

POSTERS SUBMITTED FOR THE POSTER SESSION
Plenary Session, Tuesday 4th February, 18:00 - 19:30

Poster #	Name	First name	Author(s)	Poster title
19	BERRUYER	Camille	Camille Berruyer, Philippe Candegabe, Paul Tafforeau	Egyptian animal cult investigated with Synchrotron light: Mummies from the Grenoble Natural History Museum
6	BLANC	Catherine	Catherine Blanc	Index of ESRF Beamlines by Scientific Topics & Techniques
7				Index of CRG Beamlines by Scientific Topics & Techniques
4	BLASETTI	Cecilia	Cecilia Blasetti	Wayforlight : The catalogue of European light sources
20	BOBYLEVA	Zoia	Z.V. Bobyleva, K.A. Dosaeu, O.A. Drozhzhin, E.V. Antipov	Revealing of the charge storage mechanism upon sodiation in carbon materials
28	BOUAT	Sophie	Sophie Bouat	What Large Scale Facilities Bring To Industries
21	BOYTSOVA	Olga	Olga Boytsova, Andrey Eliseev, Vladimir Ivanov, Alexey Bosak	Structure transformation into VxTi1-xO2 mesocrystals
22	CAMIN	Bettina	Bettina Camin, Alexander Epishin, Lennart Hansen	3D μ -tomography analysis on Kirkendall-porosity in Ni/ Ni-base-superalloy diffusion couples
59	CARLES	Bosch	Carles Bosch, Tobias Ackels, Alexandra Pacureanu, Christopher Peddie, Manuel Berning, Norman Rzepka, Marie-Christine Zdora, Malte Storm, Isabell Whiteley, Lucy Collinson, Troy Margrie and Andreas T Schaefer	Ultrastructure and function of a genetically-identified mouse glomerular column studied by correlative in vivo physiology, synchrotron X-ray tomography and volume electron microscopy
52	CASADEI	Cecilia Maria	C. Casadei, K. Nass, A. Barty, M. Hunter, C. Padeste, D. Ozerov, M. Colemann, X. Li, M. Frank, B. Pedrini	From two dimensional crystal serial diffraction to a three dimensional intensity set: paving the way to the time-resolved study of large scale movements in membrane proteins.
5	CHENEVIER	Delphine	Delphine Chenevier	Lightsources
60	CLEMENTE	Ilaria	Ilaria Clemente, Claudia Bonechi, Maria Bacia-Verloop, Claudio Rossi, Sandra Ristori	Green nonlamellar lipid phases as nanovectors for biomolecule delivery
35	CLOETENS	Peter	S. Bohic, J.C. da Silva, A. Pacureanu, M. Salome, Y. Yang, P. Cloetens	Coherent X-ray imaging at ID16A: status and plans
53	DEPERNET	Hadrien	Hadrien Depernet, Guillaume Gotthard, Nathan C. Shaner, Xiaokun Shu, Gerard G. Lambert, Sylvain Aumonier, Gordon Leonard, Antoine Royant	Structural characterisation of near infrared and GFP-like fluorescent proteins
23	DROZHZHIN	Oleg	O.A. Drozhzhin	High-voltage Li1+xNi0.5Mn1.5O4 materials: synthesis, electrochemistry and phase transitions behavior
24	DUPRAZ	Maxime	Maxime Dupraz, Longfei Wu, Stéphane Labat, Marc Verdier, Olivier Thomas, Jan-Philip Hofmann, Steven Leake, Andrea Resta, Alessandro Coati, Ni Li, Felisa Berenguer, A. Vlad, Yves Garreau, Marie-Ingrid Richard	Evolution of the deformation of catalytic Ni nanoparticles during the methanation reaction
