



Contribution ID: 51

Type: **Invited Talk**

Canola protein digestion studied by SAS and Neutron Imaging

Tuesday, May 28, 2024 8:45 AM (25 minutes)

Proteins, as elements of the ingested food, can form structures at multiple spatial scales. We studied digestion of canola protein heat-set gels and monitored their structure by SANS (LLB), SAXS (Synchrotron Soleil) and Neutron Imaging (PSI). SANS coupled with Neutron imaging provided information about digested “real-like” foods on nm (local protein re-arrangements) and μm scale (large aggregates destruction), while in-situ capillary SAXS complemented SANS, showing complexity of protein digestion

Primary author: Ms NAPIERAJ, Maja (CNRS)

Co-authors: BRULET, Annie (Laboratoire Léon Brillouin UMR12 CEA CNRS); GARVEY, Christopher (FRM II, Technical University Munich); LUTTON, Evelyne (MIA, INRAE-AgroParisTech-UPsuy, Paris); Prof. BOUÉ, François (LLB-CNRS-CEA_UPSaclay France); PEREZ, Javier (Synchrotron SOLEIL, UPSay, Gif-sur-Yvette); STROBL, Markus (PSI)

Presenter: Ms NAPIERAJ, Maja (CNRS)

Session Classification: Presentations