

PERSONAL INFORMATION

Ranieri Bizzarri



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🌐 <https://www.webofscience.com/wos/author/record/335588>

Sex Male | Date of birth 21/04/1973 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input checked="" type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- 2022-present **Associate Professor in Biochemistry**
University of Pisa
 - Scientific Research (PI of the Nanoscale Biomedicine group) and Teaching
- 2019-2022 **Senior Researcher (Tenure-track Assistant Professor)**
University of Pisa
 - Scientific Research (PI of the nanoscale biomedicine group) and Teaching
- 2011-present **Permanent Researcher**
National Research Council of Italy (2011-2013: Institute of Biophysics; 2013-2019: Nanoscience Institute)
 - Scientific Research (PI of the nanoscale biomedicine group) and Teaching
- 2015 and 2018 **Research fellow**
Beth Israel Deaconess Medical Center – Harvard Medical School, Boston, USA
 - Scientific Research
- 2016 **Research and teaching fellow**
SciLife Lab – Karolinska Institutet, Stockholm, Sweden
 - Scientific Research and Teaching
- 2011 **Research fellow**
Mira Institute, Twente University, Enschede, The Netherlands
 - Scientific Research
- 2003-2011 **Junior Researcher (Untenured Assistant Professor)**
Scuola Normale Superiore, Pisa, Italy
 - Scientific Research and Teaching
- 2001-2003 **Post-doc fellowship**
Department of Chemistry and Industrial Chemistry, University of Pisa
 - Scientific Research
- 2000 **Research fellow**
Cornell University, Chemical Engineering Department, Ithaca, New York, USA
 - Scientific Research
- 1998 **Research fellow**
Université Paris XII and CNRS, Paris (France)
 - Scientific Research

RESEARCH ACTIVITIES

- PI of **Nanoscale Biomedicine Group**, a research group operating between the University of Pisa and the Nanoscience Institute of the National Research Council of Italy (CNR-NANO)
- Study of intracellular biochemical processes relevant for biomedicine by high resolution microscopy combined with -omics methods
 - Development of novel fluorescent probes and biosensors for live intracellular imaging at nanoscale
 - Study of polymeric and colloidal nanomaterials for biomedical applications

EDUCATION AND TRAINING

- 1998-2001 **PhD in Chemistry**
Scuola Normale Superiore, Pisa, Italy
- 1998-2001 **BSc and MSc in Chemistry cum laude (italian 5-year laurea)**
Scuola Normale Superiore and University of Pisa, Pisa, Italy

WORK ACTIVITIES

- Awards** 1st prize Best Poster at Optics Within the Life Science Conference 2012 (OWLS 2012)
- Editorial activity** Member of the Editorial Board of Microscopy Research and Technique (Wiley), Frontiers in Bioscience—Landmark (BML-IMR Press), Biology (MDPI Press), International Journal of Molecular Science (MDPI Press)
- Invited presentations** 6 invited seminars in foreign academic institutions, 14 invited talks at international conferences and 20 selected talks at international conferences
- Coordinated Grants (last 10 years)**
- Eurobioimaging - ISIDORE SARS-CoV-2/Covid-19 TNA Call framework "Nanoscale engagement of Sars-Cov-2 Spike protein in membrane lipid rafts"
 - 2020-2022 Università di Pisa PRA 2020_2021 "Indagare gli effetti di interferenti endocrini sulla funzione e cancerogenesi tiroidea"
 - 2016-2018 Regione Toscana Bando FAS Salute 2014 "Diagnostica molecolare innovativa per la scelta terapeutica personalizzata dell'adenocarcinoma duttale pancreatico"
 - 2014-2017 Ministero della Salute Progetto GR-2011-02351049 "Profiling of hepatocellular miRNA carried by circulating hepatitis B virus surface antigen particles: a non invasive tool to identify clinically relevant miRNA signatures"
 - 2014-2017 BioPhotonicsPlus Transnational Call 2012/2013: Progetto FLIM-FLOW "Fluorescence Lifetime Multiplex Flow Cytometer"
 - 2013-2016 Ministero dell'Università e della Ricerca, Bando PRIN 2010 "Soft Matter Nanostrutturata: dall'indagine chimico-fisica allo sviluppo di applicazioni innovative"
- Patents** Bergamini E., Gori, Z., Lenci, F., Sgarbossa, A., Chiellini, E., Bizzarri R., "Composizioni contenenti dolichol per uso dermatologico e cosmetico" MI2002A 001204 2002 poi "Compositions containing dolichol for dermatological and cosmetic use" EP1511462, WO03101413 2005

MOST RELEVANT PUBLICATIONS

Total publications: 88 (WoS and Scopus databases), 44 in 2013-2023

Corresponding authorship: 31. Last authorship: 22. First Authorship: 15

Average IF/paper: 4.6. Total number of citations: 2514 (WoS), 2647 (Scopus). H-index: 30

- Storti, B., Carlotti, B., Chiellini, G., Ruglioni, M., Salvadori, T., Scotto, M., Elisei, F., Diaspro, A., Bianchini, P., Bizzarri, R. **2022** "An Efficient Aequorea victoria Green Fluorescent Protein for Stimulated Emission Depletion Super-Resolution Microscopy" *Int. J. Mol. Sci.* 23, 2482
- Storti, B. et al. **2021** "A spatial multi-scale fluorescence microscopy toolbox discloses entry checkpoints of SARS-CoV-2 variants in Vero E6 cells" *Comput. Struct. Biotech. J.* 19, 6140-6156
- Lanzaò, L. et al. **2017** "Measurement of nanoscale three-dimensional diffusion in the interior of living cells by STED-FCS" *Nat. Comm.* 8:65
- Bianchini, P., et al. **2014** "Nanoscale Protein Diffusion by STED-based Pair Correlation Analysis" *PloS ONE* 9(6), e99619.
- Signore, G. et al. **2013** "Imaging the static dielectric constant in vitro and in living cells by a bioconjugable GFP chromophore analog" *Chem. Comm.* 49, 1723-1725
- Battisti, A., Digman, M.A., Gratton, E., Storti, B., Beltram, F., Bizzarri, R. **2012** "Intracellular pH measurements made simple by fluorescent protein probes and the phasor approach to fluorescence lifetime imaging" *Chem. Comm.* 48, 5127-5129
- Signore, G., Nifosi R., Albertazzi, L., Storti, B., Bizzarri, R. **2010** "Polarity-sensitive coumarins tailored to live cell imaging" *J. Am. Chem. Soc.* 132(4): 1276-1288
- Bizzarri, R., Arcangeli, C., Arosio, D., Ricci, F., Faraci, P., Cardarelli, F., and Beltram, F. **2006**. "Development of a novel GFP-based ratiometric excitation and emission pH indicator for intracellular studies". *Biophys. J.* 90:3300-3314

Pisa, May 12th, 2023

Ramiro Bizzarri