Curriculum vitae Giuliana Giribaldi

Personal details

Born in Turin (Italy)
Nationality: Italian
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Educations

1991-1995: Ph.D. in Biochemistry, University of Torino Medical School.
1990: Master in Biological Sciences, University of Torino School of Sciences, Torino Italy

Professional experiences and current position

2022-today: Associate Professor of Clinical Biochemistry, University of Turin Medical School
2006-2022: Researcher and Professor of Biochemistry, University of Turin Medical School
2003: Researcher in medical biochemistry, Department of Genetics,
Biology and Biochemistry, University of Torino Medical School.
1997: Technician, Department of Genetics, Biology and Biochemistry, University of
Torino Medical School.
1996: Postdoctoral Fellow, Department of Genetics, Biology and Medical Chemistry,
University of Torino Medical School.
1991-1995: Ph.D. Student in Biochemistry, University of Torino Medical School.
Subject: Metabolism of Nitrogen Compounds in Rat Hepatocytes.
1990-1991: Postgraduate Fellow, Department of Genetics, Biology and Medical Chemistry, University of Torino Medical School. Subject: Mechanism of Hemolysis in Thalassemia and Glucose-6-Phosphate Dehydrogenase Deficiency.
1988 - 1990: Master Studies, Department of Genetics, Biology and Medical Chemistry, University of Torino Medical School. Subject: Mechanism of Hemolysis in Glucose-6-Phosphate Dehydrogenase Deficiency.

***Participation to Directive Boards of Scientific Societies and/or Institutions*:**

Member of *Editorial Board* of Journal of Bacteriology and Parasitology (ISSN: 2155-9597)

Honors

22/09/2006: SIBIOC Best Poster winner, Turin, 38th Congress SIBioC
13/06/2009: Best Poster winner, II Giornate Piemontesi dei Giovani Internisti, Turin, Italy
14-18/10/2013: "Best Poster Award" winner abstract 42, Second Conference on nanotechnology for Biological and Biomedical Applications (Nano-Bio-Med 2013). Trieste, Italy

***Teaching activity*:**

2006-today: **Professor of Biochemistry, University of Turin Medical School, degree course in Techniques of Neurophysiopathology**
2012-oggi: **Professor of Clinical Biochemistry, University of Turin Medical School, degree course in Biomedical Laboratory Techniques**
2018-today: **Professor of Biochemistry, University of Turin Medical School, degree course in Nursing**
2019-today: Professor of Clinical Biochemistry **and Clinical Molecular Biology ,University of Turin Medical School,** post-lauream graduate school of Medical Genetics
2019-today: Professor of Clinical Biochemistry and Clinical Molecular Biology ,University of Turin Medical School, post-lauream graduate school of Hygiene and Preventive Medicine

Research main topics

Biological effects of nanomaterials promoting wound healing in hypoxia-associated pathologies.

Identification and validation of tumor markers in urological cancers.

***Main projects as PI*:**

1) A new quantitative strategy for the molecular assessment of minimal residual disease in non-Hodgkin's lymphomas. Ricerca sanitaria Finalizzata Regione Piemonte 2002
2) Real time PCR for the quantification of residual malignant cells in B-CLL subjected to CAMPATH-1 immunotherapy. Ricerca sanitaria Finalizzata Regione Piemonte 2003
3) A new consensus strategy using "MGB-PROBES" for quantification of MMR in patients with CLL-B. Ricerca Sanitaria Finalizzata Regione Piemonte 2004
4) Identification by proteomic techniques and diagnostic validation of new tumor markers in bladder cancer. Bando regionale sulla ricerca scientifica applicata (CIPE) per l'anno 2004 nei settori: Salute e
scienze mediche, Qualità e sicurezza alimentare, Ambiente, Nanotecnologie e nanoscienze, Aeronautica e spazio.
5) Study of the combined effect of anthracyclines and bortezomib in a mouse model of xenograft with human neuroblastoma cells. Ricerca sanitaria Finalizzata Regione Piemonte 2009
6) Development and validation of new diagnostic methodologies. Convention with Nurex s.r.l. Sassari 2011/2012

