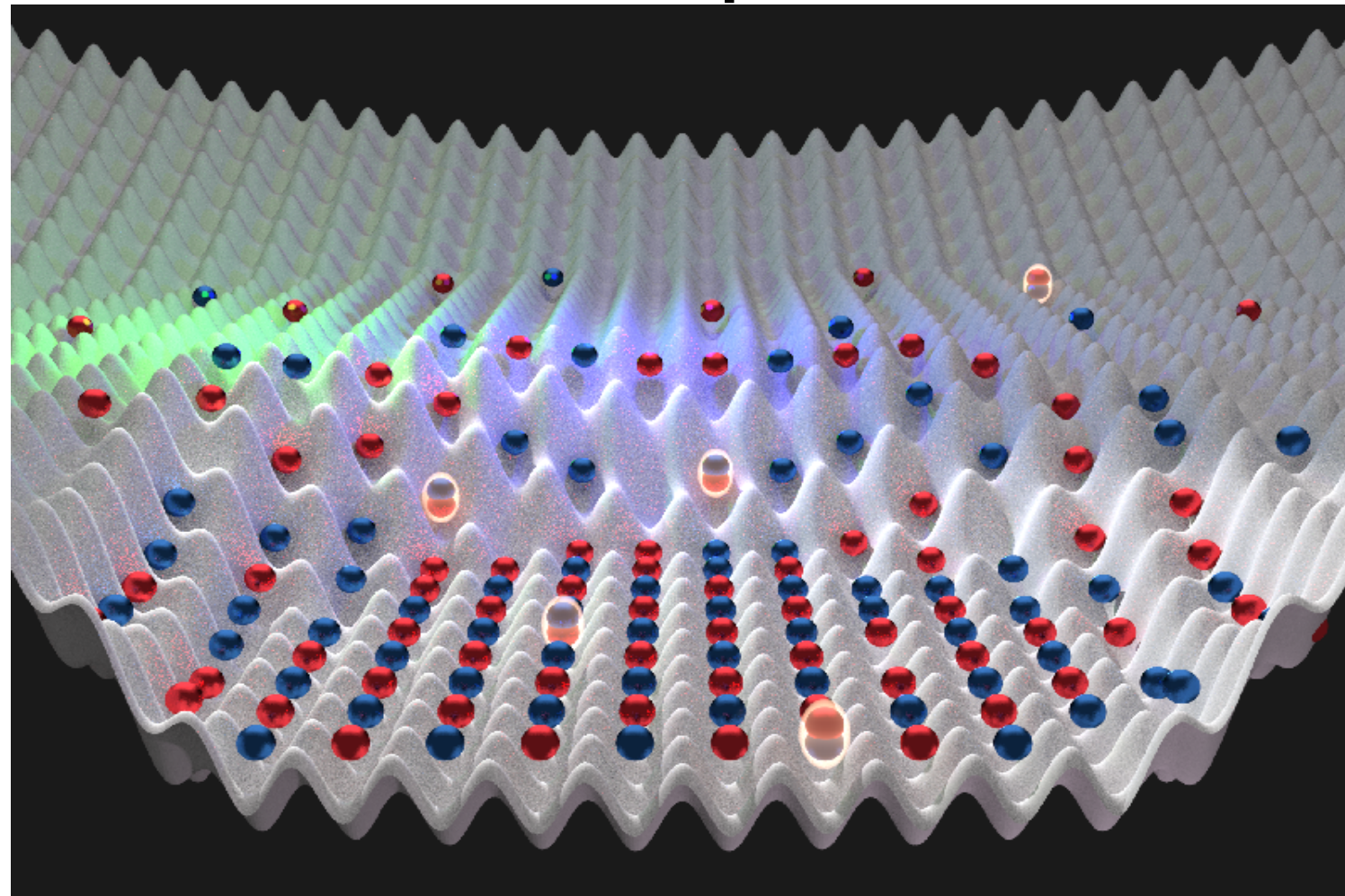


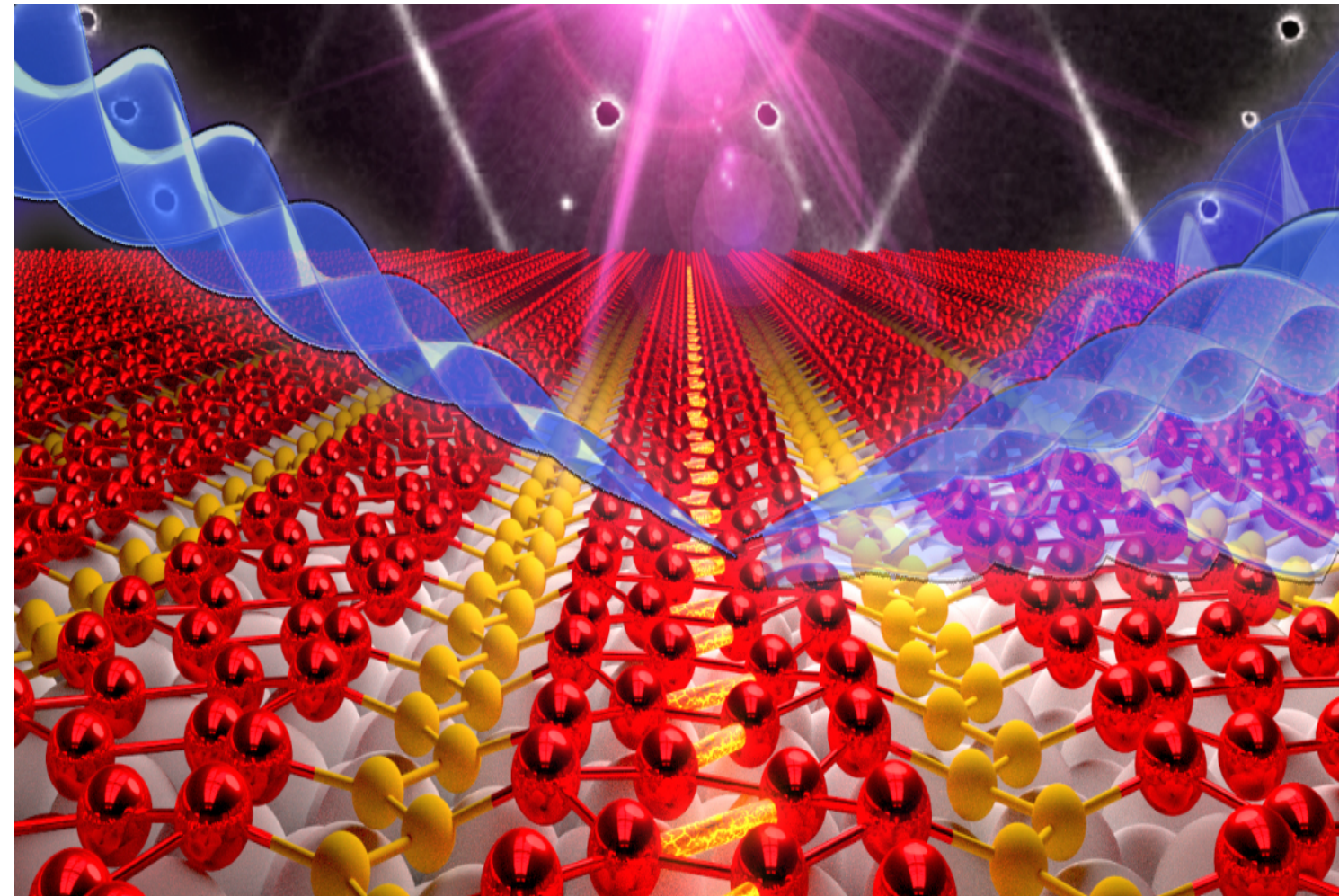
Quantum systems