

## PERSONAL INFORMATION



## SILIQI Dritan

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Gender Male | Date of birth 21 April 1960 | Nationality Italian, Albanian

## OCCUPATIONAL FIELD

## Public research

## WORK EXPERIENCE

January 2021 – Present

**Senior scientist (full time / permanent position). Register Code: 10156**

Institute of Crystallography-CNR, Via G. Amendola 122/O, 70122 Bari (Italy))

Crystallography applied in biology and material science.

Head of Bio-Crystallization Laboratory

**Business or sector** Research

February 2006 – December 2020

**Scientist (full time / permanent position). Register Code: 10156**

Institute of Crystallography-CNR, Via G. Amendola 122/O, 70122 Bari (Italy))

Crystallography applied in biology and material science.

Head of Bio-Crystallization Laboratory

**Business or sector** Research

May 2001 – January 2006

**Researcher (project contract)**

Institute of Crystallography-CNR

Via G. Amendola 122/O, 70122 Bari (Italy)

Developing methods in Crystallography applied in macromolecules

**Business or sector** Research

January 2000 – May 2001

**Researcher (project contract)**

Consorzio Interuniversitario per le Applicazioni di Supercalcolo per l'Università e Ricerca (CASPUR). Rome, Italy (Italy)

Parallel Computing applied on Crystallographic Software for phasing problem at proteins

**Business or sector** Research

October 1994 – September 1998

**Visiting Professor**

Istituto di Ricerca per le Metodologie Cristallografiche

c/o Dipartimento Geomineralogico, Università degli Studi di Bari

Via Orabona, 4 70125 Bari (Italy)

Methods in Protein Crystallography

**Business or sector** Research

May 1985 – May 1992

**Assistant Professor (full time / permanent position)**

General and Inorganic Department, Tirana University, Tirana (Albania)

Lectures for General and Inorganic Chemistry course. Research at electrochemistry of metal corrosion, x-ray Powder Diffraction

Business or sector Education and Research

## VISITING AND TRAINING

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- May 2016 **CNR short-term mobility project**  
ISIS - Neutron and Muon Source Science and Technology Facilities Council Rutherford Appleton Laboratory. Didcot, Oxfordshire, United Kingdom  
X-rays and Neutrons to study Smart NanoMaterials
- October 2015 **CNR short-term mobility project**  
Beamline I22, Diamond Light Source Ltd. Chilton, Didcot, Oxfordshire, United Kingdom  
Characterization by SAXS of nanoparticles (Au, Ag) conjugated to biomolecules
- May 2013 **CNR short-term mobility project**  
Institut für Physik der kondensierten Materie. Lehrstuhl für Kristallographie und Strukturphysik Erlangen, Germany  
Study and Characterization of hybrid nano-materials inorganic/organic
- October 2012 **EMBO Practical Course**  
EMBL c/o DESY Hamburg, Germany  
Solution scattering from biological macromolecules
- December 2011 **Internship**  
Beamline cSAX12 c/o Paul Scherrer Institute Villigen, Switzerland  
Training in scanning Small-Angle X-ray Scattering (SAXS) and Wide-Angle Scattering (WAXS)
- May 2009 **CNR short-term mobility project**  
Protein Crystallography Station at Los Alamos National Laboratory (LANL). Los Alamos (NW), USA  
Experimental neutron scattering methods and solving the phase problem in neutron diffraction based on D<sub>2</sub>O/H<sub>2</sub>O contrast data
- June 2008 **CNR short-term mobility project**  
Protein Crystallography Station at Los Alamos National Laboratory (LANL). Los Alamos (NW), USA  
Training in experimental use of unique TOF-Laue neutron diffraction methods for hydrogen structure of enzymes. Adapting of "FreeLunch" procedure (developed by IC-CNR) to the neutron diffraction data
- March 2008 **Internship**  
Membrane Protein Laboratory (MPL). c/o Diamond Light Source Ltd. Didcot, Oxfordshire, United Kingdom  
Training in Protein Crystallization procedures. Researching algorithms related to Crystallography data analysis and processing. Developing procedures for dealing with difficult data
- December 1999 **Internship**  
Consorzio Interuniversitario per le Applicazioni di Supercalcolo per l'Università e Ricerca (CASPUR). Rome, Italy  
Parallel computing techniques
- January – October 1997 **Internship**

