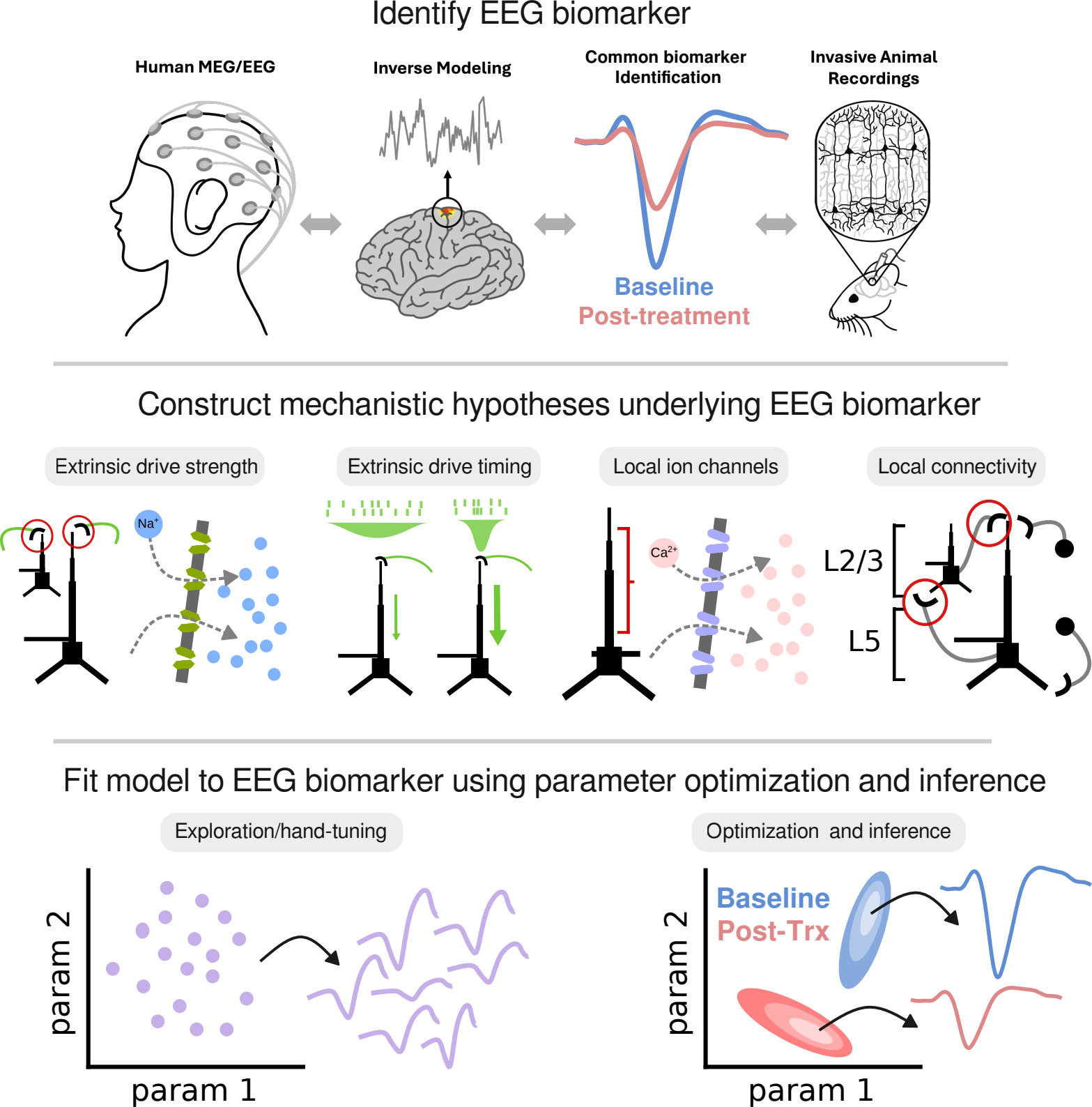
Identify EEG biomarker
Human MEG/EEG
Inverse Modeling
Common biomarker Identification
Invasive Animal Recordings
Baseline
Post-treatment
Construct mechanistic hypotheses underlying EEG biomarker
Extrinsic drive strength
Extrinsic drive timing
Local ion channels
Local connectivity
Na+
Ca2+
L2/3
L5
Fit model to EEG biomarker using parameter optimization and inference
Exploration/hand-tuning
Optimization and inference
param 2
param 1
Baseline
Post-Trx
param 2
param 1