out of equilibrium

Cold atoms in optical lattice



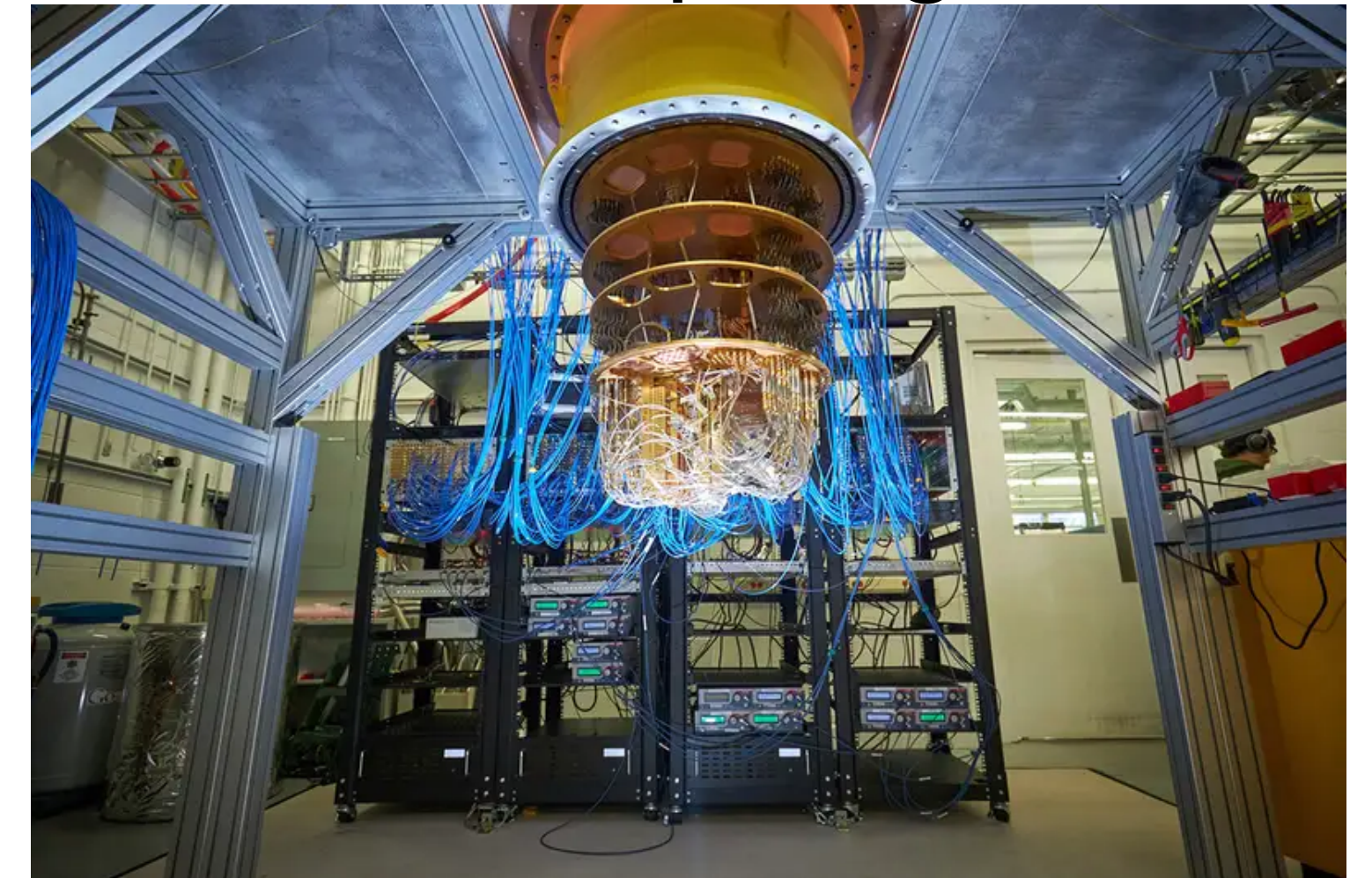