Programme for Training and Research in Italian Laboratories (ICTP). Trieste, Italy  
Methods on crystallography

January 1991 – February 1992 **UNESCO Internship**

Laboratoire de Cristalochimie du Solide, Université Paris VI, Paris, France; Laboratoire des Agrégats Moléculaires et Matériaux Inorganiques. Université Montpellier II, Montpellier, France  
Crystallochemistry, X-ray Powder Diffraction, EXAFS, XANES

## RESEARCH ACTIVITIES

- Study by crystallography and Small-Angle-X-ray-Scattering of proteines, and their complex, involed at ribosomopathy diseases as Shwachman Diamond Syndrome.
- Structural Analysis of the Partially Disordered Protein EspK from Mycobacterium tuberculosis
- Structural insights into the intracellular region of the human magnesium transport mediator CNNM4.
- A biophysical and structural study of chitinases from Agave tequilana and their potential role as defense proteins.
- X-ray scanning microscopies of microcalcifications in abdominal aortic and popliteal artery aneurysms Effects of processing on structural, mechanical and biological properties of collagen-based substrates for regenerative medicine
- Scanning Small- and Wide-Angle X-ray Scattering Microscopy Selectively Probes HA Content in Gelatin/Hydroxyapatite Scaffolds for Osteochondral Defect Repair
- MMP3 inhibition by platinum-based complexes binding sites and conformational flexibility
- Crystallographic analysis of metal-ion binding to human Ubiquitin protein
- Developing of the phasing techniques to solve the macromolecules structure from X-ray and neutron diffraction data. Techniques for improving the electron density maps, for an automatic model building, using data extrapolations beyond the observed resolution (FreeLunch procedure) and a novel difference Fourier synthesis (DEDM). New computational tools for H/D determination in protein structure from neutron data.
- New formulations in Joint Probability Distribution function applied in SIR/MIR, SAD/MAD and molecular replacement techniques. Co-author of a software package for a global phasing for proteins: ILMILIONE [Burla et al, J. Appl. Cryst. (2007), 40, 609-613.]
- Scanning SAXS/WAXS analysis applied to the study of human bone sections, obtaining detailed maps of bone structure, in healthy and pathologic (dwarfism, Paget's, Osteoarthritis) samples. The analysis, performed on synchrotron data, highlighted the differences in orientation and degree of orientation of the HA mineral fraction in the bone, providing a new possible means to understand bone diseases.
- Structural/morphological characterization of nanostructured (bio-) materials, in particular by means of small and wide angle x-ray scattering (SAXS and WAXS), even in grazing incidence geometry (GISAXS and GIWAXS), and X-ray reflectivity. Developing and Improving of the algorithms for data analysis.
- Main scientist developer for package SUNBIM [Siliqi et. al. J. Appl. Cryst.(2016). 49, 1107–1114 6]
- Author of more than 120 articles published in International Journals; WOS: h-index: 21; Total Citations: 1814; GOOGLE SCHOLAR h-index 24; Total citations 2225

## SELECTED TEACHING AND LECTURES

- 2021 – 1st National Congress of the Mexican Society of Synchrotron Light and 1st International Congress Synchrotron Light Technique. Guanajuato, Mexico, 21-26 June 2021. "Small Angle X-ray Scattering (SAXS) in combination with other techniques, experimental and non, to deal with some tough protein structures". Plenary Lecture

