Curriculum Vitae

F A B R I Z I O D I G I U S E P P E

Proteomics Laboratory (2DE_MS) and CHIPROCO2D
Proteomics Service_scientific director, Prof. Angelucci Stefania at the Proteomics CAST Unit - "Gabriele d'Annunzio University" coordinator Prof. Federici Luca.-
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Professional Qualification: laboratory technician

Born in Francavilla al Mare (CH), Italy , On August 13, 1974.
Italian citizen, home address: c.da Colle Marconi 187, 66011 Bucchianico (CH)

EDUCATIONAL BACKGROUND

1995 High school degree in Technician of the Chemical Industries_ Istituto Professionale delle Industrie Chimiche D.U."DI MARZIO", Pescara.
2004 Fellow to the proteomic research in proteomic laboratory, advisor Professor Carmine Di Ilio , Center on Excellence on aging University "G. d'Annunzio" of Chieti-Pescara.
2005 Theoretical-practical course in Proteomics/ Two Dimensional Electrophoresis. VIII "Proteome Science" School; Dept of Molecular Biology, University , University of Siena , Siena, 6-10 Giugno, Italy.
2014 Specialization Course in Mass Spectrometry at the 'University of the Studies of Siena, Certosa di Pontignano, Siena, Italy.
2017 Training and update course on the use of animals for scientific and educational purposes_2017 Edition 28-30/11/2017, 05-7/12/2017 - CIFIV, Teramo (TE), Italy.
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Research support activities
2004 to 2016

Laboratory Technician at Proteomics Operative Unit (scientific head, Prof Carmine Di Ilio), Ce.S.I. (Exellence Center on Aging Studies)-"Gabriele d' Annunzio "Foundation of Chieti.
2013- today
Technical coordinator of Proteomics Service "CHIPROCO2D" at CAST Foundation "Gabriele d'Annunzio University" Chieti, Italy (e-mail: web address: wwwchietiproteomics.xoom.it).
2016-today
Laboratory Technician of LEONARDO Cooperative G. d'Annunzio" University Society, Chieti, Italy at Proteomics Laboratory (2DE_MS) and CHIPROCO2D Proteomics Service - scientific director, Prof. Angelucci Stefania at the Proteomics CAST Unit - "Gabriele d'Annunzio University" coordinator Prof. Federici Luca.

Teaching support activities

2004 to date technical-didactic support for theoretical-practical activities within the integrated course of Biochemistry & Clinical Biochemistry of the C.L. in Biomedical Laboratory Techniques (Old System) and Clinical Chemistry and Biochemistry course of the C.L. in Biomedical Laboratory Techniques (New Order).
2005 - 2006 he followed, as tutor, the research activity of students of the C.L. in Biomedical Laboratory Techniques and in Pharmaceutical TechnologiesUniversity "G. d'Annunzio "- Chieti, for the preparation of their thesis.
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2009 - 2010 he followed, as tutor, the activity of the student from C.L. II level in Health Biology, Faculty of Science MM.FF.NN. -Aquila University for the preparation of the degree thesis.
2011 – 2012, 2016 – 2017, 2017 to date he followed, as tutor for the internship of the thesis, the research activity of students in Biomedical Laboratory Techniques and, as co-supervisor for the drafting of the thesis-University of Studies "G. D'Annunzio. "

Support activities for advanced educational post graduated courses:

- **1st level Interuniversity MASTER COURSE in** "*PROTEOME SCIENCE: biochemical-clinical applications*" (DR n1422 of 4092015 / DR n 1802 of 4112015)**,** at Proteomics Operative Unit & CHIPROCO2D-Proteomics Service , CeSI- MeT , Chieti, Italy -**2015-2016;**

-**SEMINARIAL ACTIVITIES - AITIC UPDATE COURSES**
Proteomics in the histocytopathological and molecular diagnostic routine in Human Pathology XXV National TSLB Course Evolution or re (e) volution? **15-18 May 2018** RICCIONE, Italy
& CHIPROCO2D-Proteomics facility, CeSI-MeT , "G. d'Annunzio" University Chieti - 7 - 10 May 2018; 14 May 2018 – no.of students: 2
SKILLS
-structural and functional studies of proteins, structural and functional proteomics. Protein isolation and quantitation techniques, depletion of high abundant proteins, prefractionation by liquid phase IEF with micro-device,
-spectrophotometers measures, low pressure chromatography systems HPLC with binary system, 1D and 2D dimensional gel electrophoresis , in-gel protein digestion, western blot analysis, ELISA;
- knowledge of PD QUEST SOFTWARE and IMAGE MASTER 2D ELITE SOFTWARE, IMAGE MASTER 2D ELITE SOFTWARE, versions 5.0, 6.0 and 7.0. for image 2D analysis;
- application of MALDI-TOF MS mass spectrometry for PMF and PSD analysis, and MALDI-TOF / TOF-MS & LIFT technology for MS/MS analysis.
- use of LC-ESI-QTOF-MS nano mass spectrometer for MS/MS analysis and quantitative label free analysis.
- maintenance of murine colonies; specifically AKR / J murine strains, not genetically modified inbreeding, especially SAMR1 and SAMP8, animal models of physiological and accelerated senescence in the brain site respectively.