31	FALSINI	Sara	Falsini Sara, Clemente Iliaria, Tani Corrado, Schiff Silvia, Gonnelli Cristiana, Papini Alessio, Ristori Sandra	Lignin nanocapsules for bioactive compounds transport in agriculture
61	FAZZARI	Jennifer	Cristian Fernandez-Palomo, Jennifer Fazzari, Marine Potez, David Haberthur, Verdiana Trapetti, Elke Brauer-Krisch, Michael Krisch, Herwig Requardt, Jean Laissue, James Hainfeld, Valentin Djonov	Synchrotron Microbeam Radiation Therapy and Gold nanoparticles: a combined preclinical treatment in a mouse melanoma model
54	FERNANDEZ MARTINEZ	David	David Fernandez-Martinez, Eaazhisai Kandiah, Magali Mathieu, Gordon Leonard	Structural studies of multispecific Antibody/Antigen complexes by cryo-EM
62	FERNANDEZ PALOMO	Cristian	Cristian Fernandez-Palomo, Verdiana Trappetti, Marine Potez, Elke Brauer-Krisch, Herwig Requardt, Michael Krisch, Valentin Djonov	Complete Melanoma Remission After Fractionated Microbeam Radiotherapy
25	GADZHIMAGOMEDOVA	Zaira	Z. M. Gadzhimagomedova, A. V. Soldatov, M. A. Soldatov	Micro-XANES analysis of the distribution of magnetic nanoparticles in tumor tissues
55	GIACHIN	Gabriele	Giulia Salzano, Martha Brennich, Giordano Mancini, Thanh Hoa Tran, Giuseppe Legname, Paola D'Angelo, Gabriele Giachin	Deciphering copper coordination in the mammalian prion protein amyloidogenic domain
9	GLATZEL	Pieter	Pieter Glatzel, Andrei Rogalev, Catherine Blanc	ESRF Electronic Structure, Magnetism & Dynamics Group

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56	GRINZATO	Alessandro	<u>Alessandro Grinzato</u> , E. Kandiah, C. Lico, C. Betti, S. Baschieri, G. Zanotti	Cryo-EM atomic structure of Potato Virus X
15	HAHN	Michael	<u>Michael Hahn</u> , Catherine Blanc	French Collaborating Research Groups
16				Swiss-Norwegian Dutch-Belgian Research Groups
17				German Italian Spanish UK Research Groups
8	HONKIMÄKI	Veijo	<u>Veijo Honkimäki</u> , Alexander Rack, Catherine Blanc	ESRF Structure of Materials Group
57	HUMM	Anne Sophie	Shibom Basu, Robert Heale, <u>Anne-Sophie Humm</u> , Florine Dupeux, Cédric Leyrat, Andrea Pica, Andrew McCarthy, Sébastien Granier, José A. Márquez	An automated and universal approach for high-throughput serial crystallography of membrane proteins based on the CrystalDirect technology
32	JANKOWSKI	Maciej	<u>M. Jankowski</u> , A. Saedi, F. La Porta, A. Manikas, J.M. de Voogd, G.J.C. van Baarle, I. Groot, C. Galiotis, G. Renaud and O. Kononov	New opportunities for in situ and operando study of 2D materials growth on liquid metal surfaces at ID10 beamline
26	KAMYSHOVA	Elizaveta	<u>E. Kamysheva</u> , A. Skorynina, A. Lazzarini, A. Bugaev, U. Olsbye, A. Soldatov	X-ray absorption spectroscopy study of metal-organic frameworks functionalized by Pd for catalytic hydrogenation of CO ₂
