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Personal information

Surname(s) / First name	**GIANNINI CINZIA**
Address	122/O Amendola, I-70126 Bari, Italy
Telephone	+39-080-5929167
Fax	+39-080-5929170
E-mail	cinzia.giannini@ic.cnr.it
Nationality	Italian
Date of birth	14.10.1966
Gender	female

Desired employment / Occupational field **Public Research**

Work experience EXPERT IN THE STRUCTURAL CHARACTERIZATION OF MATERIALS, INTERFACES AND SURFACES WITH X-RAY BASED SCATTERING TECHNIQUES. MY RESEARCH INTERESTS SPAN THE STRUCTURAL ANALYSIS OF (NANO)MATERIALS, BIOMATERIALS, NATURAL AND BIO-ENGINEERED TISSUES. A RECENT AREA OF INTEREST IS X-RAY MICRO AND NANOIMAGING TECHNIQUES, ALSO WITH COHERENT X-RAYS.
Author of more than 270 articles published in International Journals; SCOPUS: **h-index: 41; Total Citations: 7582**; GOOGLE SCHOLAR **h-index 45; Total citations 9272** [Cinzia Giannini - Google Scholar]

Occupation or position held	CNR/IC Director
Name and address of employer	National Research Council – Institute of Crystallography
Type of business or sector	Research

Education and training

Dates	**15/04/1996**
Title of qualification	PhD in Physics
PhD Title	Study of the Electronic and Structural properties of semiconductor heterostructures
Organization	University of Bari

Personal skills and competences

Mother tongue(s)	Italian
Other language(s)	English

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
Language	EN	C2	EN	C2	EN	C2	EN	C2	EN	C2
Language										

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.

INTERNATIONAL TEACHING (SELECTED)	2020	LINXS Educational Webinar *Supra And Sub Molecular Investigation Of Pathologic Tissues By X-Ray Scanning Microscopy* Lund (Sweden)
	2015	Sao Paulo School of Advanced sciences on recent developments in synchrotron radiation *Introduction to X-rays Imaging; X-rays Diffraction and Imaging for Nanomaterials* Campinas (Brazil)
	2011	Summer School - The European Commission FP7-funded Research Project Ordered Inorganic-organic hybrids using ion liquid for emerging applications (ORION), Ostuni - Brindisi
	2010	Nanoscience PhD School XXV cycle, of the Italian Institute of Technology, Genova.
	2010	Summer School Diffraction at the nanoscale: nanocrystals, defective and amorphous materials. Villigen, Switzerland.
	2009	AIC School Scattering Techniques: from microscopic to atomic structures, Camerino, Italy
	2009	Biophotonic Imaging Summer School 2009 - Focus on Nanobiophotonics, Ballyvaughan, Ireland
	2004	ICTP School on Synchr. Radiation & Applications – In memory of Fuggle and Fonda. Trieste, IT.
UNIVERSITY TEACHING	2021-2015	'Watching Nanomaterials with X-rays Eyes', PhD Course Chemistry Department, Univ. of Bari (2 CFU) (every year for about 10 PhD students per year, in total about 70 students)
	2020-2017	'Advanced XRD techniques for applications in materials and biologic systems (4 CFU)
	2011-2007	'Analisi Strutturale di Nanomateriali', Course in Chemistry, Department Univ. of Bari (2 CFU)
	2018	"Microscopie a raggi X", eLearning course for Material science, Univ. of Bari (2 CFU)

Tutor of 2 PhD thesis in Chemical Sciences, 5 Post Docs and 3 Master Diploma in Physics (CNR has not teaching duties in its Mission; only recently industrial PhD projects have been conceived).

INVITED SPEAKER	2019	"PhysChem seminar series" Lund University, Sweden
	2019	"Symposium on colloidal nanocrystals" Lecce, Italy
	2019	Workshop on Coherence at ESRF-EBS Grenoble, France
	2018	MATERIALS2018 Congress Bologna, Italy
	2018	Workshop "Advances in biomaterials for aging diseases", Anacapri , Italy
	2017	SIF 2017 Congress (Società Italiana di Fisica), Povo – Trento, Italy
	2015	BioPhotonics and Imaging Conference (BioPIC2015), Galway - Ireland
	2014	Workshop "Functional and nanostructured materials", Camerino, Italy
	2014	Joint AIC-SILS Conference Firenze, Italy
	2013	BioPhotonics and Imaging Conference (BioPIC2013) Dublin, Ireland
	2010	BioPhotonics and Imaging Conference (BioPIC2010) Dublin, Ireland
	2010	Meeting Italian and Spanish Crystallographic Associations (MISCA2), Oviedo, Spain
	2008	High-Resolution X-Ray Diffraction and Imaging X-TOP2008 Linz, Austria
	2000	High-Resolution X-Ray Diffraction and Imaging X-TOP 2000 Ustron-Jaszowiec, Polonia
CHAIR OF SCIENTIFIC CONGRESS, MICROSYMPOSIUM (MS), SCHOOLS	2021	On -line SILS Meeting 2021
	2019	School of Nanomedicine Trieste (IT)
	2019	MS2 "Photon based multi-dimensional (2D/3D/4D) imaging - from VUV to X-rays" Camerino (IT)
	2018	High-Resolution X-Ray Diffraction and Imaging XTOP 2018 – Bari (IT)
	2018	MS9 "Polycrystalline & Nano Materials", AIC/SILS Meeting 2018, Roma (IT)
	2017	School of Nanomedicine Bari (IT)
	2016	SILS Meeting 2016 Bari (IT)
	2016	M44 - Total scattering: pdf analysis and diffuse scattering in X-Ray, neutron, and electron diffraction- ECM30, Basel - Switzerland
	2015	School of Nanomedicine Bari (IT)
	2010	MS "3D x-ray diffraction imaging with nanoscale resolution", EPDIC-12 European Powder Diffraction Conference, Geneve - Switzerland
	2008	M32 'Nanostructure Refinement and Solution' International Union of Crystallography. Congress, Osaka, Japan

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FUNDINGS - ON-GOING PROJECTS

GRANTS as SPOKEPERSON

2020-2019 I have been assigned of beamtime from the **Swiss Light Source (SLS) in Switzerland** (estimated funding of **280.000€, 35 shifts** total beamtime, about 8000€ is the cost of 1 SLS shift).