- 2019 – Teaching and tutorials on "Small-angle X-ray scattering" Open SESAME HERCULES School, Sesame Synchrotron, Jordan. (26 October - 08 November)
- Seminars "SAXS and WAXS: study of nano- and biomaterials", Department of System Innovation, The University of Tokyo, Japan. (27 September - 4 October)
- "Shwachman-Diamond Syndrome: SBDS and EFL1 conformational characterization through Small Angle X-ray Scattering and Molecular Dynamics Simulations", MISCA V: Fifth Meeting of the Italian (AIC) and Spanish Crystallographic (GE3C) Associations, Napoli, Italy (4-7 September 2019)
- Seminar "Rare diseases and common problems to deal with them: Shwachman-Diamond Syndrome and Small – Angle X-ray Scattering (bioSAXS) technique", Dipartimento di Medicina Molecolare, Università di Pavia, Pavia, Italy. (13 June 2019)
- Seminar "Rare diseases but common problems to deal with them: Shwachman Diamond Syndrome from X-ray scattering to modeling techniques", IRBM Science Park, Pomezia. (10 May)
- May. Seminar "Dalla Biologia Strutturale alla Chemioinformatica: Approci Innovativi per le nuove strategia terapeutiche" Università "La Signora di Buon Consiglio", Tirana, Albania. (19 May)
- 2018 – "Characterization of the interaction between the EFL1 GTPase and the Shwachman-Diamond Syndrome missense mutants", 3rd Joint AIC-SILS Conference, Rome, Italy (25-28 June, 2018).
- 2017 – "Schawman-Diamond Syndrome: inside the structure of EFL1, SBDS proteins and their complex", American Society for Cell Biology (ASCB) and European Molecular Biology Organization (EMBO) Meeting, Philadelphia, USA (2-6 December)
- "When rare is common". International Conference on Applied Sciences and Engineering 2017 (ICEAS 2017), Tirana, Albania (16-17 November)
- Organization of the Workshop "X-ray Scattering in Biology and Material Science", UNAM, Mexico City, Mexico. (23-24 October)
- "Protein Complex Structures: combining X-ray scattering, crystallography and modelling". School of Nanomedicine 2017, Bari, Italy (11-13 October)
- 2017 "Shwachman-Diamond Syndrome: a rare genetic disorder and a tough challenge for the structural characterization of the proteins and their complex involved in the ribosome biogenesis" 25th Congress of Italian Crystallographic Association (AIC) Perugia, Italy (26-29 June).
- Seminar "Using BIOSAXS for the structural characterization of the proteins and their complex involved in the ribosome biogenesis", Department of Chemistry, Faculty of Mathematical Engineering and Physical Engineering Polytechnic University of Tirana, Albania. 8-9 May
- "SUNBIM: a scientific package for X-ray imaging of nano- and biomaterials using SAXS, WAXS, GISAXS and GIWAXS techniques". First Conference in Computing, Information Technology and Business Application (ICTBA), Durres, Albania (6 May)
- 2016 – Organization of XXIV meeting of SILS (Società Italiana di Luce di Sincrotrone), Bari, Italy (21-23 September).
- "Small-Angle-X ray-Scattering (SAXS) studies of the lowresolution structure of the ribosomal GTPase EFL1, the SBDS protein and their complex". IV Meeting of the Italian and Spanish Crystallographic Associations, Tenerife, Spain (21-25 June)
- Organization of IUCr-UNESCO Albania Bruker – OpenLab, Tirana, Albania (30 May - 3 June)
- "Small angle X ray scattering studies of the low-resolution structure of the ribosomal GTPase EFL1, the SBDS protein and their complex". 8th International Congress on Shwachman-Diamond Syndrome, Verona, Italy. 17-20 April.

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## PROJECT COORDINATOR

CNCCS Consortium Project: WPS S2-WP3 "Sindrome di Shwachman-Diamond (SDS), una rara malattia genetica trascurata: studio conformazionale della proteina EFL1 e screening di piccole molecole organiche capaci di modulare la sua funzione" 2018-2021

Bilateral Scientific Cooperation Project between CNR (Consiglio Nazionale delle Ricerche) and MoES (Ministry of Education and Sport of the Republic of Albania) 2018-2020

MAECI Bilateral Scientific/Technologic Cooperation Project Italy - Mexico 2014-2017

