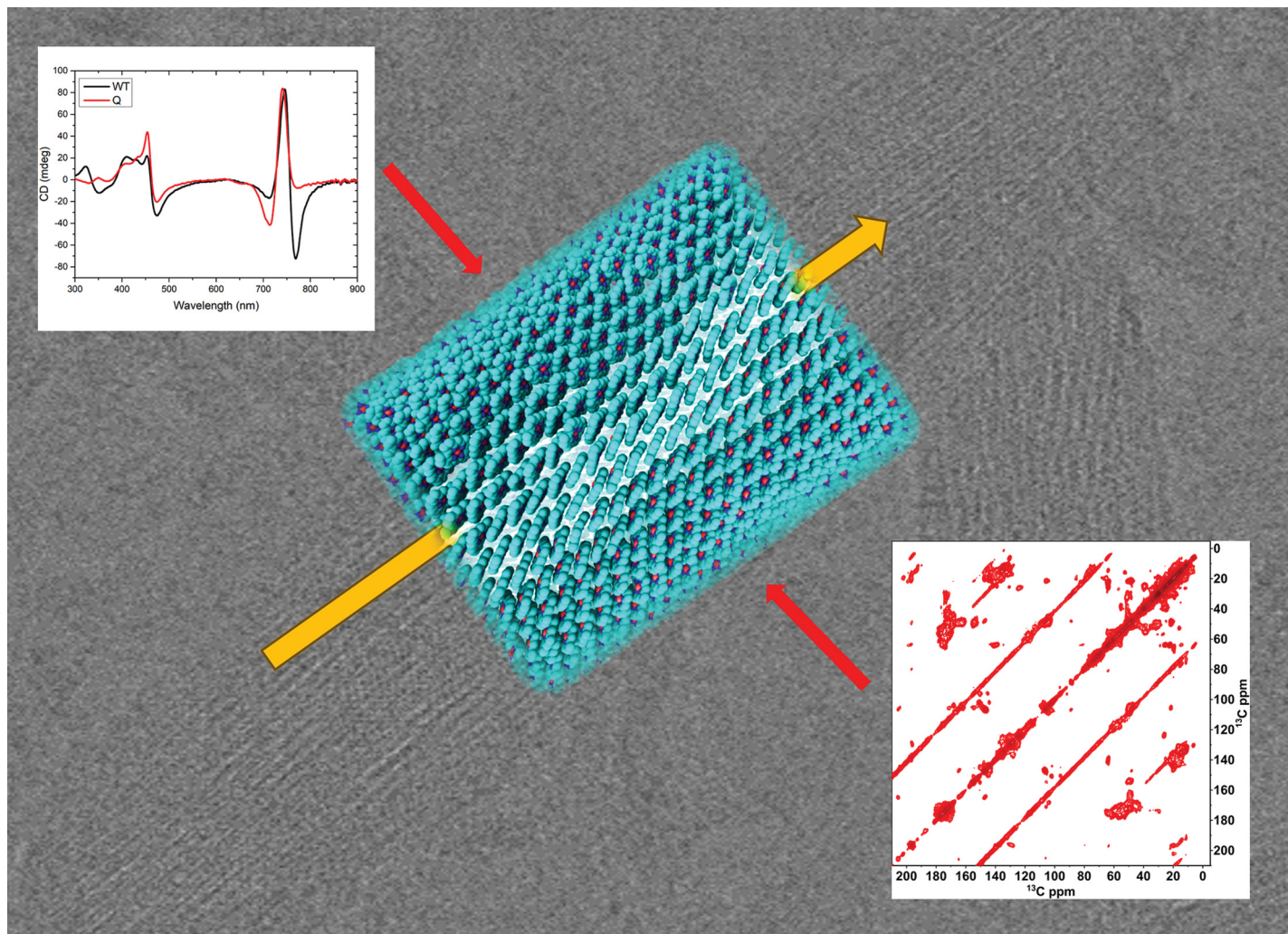




Showcasing research from Professor Huub de Groot's laboratory, Leiden Institute of Chemistry, Leiden University, Leiden, Netherlands.

An integrated approach towards extracting structural characteristics of chlorosomes from a *bchQ* mutant of *Chlorobaculum tepidum*

This image shows an integration of data recorded with MAS NMR (bottom right), cryo-EM (background), and circular dichroism spectroscopy (top left) in deducing the structure of *syn-anti* stacks within the chlorosomes of a mutant of *Chlorobaculum tepidum*. The visualization shows the orientation of the bacteriochlorophylls on the curved surface of a tubular assembly of molecular *syn-anti* stacks with a repeat of 1.49 nm in the direction of the tube axis that is highlighted with a yellow arrow.

As featured in:



See G. J. Agur Sevink, Huub J. M. de Groot *et al.*, *Phys. Chem. Chem. Phys.*, 2024, **26**, 15856.