C. Chiu/Harvard University

Laser excitation of materials



<https://www.uni-due.de/sfb1242>

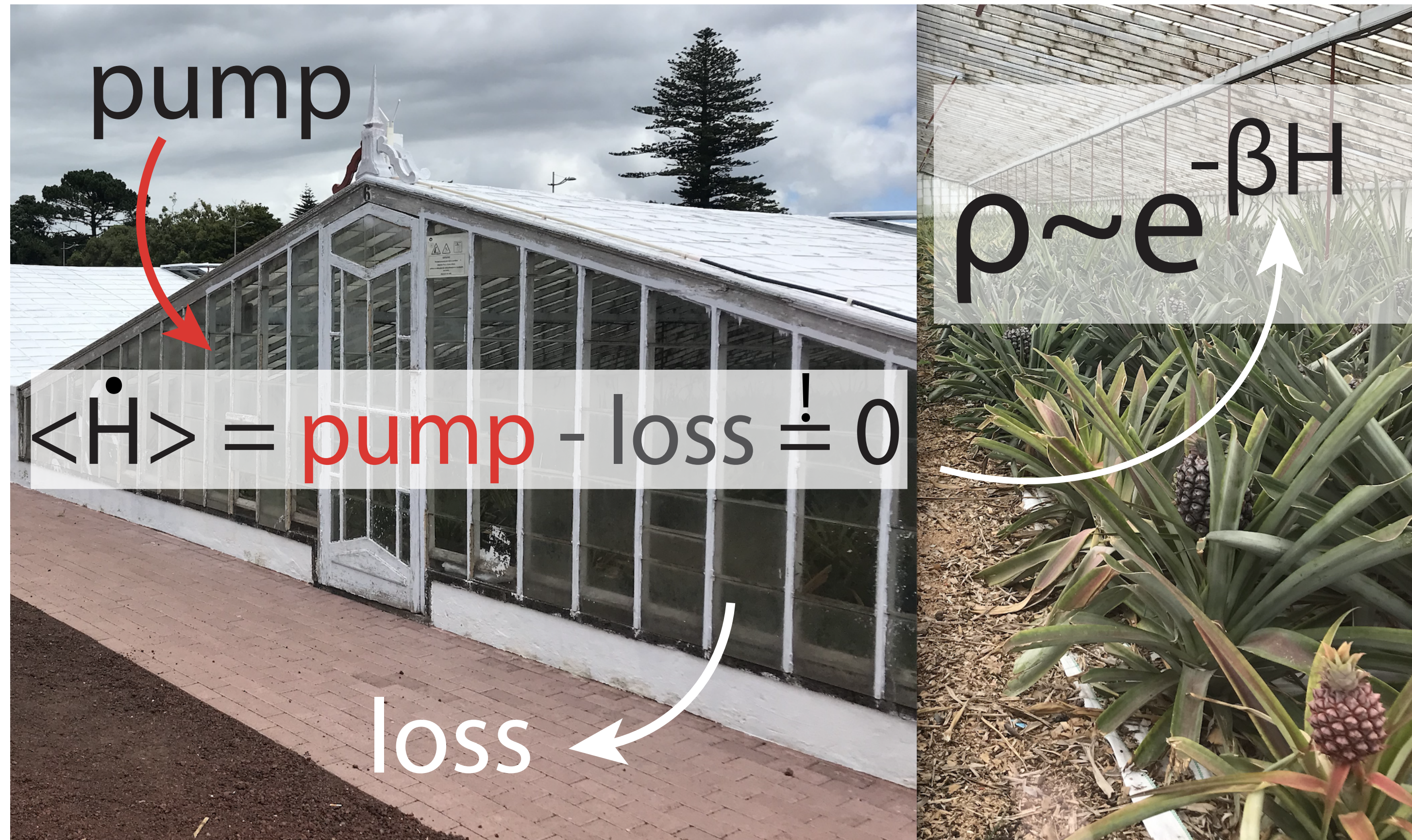
Quantum computing



Rocco Ceselin/Google

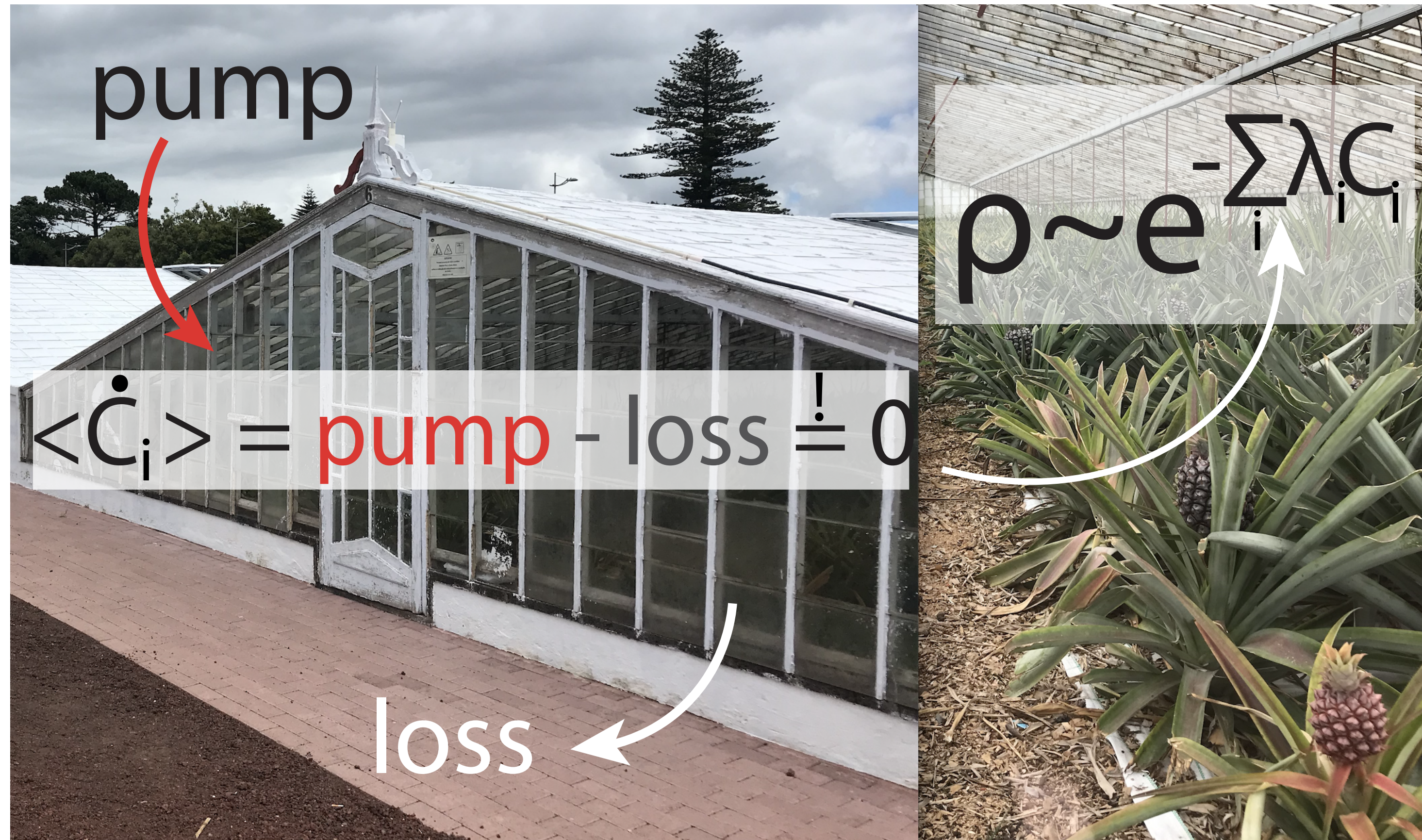
Basic understanding of quantum matter
New functionalities of materials
Quantum computing