## Publications

- [1] Camila Campos-Escamilla, Dritan Siliqi, Luis A. Gonzalez-Ramirez, Carmen Lopez-Sanchez, Jose Antonio Gavira, and Abel Moreno. X-ray Characterization of Conformational Changes of Human Apo- and Holo-Transferrin. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, 22(24), DEC 2021.
- [2] Juan L. Benavente, Dritan Siliqi, Lourdes Infantes, Laura Lagartera, Alberto Mills, Federico Gago, Noemi Ruiz-Lopez, Miguel A. Botella, Maria J. Sanchez-Barrena, and Armando Albert. The structure and flexibility analysis of the Arabidopsis synaptotagmin 1 reveal the basis of its regulation at membrane contact sites. *LIFE SCIENCE ALLIANCE*, 4(10), OCT 2021.
- [3] Lorenzo Degli Esposti, Alessio Adamiano, Dritan Siliqi, Cinzia Giannini, and Michele Iafisco. The effect of chemical structure of carboxylate molecules on hydroxyapatite nanoparticles. A structural and morphological study. *BIOACTIVE MATERIALS*, 6(8):2360–2371, AUG 2021.
- [4] Abril Gijbsbers, Nuria Sanchez-Puig, Ye Gao, Peter J. Peters, Raimond B. G. Ravelli, and Dritan Siliqi. Structural Analysis of the Partially Disordered Protein EspK from Mycobacterium Tuberculosis. *CRYSTALS*, 11(1), JAN 2021.
- [5] Francesco Scattarella, Emiliano Altamura, Paola Albanese, Dritan Siliqi, Massimo Ladisa, Fabio Mavelli, Cinzia Giannini, and Davide Altamura. Table-top combined scanning X-ray small angle scattering and transmission microscopies of lipid vesicles dispersed in free-standing gel. *RSC ADVANCES*, 11(1):484–492, JAN 1 2021.
- [6] Juan Manuel Montes-de Oca-Avalos, Davide Altamura, Maria Lidia Herrera, Cristian Huck-Iriart, Francesco Scattarella, Dritan Siliqi, Cinzia Giannini, and Roberto Jorge Candal. Physical and structural properties of whey protein concentrate - Corn oil - TiO<sub>2</sub> nanocomposite films for edible food-packaging. *FOOD PACKAGING AND SHELF LIFE*, 26, DEC 2020.
- [7] Liberato De Caro, Francesco Scattarella, Davide Altamura, Milena P. Arciniegas, Dritan Siliqi, Liberato Manna, and Cinzia Giannini. X-ray ptychographic mode of self-assembled CdSe/CdS octapod-shaped nanocrystals in thick polymers. *JOURNAL OF APPLIED CRYSTALLOGRAPHY*, 53(3):741–747, JUN 2020.
- [8] Lorenzo Degli Esposti, Alessio Adamiano, Anna Tampieri, Gloria Belen Ramirez-Rodriguez, Dritan Siliqi, Cinzia Giannini, Pavlo Ivanchenko, Gianmario Martra, Feng-Huei Lin, Jose Manuel Delgado-Lopez, and Michele Iafisco. Combined Effect of Citrate and Fluoride Ions on Hydroxyapatite Nanoparticles. *CRYSTAL GROWTH & DESIGN*, 20(5):3163–3172, MAY 6 2020.
- [9] Francesco Baldassarre, Angela Altomare, Nicola Corriero, Ernesto Mesto, Maria Lacalamita, Giovanni Bruno, Alberto Sacchetti, Bujar Dida, Dafina Karaj, Giancarlo Della Ventura, Francesco Capitelli, and Dritan Siliqi. Crystal Chemistry and Luminescence Properties of Eu-Doped Polycrystalline Hydroxyapatite Synthesized by Chemical Precipitation at Room Temperature. *CRYSTALS*, 10(4), APR 2020.
- [10] Teresa Sibillano, Alberta Terzi, Liberato De Caro, Massimo Ladisa, Davide Altamura, Anna Moliterni, Rocco Lassandro, Francesco Scattarella, Dritan Siliqi, and Cinzia Giannini. Wide Angle X-Ray Scattering to Study the Atomic Structure of Polymeric Fibers. *CRYSTALS*, 10(4), APR 2020.
- [11] Pietro Delre, Domenico Alberga, Abril Gijbsbers, Nuria Sanchez-Puig, Orazio Nicolotti, Michele Saviano, Dritan Siliqi, and Giuseppe Felice Mangiatordi. Exploring the role of elongation Factor-Like 1 (EFL1) in Shwachman-Diamond syndrome through molecular dynamics. *JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS*, 38(17):5219–5229, NOV 21 2020.
- [12] Paula Gimenez-Mascarell, Iker Oyenarte, Irene Gonzalez-Recio, Carmen Fernandez-Rodriguez, Maria Angeles Corral-Rodriguez, Igone Campos-Zarraga, Jorge Simon, Elie Kostantin, Serge Hardy, Antonio Diaz Quintana, Mara Zubillaga Lizeaga, Nekane Merino, Tammo Diercks, Francisco J. Blanco, Irene Diaz Moreno, Maria Luz Martinez-Chantar, Michel L. Tremblay, Dominik Mueller, Dritan Siliqi, and Luis Alfonso Martinez-Cruz. Structural Insights into the Intracellular Region of the Human Magnesium Transport Mediator CNNM4. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, 20(24), DEC 2019.



