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## Quantum cascade laser-based infrared spectrometer combined with small angle neutron scattering for life science applications.

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Using the amide I band, infrared spectroscopy can give information on the fold of the protein and also allows to follow aggregation phenomena. Small angle neutron scattering also reports on the global structure of proteins in solution and can give information on the shape of growing aggregates or folded proteins in solution. We would like to explore the capabilities of quantum cascade lasers (QCLs) for the combination of small angle neutron scattering with infrared spectroscopy.

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