Greenhouse principle



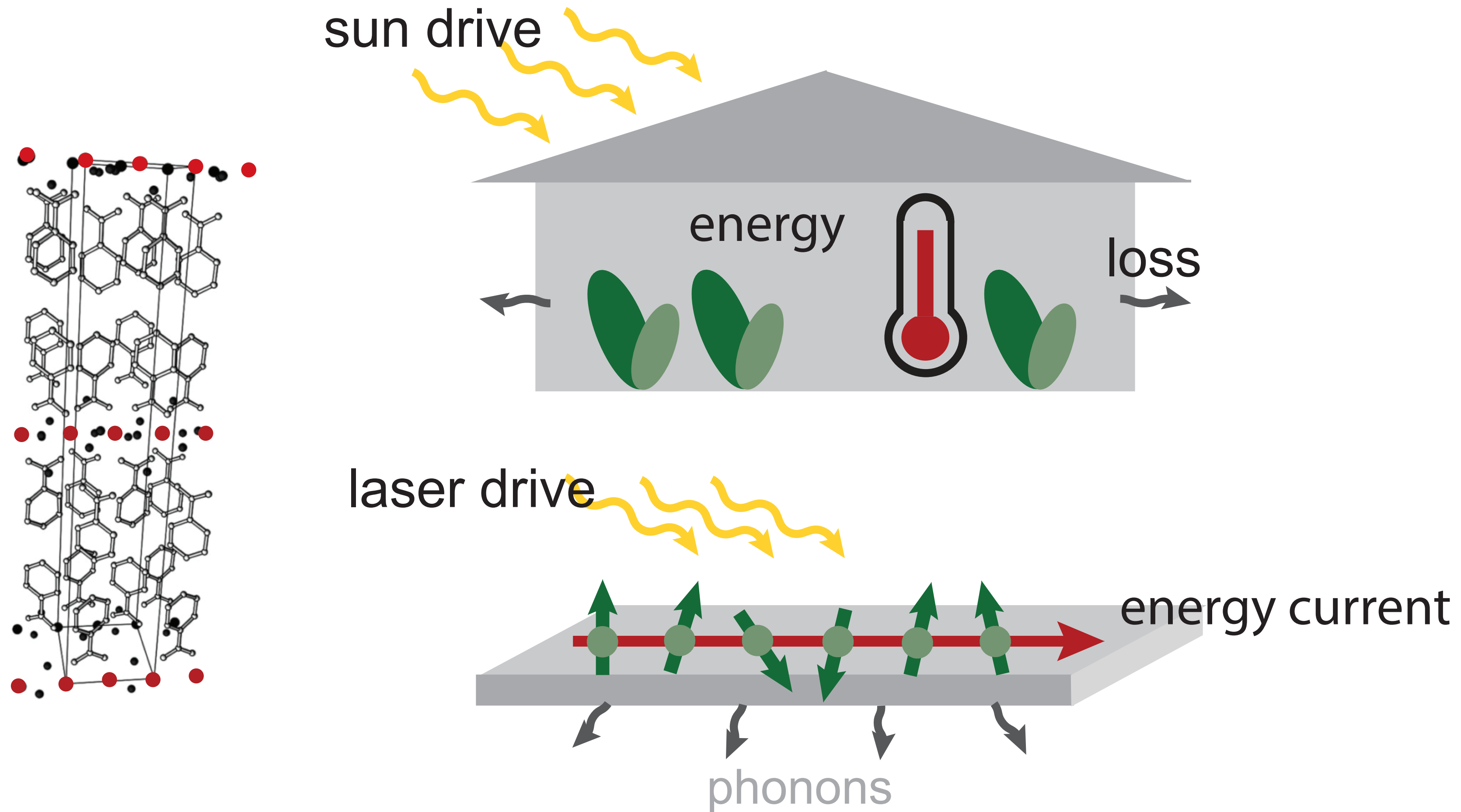
Compensate losses by driving: **hot interior from weak winter sun**

Generalized greenhouse principle



Compensate losses by driving: **other strong effects by weak driving?**

Generalized greenhouse principle



Compensate losses by driving: **generate large energy current ...**
other exotic properties of quantum states