- [13] Yusvel Sierra-Gomez, Annia Rodriguez-Hernandez, Patricia Cano-Sanchez, Homero Gomez-Velasco, Alejandra Hernandez-Santoyo, Dritan Siliqi, and Adela Rodriguez-Romero. A biophysical and structural study of two chitinases from *Agave tequilana* and their potential role as defense proteins. *FEBS JOURNAL*, 286(23):4778–4796, DEC 2019.
- [14] C. Giannini, M. Ladisa, V. Lutz-Bueno, A. Terzi, M. Ramella, L. Fusaro, D. Altamura, D. Siliqi, T. Sibillano, A. Diaz, F. Boccafoschi, and O. Bunk. X-ray scanning microscopies of microcalcifications in abdominal aortic and popliteal artery aneurysms. *IUCRJ*, 6(2):267–276, MAR 2019.
- [15] Abril Gijbers, Diana Carolina Montagut, Alfonso Mendez-Godoy, Davide Altamura, Michele Saviano, Dritan Siliqi, and Nuria Sanchez-Puig. Interaction of the GTPase Elongation Factor Like-1 with the Shwachman-Diamond Syndrome Protein and Its Missense Mutations. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, 19(12), DEC 2018.
- [16] Elvio Carlino, Francesco Scattarella, Liberato De Caro, Cinzia Giannini, Dritan Siliqi, Alessandro Colombo, and Davide Emilio Galli. Coherent Diffraction Imaging in Transmission Electron Microscopy for Atomic Resolution Quantitative Studies of the Matter. *MATERIALS*, 11(11), NOV 2018.
- [17] Ubaldo Coscia, Giuseppina Ambrosone, Mariano Palomba, Simona Binetti, Alessia Le Donne, Dritan Siliqi, and Gianfranco Carotenuto. Photoconductivity of tellurium-poly(methyl methacrylate) in the ultraviolet-visible-near infrared range. *APPLIED SURFACE SCIENCE*, 457:229–234, NOV 1 2018.
- [18] Juan Manuel Montes-de Oca-Avalos, Davide Altamura, Roberto Jorge Candal, Francesco Scattarella, Dritan Siliqi, Cinzia Giannini, and Maria Lidia Herrera. Relationship between nano/micro structure and physical properties of TiO<sub>2</sub>-sodium caseinate composite films. *FOOD RESEARCH INTERNATIONAL*, 105:129–139, MAR 2018.
- [19] Dritan Siliqi, James Foadi, Marco Mazzorana, Davide Altamura, Alfonso Mendez-Godoy, and Nuria Sanchez-Puig. Conformational Flexibility of Proteins Involved in Ribosome Biogenesis: Investigations via Small Angle X-ray Scattering (SAXS). *CRYSTALS*, 8(3), MAR 2018.
- [20] A. Terzi, E. Storelli, S. Bettini, T. Sibillano, D. Altamura, L. Salvatore, M. Madaghiele, A. Romano, D. Siliqi, M. Ladisa, L. De Caro, A. Quattrini, L. Valli, A. Sannino, and C. Giannini. Effects of processing on structural, mechanical and biological properties of collagen-based substrates for regenerative medicine. *SCIENTIFIC REPORTS*, 8, JAN 23 2018.
- [21] Pietro Roversi, Lucia Marti, Alessandro T. Caputo, Dominic S. Alonzi, Johan C. Hill, Kyle C. Dent, Abhinav Kumar, Mikail D. Lévassieur, Andrea Lia, Thomas Waksman, Souradeep Basu, Yentli Soto Albrecht, Kristin Qian, James Patrick McIvor, Colette B. Lipp, Dritan Siliqi, Snezana Vasiljevic, Shabaz Mohammed, Petra Lukacik, Martin A. Walsh, Angelo Santino, and Nicole Zitzmann. Interdomain conformational flexibility underpins the activity of UGGT, the eukaryotic glycoprotein secretion checkpoint. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*, 114(32):8544–8549, AUG 8 2017.
- [22] Polina Stepensky, Montserrat Chacon-Flores, Katherine H. Kim, Omar Abuzaitoun, Arnulfo Bautista-Santos, Natalia Simanovsky, Dritan Siliqi, Davide Altamura, Alfonso Mendez-Godoy, Abril Gijbers, Adeeb Naser Eddin, Talia Dor, Joel Charrow, Nuria Sanchez-Puig, and Orly Elpeleg. Mutations in EFL1, an SBDS partner, are associated with infantile pancytopenia, exocrine pancreatic insufficiency and skeletal anomalies in a Shwachman-Diamond like syndrome. *JOURNAL OF MEDICAL GENETICS*, 54(8):558–566, AUG 2017.
- [23] Francesco Scattarella, Liberato De Caro, Dritan Siliqi, and Elvio Carlino. Effective Pattern Intensity Artifacts Treatment for Electron Diffractive Imaging. *CRYSTALS*, 7(7), JUL 2017.
- [24] Enkeleida Beqiraj, Dritan Siliqi, Francesco Capitelli, Arjan Beqiraj, and Suada Luzati. Mineralogical composition of Rrogozhina aquifer medium, Western Albania. *ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES*, 73(S):C693, 2017.
- [25] Avni Berisha, Arlinda Damoni, Francesco Capitelli, Anna Moliterni, Angela Altomare, Bujar Dida, and Dritan Siliqi. X-ray and DFT structural study of some carbazole substituted imines. *ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES*, 73(S):C920, 2017.
- [26] Bujar Dida, Dritan Siliqi, Avni Berisha, Dafina Karaj, and Michele Zema. The road to the association of albanian crystallographers. *ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES*, 73(S):C1397, 2017.