Bibliometry (1994-present) (*www.scopus.com*)
28

10 best publications

1) E. Schwarzer, F. Turrini, D. Ulliers, G. Giribaldi, H. Ginsburg and P. Arese
Impairment of Macrophage Functions after Ingestion of *Plasmodium Falciparum*-infected Erythrocytes or Isolated Malarial Pigment
The Journal of Experimental Medicine (1992), 176, 1033-1041
2) D. Ghigo, R. Todde, H. Ginsburg, C. Costamagna, P. Gautret, F. Bussolino, D. Ulliers,
G. Giribaldi, E. Deharo, G. Gabrielli, G. Pescarmona and A. Bosia
Erythrocyte stages of *Plasmodium falciparum* exhibit a hight nitric oxide synthase (NOS) activity and release a NOS-inducing soluble factor
The Journal of Experimental Medicine (1995), 182, 677-688
3) F. Mannu, P.Arese, M.D. Cappellini, G. Fiorelli, M. Cappadoro, G. Giribaldi and F. Turrini
Role of Hemichrome Binding to Erythrocyte Membrane in the Generation of Band 3 Alterations in Beta Thalassemia Intermedia Erythrocytes
BLOOD (1995), 86, 2014-2020
4) M. Cappadoro, G. Giribaldi, E. O'Brien, F. Turrini, F. Mannu, D. Ulliers, G. Simula, L. Luzzatto, P. Arese
Early Phagocytosis of Glucose-6-Phosphate Dehydrogenase (G6PD)-Deficient Erythrocytes Parasitized by *Plasmodium Falciparum* May Explain Malaria Protection in G6PD Deficiency
BLOOD (1998) , 92 (7), 2527-2534
5) Giribaldi G, Ulliers D, Schwarzer E, Roberts I, Piacibello W, Arese P.
Hemozoin- and 4-hydroxynonenal-mediated inhibition of erythropoiesis. Possible role in malarial dyserythropoiesis and anemia.
Haematologica (2004), 89, 492-493
6) Prato M, Giribaldi G, Polimeni M, Gallo V, Arese P.
Phagocytosis of hemozoin enhances matrix metalloproteinase-9 activity and TNF-alpha production in human monocytes: role of matrix metalloproteinases in the pathogenesis of falciparum malaria.
J Immunol (2005),175, 6436-42
7) Giribaldi G, Procida S, Ulliers D, Mannu F, Volpatto R, Mandili G, Fanchini L, Bertetto O, Fronda G, Simula L, Rimini E, Cherchi G, Bonello L, Maule MM,Turrini F.
Specific detection of cytokeratin 20-positive cells in blood of colorectal and breast cancer patients by a high sensitivity real-time reverse transcriptase-polymerase chain reaction method.
J Mol Diagn (2006), 8,105-12.
8) Giribaldi G, Prato M, Ulliers D, Gallo V, Schwarzer E, Akide-Ndunge OB, Valente E, Saviozzi S, Calogero RA, Arese P.
Involvement of inflammatory chemokines in survival of human monocytes fed with malarial pigment.
Infect Immun. 2010 Nov;78(11):4912-21.
9) Giribaldi G, Barbero G, Mandili G, Daniele L, Khadjavi A, Notarpietro A, Ulliers D, Prato M, Minero VG, Battaglia A, Allasia M, Bosio A, Sapino A, Gontero P, Frea B, Fontana D, Destefanis P. Proteomic identification of Reticulocalbin 1 as potential tumor marker in renal cell carcinoma. J Proteomics. 2013 Jul 31;91C:385-392. doi: 10.1016/j.jprot.2013.07.018.

10) Khadjavi A, Mannu F, Destefanis P, Sacerdote C, Battaglia A, Allasia M, Fontana D, Frea B, Polidoro S, Fiorito G, Matullo G, Pantaleo A, Notarpietro A, Prato M, Castagno F, Vineis P, Gontero P, Giribaldi G*, Turrini F*. Early diagnosis of bladder cancer through the detection of urinary tyrosine-phosphorylated proteins. Br J Cancer. 2015 Jul 28;113(3):469-75. doi: 10.1038/bjc.2015.232.

