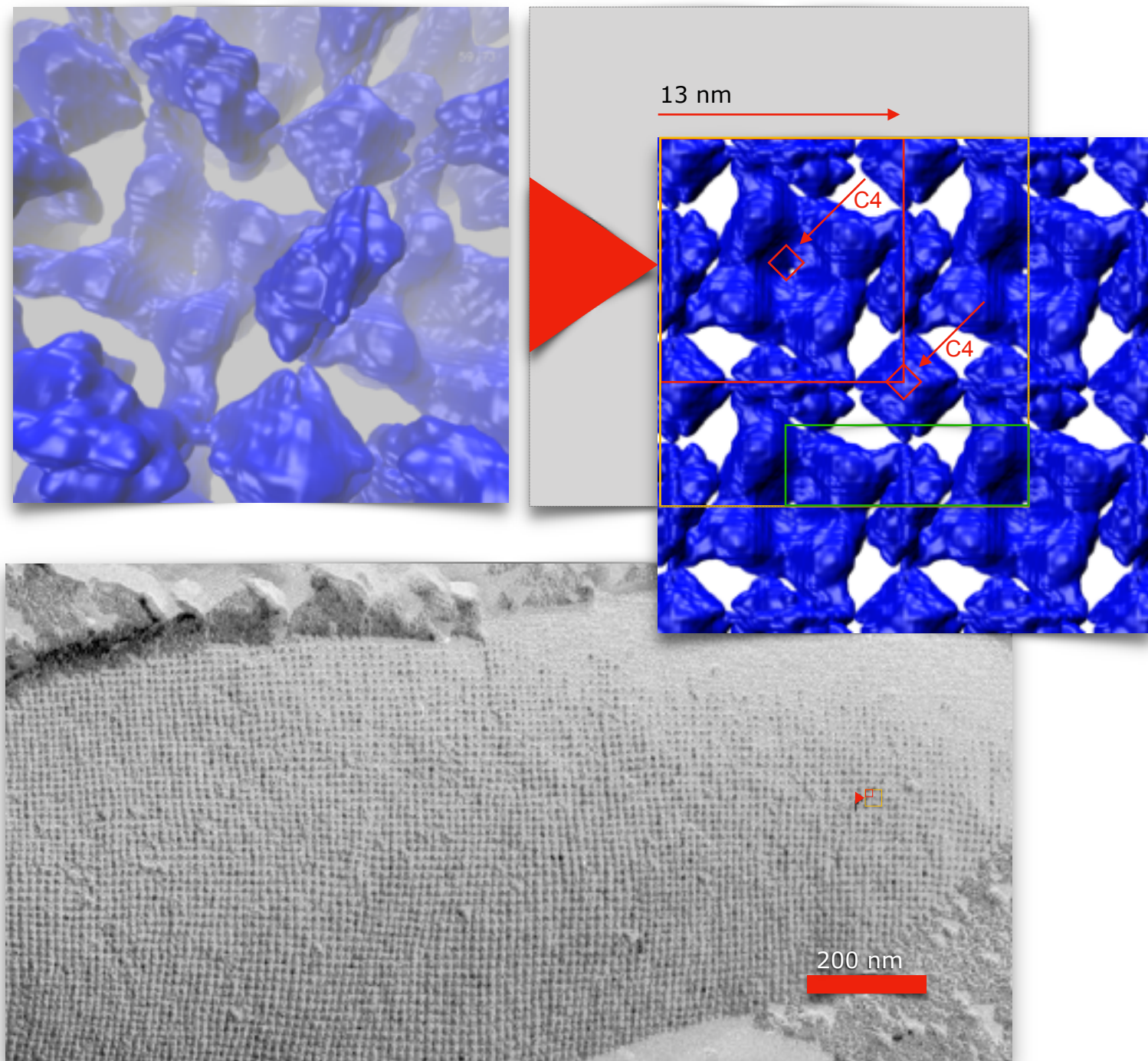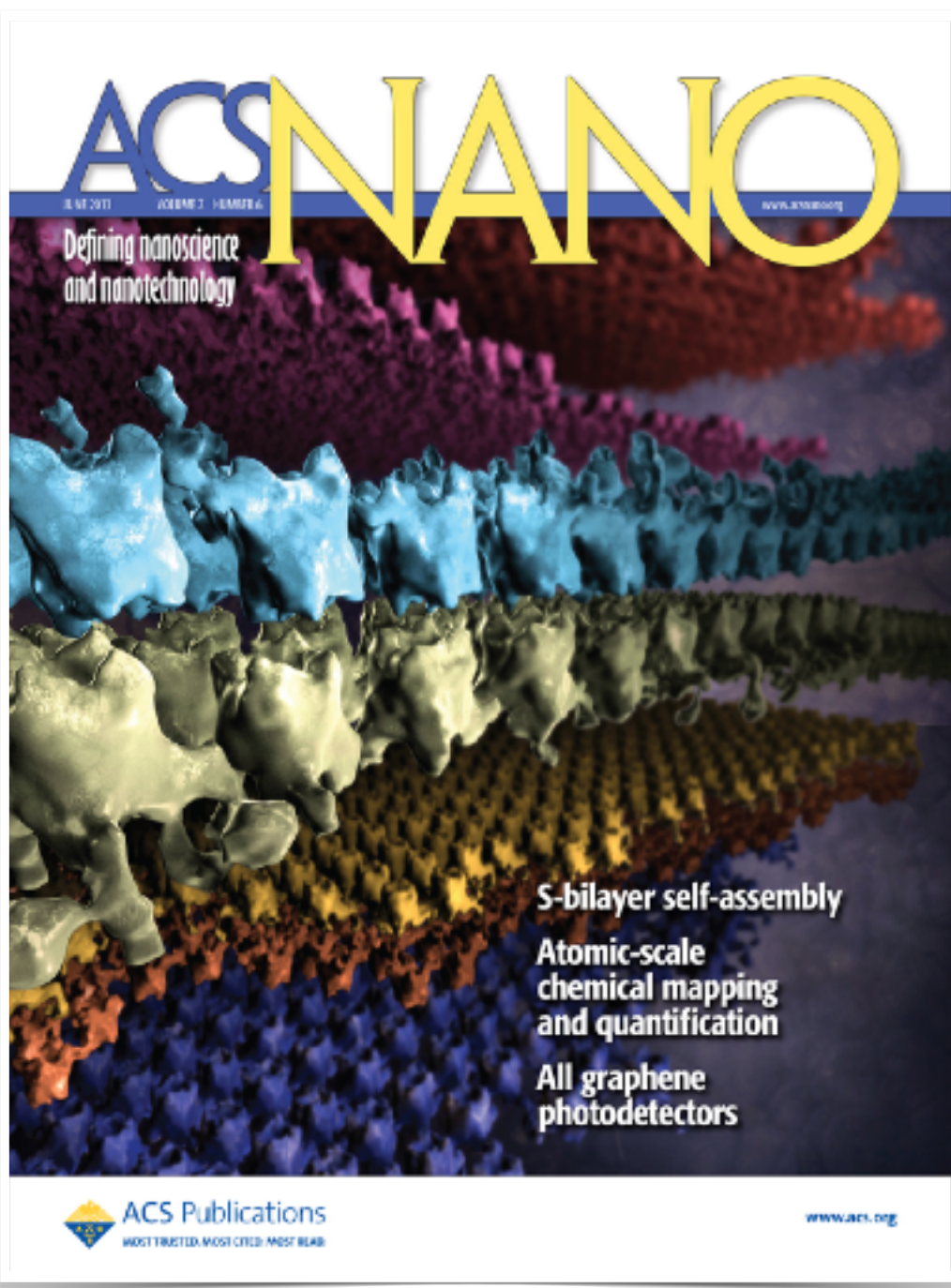# Combination of Experiments
Pictures and Correlations

(Thanks, to Seong Ho Shin, for initiating this scientific trip.

Combination of Experiments

Pictures and Correlations

Studies on surface layer proteins

CryoEM (Pictures) → densities in real space

SAXS (Correlations) → correlations in q-space

Surface layer proteins are self-assembled nanomembranes with highly selective structural motifs. Form-factor approximations (frequently used in SAXS to mimic real-space structures (as obtained by CryoEM)) are insufficient.

Keep in mind that there exists an **upper limit of parameters in** comparing CryoEM models to SAXS.