- [27] Dafna Karaj, Arlinda Damoni, Avni Berisha, Francesco Capitelli, Anna Moliterni, Angela Altomare, Francesco Baldassarre, Bujar Dida, and Dritan Siliqi. New carbazole substituted imines structure: synthesis and XRD analysis. *ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES*, 73(S):C944, 2017.
- [28] D. Siliqi, B. Dida, D. Altamura, A. Gijbers, A. Mendez-Godoy, C. Giannini, M. Saviano, T. Sibillano, and N. S. Puig. Schawman-Diamond Syndrome: inside the structure of EFL1, SBDS proteins and their complex. *MOLECULAR BIOLOGY OF THE CELL*, 28, 2017. Annual Joint Meeting of the American-Society-for-Cell-Biology and the European-Molecular-Biology-Organization (ASCB/EMBO), Philadelphia, PA, DEC 02-06, 2017.
- [29] Dritan Siliqi, Nuria Sanchez-Puig, Davide Altamura, Abril Gijbers, Alfonso Mendez-Godoy, Cinzia Giannini, and Michele Saviano. Inside structure of the EFL1, SBDS and their complex. *ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES*, 73(S):C648, 2017.
- [30] Cinzia Giannini, Massimo Ladisa, Davide Altamura, Dritan Siliqi, Teresa Sibillano, and Liberato De Caro. X-ray Diffraction: A Powerful Technique for the Multiple-Length-Scale Structural Analysis of Nanomaterials. *CRYSTALS*, 6(8), AUG 2016.
- [31] T. Sibillano, L. De Caro, F. Scattarella, G. Scarcelli, D. Siliqi, D. Altamura, M. Liebi, M. Ladisa, O. Bunk, and C. Giannini. Interfibrillar packing of bovine cornea by table-top and synchrotron scanning SAXS microscopy. *JOURNAL OF APPLIED CRYSTALLOGRAPHY*, 49(4):1231–1239, AUG 2016.
- [32] Dritan Siliqi, Liberato De Caro, Massimo Ladisa, Francesco Scattarella, Annamaria Mazzone, Davide Altamura, Teresa Sibillano, and Cinzia Giannini. SUNBIM: a package for X-ray imaging of nano- and biomaterials using SAXS, WAXS, GISAXS and GIWAXS techniques. *JOURNAL OF APPLIED CRYSTALLOGRAPHY*, 49(3):1107–1114, JUN 2016.
- [33] Davide Altamura, Stella G. Pastore, Maria G. Raucci, Dritan Siliqi, Fabio De Pascalis, Michele Nacucchi, Luigi Ambrosio, and Cinzia Giannini. Scanning Small- and Wide-Angle X-ray Scattering Microscopy Selectively Probes HA Content in Gelatin/Hydroxyapatite Scaffolds for Osteochondral Defect Repair. *ACS APPLIED MATERIALS & INTERFACES*, 8(13):8728–8736, APR 6 2016.
- [34] Liberato De Caro, Davide Altamura, Milena Arciniegas, Dritan Siliqi, Mee R. Kim, Teresa Sibillano, Liberato Manna, and Cinzia Giannini. Ptychographic Imaging of Branched Colloidal Nanocrystals Embedded in Free-Standing Thick Polystyrene Films. *SCIENTIFIC REPORTS*, 6, JAN 18 2016.
- [35] Cinzia Giannini, Davide Altamura, Dritan Siliqi, Teresa Sibillano, Liberato De Caro, Stella Pastore, and Massimo Ladisa. X-ray scattering-based studies of nano/bio-structures with hierarchical order for nanomedicine applications. *ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES*, 72(S):S412, 2016.
- [36] Dritan Siliqi, Davide Altamura, Abril Gijbers, Eugenio de la Mora, Cinzia Giannini, Teresa Sibillano, Michele Saviano, and Nuria Sanchez-Puig. Small-Angle-X ray-Scattering (SAXS) studies of the low-resolution structure of the ribosomal GTPase EFL1, the SBDS protein and their complex. *ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES*, 72(S):S180–S181, 2016.
- [37] Eugenio De la Mora, Edith Flores-Hernandez, Jean Jakoncic, Vivian Stojanoff, Dritan Siliqi, Nuria Sanchez-Puig, and Abel Moreno. SdsA polymorph isolation and improvement of their crystal quality using nonconventional crystallization techniques. *JOURNAL OF APPLIED CRYSTALLOGRAPHY*, 48(5):1551–1559, OCT 2015.
- [38] Dritan Siliqi, Nuria Sanchez-Puig, Eugenio de la Mora, Alfonso Mendez-Godoy, Davide Altamura, Cinzia Giannini, Teresa Sibillano, and Michele Saviano. Studies of the conformational changes on the ribosomal GTPase EFL1 using SAXS. *ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES*, 71(S):S251, 2015.
- [39] T. Sibillano, L. De Caro, D. Altamura, D. Siliqi, M. Ramella, F. Boccafoschi, G. Ciasca, G. Campi, L. Tirinato, E. Di Fabrizio, and C. Giannini. An Optimized Table-Top Small-Angle X-ray Scattering Set-up for the Nanoscale Structural Analysis of Soft Matter. *SCIENTIFIC REPORTS*, 4, NOV 10 2014.
- [40] Angela Altomare, Elena Capparelli, Antonio Carrieri, Nicola A. Colabufo, Anna Moliterni, Rosanna Rizzi, and Dritan Siliqi. Crystallographic study of PET radio-tracers in clinical evaluation for early diagnosis of Alzheimers. *ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS*, 70(11):O1149+, NOV 2014.