27	KIRSANOVA	Daria	<u>D. Yu. Kirsanova</u> , M. A. Soldatov, A. V. Soldatov	µXRF analysis of the distribution of magnetic nanoparticles in tumor tissues
58	KRUPYANSKIY	Yury	V. Kovalenko, N. Loiko, E. Tereshkin, K. Tereshkina, A. Popov, <u>Y. Krupyanskiy</u>	X-ray data collection and structure solving of Dps protein by multiple-crystal macromolecular crystallography methods
75			<u>Y. Krupyanskiy</u> , N. Loiko, V. Kovalenko, A. Moiseenko, A. Popov, K. Tereshkina, O. Sokolova	DNA condensation in bacteria
43	KUTSAL	Mustafacan	<u>Mustafacan Kutsal</u> , Grethe Winthers, Carsten Detlefs, Henning Friis Poulsen	3DXRD microscopy with enhanced spatial resolution
33	LA PORTA	Francesco	<u>Francesco La Porta</u>	Graphene on liquid copper: X-ray reflectivity and surface diffraction analysis
13	LEONARD	Gordon	<u>Gordon Leonard</u> , Christoph Mueller Dieckmann, Catherine Blanc	ESRF Structural Biology Group (1/2)
14			<u>Gordon Leonard</u> , Christoph Mueller Dieckmann, Catherine Blanc	ESRF Structural Biology Group (2/2)
38	LEPORE	Giovanni Orazio	Marta Marmiroli, <u>Giovanni Orazio Lepore</u> , Luca Pagano, Francesco d'Acapito, Alessandra Gianoncelli, Marco Villani, Laura Lazzarini, Jason C. White, Nelson Marmiroli	The fate of CdS Quantum Dots in A. Thaliana as revealed by EXAFS
44	MANSOUR	Claudette	<u>C. Mansour</u> , M. Benwadih, C. Revenant, G. A. Chahine.	Sol-Gel Barium Strontium Titanate thin films studied by GISAXS
45	MARTINI	Andrea	<u>A. Martini</u> , E. Borfecchia, A.V. Soldatov, S. Bordiga	Wavelet Analysis of in situ and operando EXAFS data: a qualitative and quantitative approach.
76	MATIAS	Pedro	<u>Pedro M. Matias</u> , Sónia Zacarias, Adriana Temporão, Melisa del Barrio, Vincent Fourmond, Christophe Léger & Inês A C Pereira	Improving the O ₂ resistance of a [NiFeSe] hydrogenase
10	MEZOUAR	Mohamed	<u>Mohamed Mezouar</u> , Aleksandr Chumakov, Catherine Blanc	ESRF Matter at Extremes Group
29	MITCHELL	Edward	The InnovaXN COFUND Team	InnovaXN: A new Marie Skłodowska-Curie COFUND for industrial R&D with synchrotron X-rays and neutrons
30			Business Development Office	Working with Industry at the ESRF
77	MORIACHKOV	Roman	<u>Roman V. Moryachkov</u> , Galina S. Zamay, Polina V. Artyushenko, Irina A. Shchugoreva, Vladimir N. Zabluda, Alexey E. Sokolov, Ekaterina A. Moryachkova, and Anna S. Kichkailo	Structure analysis of the aptamer - cancer cells magnetic separation agent
78	PESHKOVA	Evgeniya	<u>E. Pechkova</u> , C. Riekel, C. Nicolini	Langmuir-Blodgett nanofilms as a potential tool for protein structural studies.
79	PHAN	Gilles	Phan Gilles, Housseini-b-Issa Karim, Michèle Salem, Marie-Bernard Lascombe, and Broutin Isabelle.	Structure of the two-component system response regulator ParR from Pseudomonas aeruginosa.
