

4th School of SAXS Data Analysis

Program Schedule
11th to 15th May 2015

Monday, May 11th, 2015

Arrival of the students

10h00: Registration at LNLS (*LNLS auditorium*)

Welcome

11h30-13h00: Florian Meneau (LNLS) - Introduction to Synchrotron Radiation

13h00-14h00: Lunch

14h00-16h00: Javier Pérez (SOLEIL, France): Bio - Small Angle X-Ray Scattering: Theory

16h00-16h30: Coffee Break

16h30-17h00: Software installation

17h00-18h00: Visit of the synchrotron

18h00: Bus departure from LNLS

Tuesday, May 12th, 2015

8h30: Bus departure for LNLS

(*LNLS auditorium*)

09h00-11h00: Jan Ilavsky (APS, USA): Small Angle X-Ray Scattering for Nanomaterials

11h00-11h30: Coffee Break

11h30-13h00: Ricardo Aparicio (UNICAMP): Complementarity of SAXS and Macromolecular Crystallography

13h00-14h00:

Lunch

14h00-18h00:

Biology groups BIO1 & BIO2	Material Science groups MAT1 & MAT2
SAXS data treatment/tutorials	SAXS data treatment/tutorials
J Pérez & R Aparicio	J Ilavsky
Room: LNLS auditorium	Room: CTBE auditorium

18h00: Bus departure from LNLS

Wednesday, May 13th, 2015

8h30: Bus departure for LNLS

(*LNLS auditorium*)

09h00-11h00: Vesna Stanic (LNLS): Small angle scattering and poorly ordered, multi-phase system

11h00-11h30: Coffee Break

11h30-12h00: Introductory lecture 1 (EXAFS)

12h00-12h30: Introductory lecture 2 (XRD)

12h30-13h00: Presentation of Anton Paar

13h00-14h00:

Lunch

14h00-18h00:

Biology groups BIO1 & BIO2	Material Science groups MAT1 & MAT2
SAXS data treatment/tutorials	SAXS data treatment/tutorials
J Pérez & R Aparicio	J Ilavsky
Room: LNLS auditorium	Room: CTBE auditorium

18h00: Bus departure from LNLS

Thursday, May 14th, 2015

8h30: Bus departure for LNLS

*SAXS Measurement day at the LNLS beamlines*09h00-11h00: Tutorials on the SAXS beamlines (*Visit of LNNano and LNBio by BIO2 & MAT2*)

Biology group BIO1	Material Science group MAT1
SAXS data acquisition and treatment	SAXS data acquisition and treatment
R Aparicio	V Stanic
Room: Synchrotron SAXS1	Room: Synchrotron SAXS2

11h00-13h00: Tutorials on the SAXS beamlines (*Visit of LNNano and LNBio by BIO1 & MAT1*)

Biology group BIO2	Material Science group MAT2
SAXS data acquisition and treatment	SAXS data acquisition and treatment
R Aparicio	V Stanic
Room: Synchrotron SAXS1	Room: Synchrotron SAXS2

13h00-14h00: Lunch

14h00-16h00:

Biology groups BIO1 & BIO2	Material Science groups MAT1 & MAT2
SAXS data treatment	SAXS data treatment
R Aparicio	J Ilavsky
Room: LNLS auditorium	Room: CTBE auditorium

16h00-16h30: Coffee Break

16h30-17h15: Loredana Pop (Anton Paar Germany) RheoSAXS - Applications and Instrumentation Options for Synchrotron Beamlines

17h15-18h00: Gerd Langenbuche (Anton Paar Americas) Benchtop SAXS and how it complements Synchrotron SAXS

18h00: Bus departure from LNLS

Friday, May 15th, 2015

8h30: Bus departure for LNLS

*(LNLS auditorium)*09h00-10h00: Introductory lecture 3 (*Microscopy @ LNnano*)10h00-12h00: Celso Santilli (UNESP): *Small Angle Scattering and Sol-Gel Chemistry*

12h00-13h00: Open discussions

13h00-14h00: Lunch