

"Satellite Workshop:

"INRA-SOLEIL: the synchrotron approach in agriculture, food and environment sciences" (INRA-SOLEIL2015)

January 21st, 2015 at Synchrotron SOLEIL

Programme

08:45	Welcome and opening
09:25	Welcome adress and presentation of the meeting, Andrew Thompson , Scientific Director, Life Science SOLEIL
09:30	Olivier Le Gall , Deputy Director General for Scientific Affairs INRA
09:45	Jean Daillant , General Director SOLEIL
10:00	Session I : Environment and sustainable development Chair : Thierry Chardot
10:00 - 10:20	S. Ponton , A trace elements-based approach to tropical dendrochronology Ligne DIFFABS (EEF, Nancy)(15' + 5')
10:20 - 10:40	S. Mari , Plant cell nucleolus as a hot spot for iron, Ligne LUCIA(BPMB, Montpellier) (15' + 5')
10:40 -11:10	Break
11:10 - 11:30	M. Froissard , Green chemistry: infrared light reveals the cellular metabolism of yeasts, mini-factories producing tailored lipids, Ligne SMIS(IJPB, Versailles) (15' + 5')
11:30 - 11:50	D. Lourdin , Macromolecular orientation in shape memory starch materials by infra red microspectroscopy, Ligne SMIS (BIA, Nantes) (15' + 5')
11:50	Session II : New opportunities for life science at SOLEIL Chair : Paul Dumas
11:50 - 12:10	A. Somogy , Nanospectroscopy and nanoimaging, Nanoscopium(SOLEIL, Gif-sur-Yvette) (15' + 5')
12:10 - 12:30	T. Weitkamp , Phase-contrats tomography and full-field X-ray microscopy, Anatomix(SOLEIL, Gif-sur-Yvette) (15' + 5')
12:30 - 14h00	Lunch

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14:00	<p align="center">Session III : Biology Bioresources Chair : Monique Axelos</p>
14:00 - 14:20	A. Buléon , High resolution time resolved 3D imaging of in situ enzymatic reactions : starch hydrolysis, Ligne DISCO(BIA, Nantes) (15' + 5')
14:20 - 14:40	F. Lecoite , Dynamic and structural study of the Bacillus subtilis Nonhomologous End joining repair machinery, Ligne SWING (MICALIS, Jouy) (15' + 5')
14:40 - 15:00	T. Chardot , Structure of seed oil bodies proteins, Lignes DISCO, METRO (IJPB, Versailles) (15' + 5')
15:00 - 15:20	C. Chevalier , Amyloid fibers of PB1 proteins of influenza virus, Lignes SMIS, DISCO (VIM, Jouy) (15' + 5')
15:20 - 15:40	Break
15:40	<p align="center">Session IV : Nutrition, health Chair : Alain Buléon</p>
15:40 - 16:00	F. Fonseca , Understanding of the cold resistance of lactic acid bacteria, Lignes DISCO, SMIS(GMPA, Grignon) (15' + 5')
16:00 - 16:20	O. Vitrac , When UV light of DISCO beamline sheds the light on... French Fries, LignesDISCO (Genial, Massy) (15' + 5')
16:20 - 16:40	F. Canon , Astringency and polyphenols, Lignes DISCO, DESIRS, SWING(CSGA, Dijon) (15' + 5')
16:40 - 17:00	M. Galloux , RN-P complexes of the syncytial respiratory virus, Ligne SWING(VIM, Jouy) (15' + 5')
17:00 - 18:00	<p align="center">Round table Monique Axelos, Head of division INRA Andrew Thompson, Scientific Director, Life Science SOLEIL Gilles Aumont, Director of research infrastructures (INRA, Paris) Matthier Refregiers (SOLEIL,Paris)</p>
18h00 - 18h05	Conclusion words