PUBBLICATION

1.Proteome analysis of human follicular fluid. Stefania Angelucci, Domenico Ciavardelli , Fabrizio Di Giuseppe, Enrica Eleuterio, Marilisa Sulpizio, Gian Mario Tiboni, Franca Giampietro, Patrizia Palombo, Carmine Di Ilio. Biochim Biophys Acta (2006), 1764(11), 1775-85.

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2. Insights into nuclear localization and dynamic association of CD38 in Raji and K562 cells.Trubiani O, Guarnieri S, Eleuterio E, Di Giuseppe F, Orciani M, Angelucci S, Di Primio R. J Cell Biochem. (2008) 103(4), 1294-308.

3. Proteome analysis of X-ray irradiated human erythroleukemia cells. Eleuterio E, Di Giuseppe F, Sulpizio M, di Giacomo V, Rapino M, Cataldi A, Di Ilio C, Angelucci S. Biochim Biophys Acta. (2008) 1784 (4), 611-20.

4. Proteome Analysis of Human Wharton's Jelly Cells During in Vitro Expansion. Angelucci S, Marchisio M, Di Giuseppe F, Pierdomenico L, Sulpizio M, Eleuterio E, Lanuti P, Sabatino G, Miscia S, Di Ilio C. Proteome Sci (2010) 8:1-12.

5. Molecular Basis Underlying the Biological Effects Elicited by Extremely Low-Frequency Magnetic Field (Elf-Mf) on Neuroblastoma Cells. Sulpizio M, Falone S, Amicarelli F, Marchisio M, Di Giuseppe F, Eleuterio E, Di Ilio C, Angelucci S. J Cell Biochem (2011) 112:3797-3806.

6. Eleuterio E, Trubiani O, Sulpizio M, Di Giuseppe F, Pierdomenico L, Marchisio M, Giancola R, Giammaria G, Miscia S, Caputi S, Di Ilio C, Angelucci S (2013). Proteome of human stem cells from periodontal ligament and dental pulp. PLOS ONE.;8(8):e71101.

7 Di Giulio C, Angelucci S, Di Ilio C, Eleuterio E, Di Giuseppe F, Sulpizio M, Verratti V, Pecyna M, Pokorski M. Proteomic Analysis of the Carotid Body: A Preliminary Study. Advances in experimental medicine and biology. (2013) 756:349-353.

8. Di Giuseppe F, Pierdomenico L, Eleuterio E, Sulpizio M, Lanuti P, Riviello A, Bologna G, Gesi M, Di Ilio C, Miscia S, Marchisio M, Angelucci S. Cryopreservation effects on Wharton's Jelly Stem Cells proteome. Stem Cell Rev. (2014) 10(3):429-46.

9. Simeone P, Trerotola M, Urbanella A, Lattanzio R, Ciavardelli D, Di Giuseppe F, Eleuterio E, Sulpizio M, Eusebi V, Pession A, Piantelli M, Alberti S. A unique four-hub protein cluster associates to glioblastoma progression. (2014) PLoS One. 9(7):e103030.

10. Pipino C, Pierdomenico L, Di Tomo P, Di Giuseppe F, Cianci E, D'Alimonte I, Morabito C, Centurione L, Antonucci I, Mariggiò MA, Di Pietro R, Ciccarelli R, Marchisio M, Romano M, Angelucci S, Pandolfi A. Molecular and phenotypic characterization of human amniotic fluid-derived cells: a morphological and proteomic approach (2015) Stem Cells Dev. Jun 15;24(12):1415-28.

11. Pompilio A, Riviello A, Crocetta V, Di Giuseppe F, Pomponio S, Sulpizio M, Di Ilio C, Angelucci S, Barone L, Di Giulio A, Di Bonaventura G. Evaluation of antibacterial and antibiofilm mechanisms by usnic acid against methicillin-resistant Staphylococcus aureus. (2016) Future Microbiol. Oct;11:1315-1338.

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12. Madonna R, Angelucci S, Di Giuseppe F, Doria V, Giricz Z, Görbe A, Ferdinandy P, De Caterina R. Proteomic analysis of the secretome of adipose tissue-derived murine mesenchymal cells overexpressing telomerase and myocardin (2019) J Mol Cell Cardiol Jun;131:171-186.