GRANTS as SCIENTIFIC COORDINATOR of the CNR RESEARCH UNIT

2021-2023 PON 2014-2020 "**ECOTEC**: Design, Creatività e Made in Italy "Fibre e tessuti intelligenti ed ECOsostenibili per l'abbigliamento TECnico e l'alta moda" (Assigned **Grant € 250.00**)

2022-2019 PRIN "**SAPIENT**: A system approach for identifying connective tissue degeneration in diabetic analogues" (Assigned **Grant € 152.829**)

2021-2018 PON 2014-2020 "**TARANTO**: Tecnologie e processi per l'Abbattimento di inquinanti e la bonifica di siti contaminati con Recupero di mAterie prime e produzioNe di energia TOtally green" (Assigned **Grant € 100.000**)

2021-2018 Regione Puglia- Innonetwork "ISEPA: Improving Sustainability, Efficiency and Profitability of Large-Scale Aquaponics" (Assigned **Grant € 50.153**)

GRANTS as PRINCIPAL INVESTIGATOR (BILATERAL PROJECT)

2021-2020 CNR/Royal Society-UK London 'Label-free multi-scale X-ray imaging for the study of cell differentiation and colonization of scaffolds in regenerative medicine' (**Grant € 12.000**).

SELECTED PUBBLICATIONS

Raman Spectroscopy Reveals That Biochemical Composition of Breast Microcalcifications Correlates with Histopathologic Features, R. Vanna, C. Morasso, B. Marcinnò, F. Piccotti, E. Torti, D. Altamura, S. Albasini, M. Agozzino, L. Villani, L. Sorrentino, O. Bunk, F. Leporati, C. Giannini & F. Corsi, CANCER RESEARCH 80, 1762–72 (2020)

X-Ray scanning microscopies of microcalcifications in abdominal aortic and popliteal artery aneurysms, C. Giannini, M. Ladisa, V. Lutz-Bueno, A. Terzi, M.Ramella, L. Fusaro, D. Altamura, D. Siliqi, T. Sibillano, A. Diaz, F. Boccafoschi & O. Bunk, IUCrJ 6(2), 267-276 (2019)

Investigations of Processing–Induced Structural Changes in Horse Type-I Collagen at Sub and Supramolecular Levels, A. Terzi, N. Gallo, S. Bettini, T. Sibillano, D. Altamura, L. Campa, M.L. Natali, L. Salvatore, M. Madaghiele, L. De Caro, L. Valli, A. Sannino & C. Giannini, FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY - SECTION BIOMATERIALS 7 | Article 203 (2019)

Effects of processing on structural, mechanical and biological properties of collagen-based, substrates for regenerative medicine, 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 & C. Giannini, SCIENTIFIC REPORT 8:1429 | DOI:10.1038/s41598-018-19786-0 (2018)

Scanning Small- and Wide-Angle X-ray Scattering Microscopy Selectively Probes HA Content in Gelatin/Hydroxyapatite Scaffolds for Osteochondral Defect Repair, D. Altamura, S. Pastore, M.G. Raucci, D. Siliqi, F. De Pascalis, M. Nacucchi, L. Ambrosio & C. Giannini, ACS APPLIED MATERIALS & INTERFACES 8(13), 8728–8736 (2016)

SUNBIM: a package for X-ray imaging of nano and biomaterials using SAXS, WAXS, GISAXS and GIWAXS techniques, D. Siliqi, L. De Caro, M. Ladisa, F. Scattarella, A. Mazzone, D. Altamura, T. Sibillano, & C. Giannini, J. APPL. CRYST. 49, 1107–1114 (2016)

Interfibrillar Packing of Bovine Cornea By Table-Top And Synchrotron Scanning SAXS Microscopy, T. Sibillano, L. De Caro, F. Scattarella, G. Scarcelli, D. Siliqi, D. Altamura, M. Liebi, M. Ladisa, O. Bunk & C. Giannini, J. APPL. CRYST. 49, 1240-1244 (2016)

Scanning SAXS-WAXS microscopy on osteoarthritis-affected bone - an age-related study, C. Giannini, D. Siliqi, M. Ladisa, D. Altamura, A. Diaz, A. Beraudi, T. Sibillano, L. De Caro, S. Stea, F. Baruffaldi & O. Bunk J. APPL. CRYST. 47, 110-117 (2014)

X-ray MicroImaging Laboratory (XMI-LAB), D. Altamura, R. Lassandro, L. De Caro, D. Siliqi, M.Ladisa & C. Giannini, J. APPL. CRYST 45, 869–873 (2012)

Correlative light and scanning X-ray Scattering microscopy of healthy and pathologic human bone sections, C. Giannini, D. Siliqi, O. Bunk, A. Beraudi, M. Ladisa, D. Altamura, S. Stea & F. Baruffaldi SCIENTIFIC REPORT 2, 435 | DOI:10.1038/srep00435. (2012)

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Bari, 12/07/21

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