- [41] A. Evelyn Di Mauro, Marco Toscanini, Daniele Piovani, Filippo Samperi, M. Lucia Curri, Michela Corricelli, Liberato De Caro, Dritan Siliqi, Roberto Comparelli, Angela Agostiano, Silvia Destri, and Marinella Striccoli. Segmented poly(styrene-co-vinylpyridine) as multivalent host for CdSe nanocrystal based nanocomposites. *EUROPEAN POLYMER JOURNAL*, 60:222–234, NOV 2014.
- [42] D. Siliqi, L. De Caro, M. Ladisa, A. Mazzone, D. Altamura, T. Sibillano, L. Jiang, P. Pennartz, and C. Giannini. SUNBIM a package for X-ray imaging of materials with SWAXS & GISWAXS techniques. *ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES*, 70(S):C1328, AUG 2014.
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#### TRANSFER OF PERSONAL DATA TO A THIRD COUNTRY OR AN INTERNATIONAL ORGANIZATION

The data collected, for the pursuit of any of the above institutional objectives, may have to be transferred to a country based outside the European Union (so-called Third country). The European and International Relations Unit ensures that such transfer outside the EU will take place only to third countries which have an adequacy decision of the European Commission (pursuant to art. 45 of GDPR), or to third countries that provide one of the guarantees indicated as adequate under art. 46 of GDPR.

Bari, 14/02/2022

