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ACADEMIC POSITION

Associate Professor
Department of Pharmaceutical Sciences
SSD: CHIM/01 - ANALYTICAL CHEMISTRY

ACADEMIC EMPLOYMENT

12/2017– 11/2020: RtdB Analytical Chemistry (Senior Researcher/Assistant Professor) Department of Pharmaceutical Sciences, Università degli Studi di Milano.

08/2016 – 11/2017: Proteomics Senior Research Scientist_(indefinite time contract), Analytical Support Unit, Institute of Food Research, Norwich, UK

08/2014 – 07/2016: Research Associate in Clinical Proteomics, Institute of Human Development, Faculty of Medical and Human Sciences, University of Manchester

02/2010 – 07/2014: Senior Post doc (assegnista di ricerca) at Proteomics of Food Allergy and Safety Laboratory, in Chemistry, Material and Chemical Engineering Department "Giulio Natta" (CMIC), Politecnico di Milano

02/2005 – 12/2009: Post doc (Co.Co.Pro. contract) at Biological Mass Spectrometry Unit, Fondazione Ospedale San Raffaele, Milano.

EDUCATION

Abilitazione scientifica nazionale alle funzioni di Professore di seconda fascia nel settore concorsuale **03/A1 (CHIM01)** (dal 10/09/2019 al 10/09/2025, art. 16, comma 1, Legge 240/10)

April 2005: PhD in chemistry Università degli Studi di Salerno. The tesi presented and discussed was entitled: Identification of proteins involved in molecular events by using mass spectrometry-based proteomics

October 2001: Laurea in organic chemistry, Università degli Studi di Salerno. The tesi presented and discussed was entitled: Proteomics identification of acyl-acceptor and acyl-donor substrates for transglutaminase in a human intestinal epithelial cell line. Implications for celiac disease.

FOREIGN EXPERIENCES

- Erasmus Fellowship during Chemistry degree of 6 months at Chemistry Department of University of Leeds.
- 1 year of PhD, by a Marie Curie Fellowship, in Proteomic Laboratory of Astbury Centre, University of Leeds
- August 2014-July 2016: Research Associate in Clinical Proteomics, Institute of Human Development, Faculty of Medical and Human Sciences, University of Manchester
- August 2016- until November 2017: Leader of Proteomics Support Unit (indefinite contract as Senior Research Scientist), Analytical Support Unit, Institute of Food Research, Norwich, UK

RESEARCH INTEREST

Analytical methods in protein and small molecules studies. Quantitative mass spectrometry- based proteomics in Medicinal Chemistry. Cancer

PUBLISHED PAPERS

59, h-index: 20 (Scopus 2020)

Others

Invited Reviewer of: Journal of Proteomics, Journal of Proteome Research, Food Chemistry and Book entitled: *Proteomics of biological systems protein phosphorylation using mass spectrometry techniques* of Bryan M. Ham WILEY & SONS, 2011

SELECTED PAPERS

- **D'Amato A**, Di Cesare Mannelli L, Lucarini E, Man AL, Le Gall G, Branca JJV, Ghelardini C, Amedei A, Bertelli E, Regoli M, Pacini A, Luciani G, Gallina P, Altera A, Narbad A, Gulisano M, Hoyles L, Vauzour D, Nicoletti C. Faecal microbiota transplant from aged donor mice affects spatial learning and memory via modulating hippocampal synaptic plasticity- and neurotransmission-related proteins in young recipients. *Microbiome*. 2020; 8(1):140.
- Nukala SB, Regazzoni L, Aldini G, Zodda E, Tura-Ceide O, Mills NL, Cascante M, Carini M, **D'Amato A**. Differentially Expressed Proteins in Primary Endothelial Cells Derived From Patients With Acute Myocardial Infarction. *Hypertension*. 2019;74: 947-956.
- Nukala SB, Baron G, Aldini G, Carini M, **D'Amato A**. Mass Spectrometry-based Label-free Quantitative Proteomics To Study the Effect of 3PO Drug at Cellular Level. *ACS Med Chem Lett*. 2019; 10: 577-583.
- Cardona EEG, Heathcote K, Teran LM, Righetti PG, Boschetti E, **D'Amato A**. Novel low-abundance allergens from mango via combinatorial peptide libraries treatment: A proteomics study. *Food Chem*. 2018, 269:652-660.
- **D'Amato A**, Zilberstein G, Zilberstein S, Compagnoni BL, Righetti PG. Of mice and men: Traces of life in the death registries of the 1630 plague in Milano. *J Proteomics*. 2018: S1874-3919.
- Russell MR, **D'Amato A**, Graham C, Crosbie EJ, Gentry-Maharaj A, Ryan A, Kalsi JK, Fourkala EO, Dive C, Walker M, Whetton AD, Menon U, Jacobs I, Graham RL. Novel risk models for early detection and screening of ovarian cancer. *Oncotarget*. 2016 Nov 26. .

Dati personali

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