36	PLASS	Christian	<u>C. Plass</u> , M. Ritzer, P. Schöppe, S. Schönherr, A. Johannes, G. Martínez-Criado, P. Jackson, R. Würz, C. S. Schnohr, C. Ronning	Combined In-Operando XBIC and XRF Nanoimaging on Cu(In,Ga)Se ₂ Solar Cells with Rb Post Deposition Treatment
39	PLATUNOV	Mikhail	I. Gudim, E. Ovchinnikova, K. Kozlovskaya, F. Wilhelm, V. Ivanov, A. Mukhin, V. Dmitrienko, A. Rogalev, and <u>M. Platonov</u>	Mapping the twinning in multiferroic single crystals

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71	PONTONI	Diego	Marie Capron, Nicolas Daval, Joseph Hessel, Peter van der Linden, Pierre Lloria, Zakari Mehta, Alain Panzarella, Yuri Gerelli, and <u>Diego Pontoni</u>	PSCM Support Labs for Users, Partners and Staff
80	POPOV	Anton	<u>Anton Popov</u> , Peter van der Linden, Diego Pontoni, Gordon Leonard	Recent development in 3D printed microfluidic devices for structural biology applications
46	RACK	Alexander	<u>A. Rack</u>	The refurbished ID19 beamline: a versatile station for synchrotron-based full-field hard X-ray microimaging
47	REGLI	Samuel	<u>Samuel K. Regli</u> , Endre Fenes, Hongfei Ma, Kumar R. Rout, Terje Fuglerud, De Chen, Magnus Rønning	Elucidating the copper species in alumina supported CuCl ₂ -catalysts during oxychlorination of ethylene to 1,2-dichloroethane by operando XAFS, PXRD and UV-Vis using MCR-AR analysis
40	REPCHENKO	Iurii	M.A. Andreeva, R.A. Baulin, M.M. Borisov, E.A. Gan`shina ¹ , G.V. Kurl'yanskaya, E.Kh Mukhamedzhanov, <u>Yu.L. Repchenko</u> and A.V. Svalov	X-ray magnetic dichroism of GdCo film studied by reflectivity with polarization selection
41	RETEGAN	Marius	Marius Retegan	Crispy: a modern user interface for core-level spectroscopy calculations
37	RITZER	Maurizio	<u>Maurizia Ritzer</u> , Sven Schönherr, Christian Plass, Philipp Schöppe, Andreas Johannes, Sergio Giraldo, Galina Gurieva, Gema Martínez-Criado, Susan Schorr, Edgardo Saucedo, Claudia S. Schnohr, Carsten Ronning	Spatially resolved distribution and structure of Ge in Cu ₂ ZnSnSe ₄ thin film solar cells
11	SCHÜLLI	Tobias	<u>Tobias Schüllli</u> , Marine Cotte, Catherine Blanc	ESRF X-ray Nanoprobe Group
42	SCHULZE	Kai Sven	<u>K.S. Schulze</u> , B. Grabiger, R. Löttsch, B. Marx-Glowna, A.T. Schmitt, I. Uschmann, T. Stöhlker, R. Röhlberger, G.G. Paulus	High precision X-ray polarimetry at extreme brilliant sources
48	SKORYNINA	Alina	<u>A.A. Skorynina</u> , A.L. Bugaev, A. Lazzarini, L.G. Kamysheva, U. Olsbye, E. Borfecchia, K.A. Lomachenko, A. Guda, S. Bordiga, C. Ahoba-Sam, A.V. Soldatov	Structural characterization of Pd- and Pt-functionalized MOFs during in situ and operando experiments
72	SZTUCKI	Michael	<u>M. Sztucki</u> , T. Zinn, P. Boesecke, T. Narayanan	Time-Resolved Ultra-Small-Angle X-ray Scattering (TRUSAXS) beamline at ESRF-EBS
73	TRAPPETTI	Verdiana	<u>Verdiana Trappetti</u> , Cristian Fernández-Palomo, Paolo Pellicoli, Michael Krisch, Elke Bräuer-Krisch, Jean A. Laissue, Herwig Requardt, Alberto Bravin, Thomas Marti, Valentin Djonov	Early molecular mechanisms after Synchrotron Microbeam Radiation Therapy in normal lung tissue
49	USOLTSEV	Oleg	<u>O.A. Usoltsev</u> , A.L. Bugaev, A.A. Guda, S.A. Guda, A.V. Soldatov	Extraction of structural parameters for XANES analysis of Palladium nanoparticles
12	WULFF	Michael	<u>Michael Wulff</u> , Oleg Kononov, Catherine Blanc	ESRF Complex Systems and Biomedical Sciences Group
50	ZAKHARKIN	Maksim	<u>M.V. Zakharkin</u> , O.A. Drozhzhin, I.V. Tereschenko, D. Chernyshov, A.M. Abakumov, E.V. Antipov, K.J. Stevenson	High Voltage Activation of the NASICON-Type Na ₄ MnV(PO ₄) ₃ Cathode studied by operando X-ray diffraction
74	ZINN	Thomas	<u>Thomas Zinn</u> , Theyencheri Narayanan et al.	Time-Resolved Small-Angle X-ray Scattering: Monitoring the Structural Development