15 more relevant pubblication in the last 5 yrs (2018-2022)

1): Mandili G, Notarpietro A, Khadjavi A, Allasia M, Battaglia A, Lucatello B, Frea B, Turrini F, Novelli F, Giribaldi G, Destefanis P. Beta-2-glycoprotein-1 and alpha-1-antitrypsin as urinary markers of renal cancer in von Hippel-Lindau patients. Biomarkers. 2018 Mar;23(2):123-130. doi: 10.1080/1354750X.2016.1269132.
2) Khadjavi A, Stura I, Prato M, Minero VG, Panariti A, Rivolta I, Gulino GR, Bessone F, Giribaldi G, Quaglino E, Cavalli R, Cavallo F, Guiot C. 'In Vitro', 'In Vivo' and 'In Silico' Investigation of the Anticancer Effectiveness of Oxygen-Loaded Chitosan-Shelled Nanodroplets as Potential Drug Vector. Pharm Res. 2018 Feb 26;35(4):75. doi: 10.1007/s11095-018-2371-z.
3) Allione A, Pardini B, Viberti C, Giribaldi G, Turini S, Di Gaetano C, Guarrera S, Cordero F, Oderda M, Allasia M, Gontero P, Sacerdote C, Vineis P, Matullo G. MMP23B expression and protein levels in blood and urine are associated with bladder cancer. Carcinogenesis. 2018 Oct 8;39(10):1254-1263. doi: 10.1093/carcin/bgy098.
4) Argenziano M, Bressan B, Luganini A, Finesso N, Genova T, Troia A, Giribaldi G, Banche G, Mandras N, Cuffini AM, Cavalli R, Prato M. Comparative Evaluation of Different Chitosan Species and Derivatives as Candidate Biomaterials for Oxygen-Loaded Nanodroplet Formulations to Treat Chronic Wounds. Mar Drugs. 2021 Feb 15;19(2):112. doi: 10.3390/md19020112.
5) Giribaldi G, Filippini C, Viberti C, Khadjavi A, Finesso N, Ulliers D, Turini S, Bressan BE, Pecoraro F, Prato M, Allione A, Bellis M, Montefusco G, Bonomessi G, Allasia M, Matullo G, Soria F, Gontero P. Combination of urinary fibrinogen β-chain and tyrosine-phosphorylated proteins for the detection of bladder cancer. Future Sci OA. 2021 Oct 11;7(9): FSO758. doi: 10.2144/fsoa-2021-0060. eCollection 2021 Oct.
6) Ramundo V, Giribaldi G, Aldieri E. Transforming Growth Factor-β and Oxidative Stress in Cancer: A Crosstalk in Driving Tumor Transformation. Cancers (Basel). 2021 Jun 21;13(12):3093. doi: 10.3390/cancers13123093.
7) Banche G, Allizond V, Mandras N, Finesso N, Luganini A, Genova T, Argenziano M, Magnetto C, Gulino GR, Roana J, Tullio V, Giribaldi G, Cavalli R, Spagnolo R, Troia A, Cuffini AM, Prato M. Antimicrobial oxygen-loaded nanobubbles as promising tools to promote wound healing in hypoxic human keratinocytes. Toxicol Rep. 2022 Jan 28;9:154-162. doi: 10.1016/j.toxrep.2022.01.005. eCollection 2022.
8) Narcisa Mandras, Monica Argenziano, Mauro Prato, Janira Roana, Anna Luganini, Valeria Allizond, Vivian Tullio, Nicole Finesso, Sara Comini, Bruno Emilio Bressan, Francesca Pecoraro, Giuliana Giribaldi, Adriano Troia, Roberta Cavalli, Anna Maria Cuffini, Giuliana Banche. Antibacterial and antifungal efficacy of medium and low weight chitosan-shelled nanodroplets for the treatment of infected chronic wounds. Int J Nanomed. 2022. Apr 14;17:1725-1739. doi: 10.2147/IJN.S345553. eCollection 2022.
9) Narcisa Mandras, Anna Luganini, Monica Argenziano, Janira Roana, Giuliana Giribaldi, Vivian Tullio, Lorenza Cavallo, Mauro Prato, Roberta Cavalli, Anna Maria Cuffini, Valeria Allizond and Giuliana Banche. Design, Characterization, and Biological Activities of Erythromycin-Loaded Nanodroplets to Counteract Infected Chronic Wounds Due to Streptococcus *pyogenes*. Int. J. Mol. Sci. 2023, 24(3), 1865; https://doi.org/10.3390/ijms24031865.

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