

Paola Roncada is Associate Professor of Microbiology and Animal Infectious Diseases at the Department of Health Sciences, Magna Græcia University of Catanzaro since 2018. Since 2019 she is President of the Italian Proteomics Association, (ItPA) and since 2016 she is Council Member of the Human Proteome Organization (HUPO). She currently is teaching microbiology in Biotechnology course and Animal Production course.

She has a degree in Chemistry and Pharmaceutical Technology from the University of Milan and a PhD in Biochemistry obtained at the Faculty of Medicine of the University of Sassari.

From 2001 to 2018 she was the Head of the Proteomics Laboratory of Veterinary Public Health and Animal Sciences at the Italian Experimental Institute Lazzaro Spallanzani in Milan. In 2006 she founded a start-up (Proteotech) at the Science and Technology Park of Sardinia- Polaris, of which she was CEO until 2016, whose mission was proteomics applied to the diagnostics of microorganisms in the veterinary field. Since 2017 she is Executive Editor of Journal of Proteomics (Elsevier) and since 2020 she is Editorial Board Member of journal 'One Health'. (Elsevier) She is/was in charge for guest editor of special issues of JOP and Animal Journal.

Over the years, Prof. Roncada has been particularly dedicated to proteomics studies, a discipline that she applied to the study of microorganisms in the field of veterinary public health, applying advanced molecular methodologies to the etiopathogenetic and diagnostic study of diseases of medical-veterinary interest, even in animal models. He also applied proteomics investigating phenotypic adaptations of microbial consortia in complex matrices, both animal and food of animal origin, with focus on metaproteomics. He also applied these methodologies in the field of animal production. These researches have been published in important international journals. The results of the research activity of prof. Roncada are reported in 89 extensive publications in international journals with anonymous review (peer review), her H index is 23 (Scopus-Elsevier January, 2021).

She is therefore the author or co-author of over two hundred printed papers including communications at national and international conferences. She is/was involved as PI or co PI for the following international/national research projects :

INTERNATIONAL (INCLUDING EUROPEAN) - Head of OU

I. 2016-2019 EU PROJECT ERA- NET ArimNET II -Coordination of the agricultural research in the Mediterranean area- BRUCMEDNET- Improvement of epidemiological and serological tools for diagnosis and control of brucellosis in the Mediterranean region- Head of Operational Unit; responsible for WP2' Immunoproteomics and serological testing'

II. 2017-2018 CROATIAN SCIENCE FOUNDATION ModZeCow Project no. IP-2014-09-660 -Modulation of metabolic, endocrine and antioxidative status in dairy cows by dietary zeolite supplementation - Operational unit responsible for serum and milk proteomics analysis with special reference to immune, inflammatory and infectious response following different diets

III. 2014-2018 EU PROJECT Cooperation in Science and Technology -COST ACTION -FOOD AND AGRICULTURE DOMAIN FA1402 'IMPROVING ALLERGY RISK ASSESSMENT STRATEGY FOR NEW FOOD PROTEINS, (IMPARAS) national delegate appointed by MIUR (MC) and Responsible for Short Term Scientific Mission.

IIII. 2013-2017 EU PROJECT FP 7 'PROLIFIC' (KBBE grant nr. 311776) PLURIDISCIPLINARY STUDY FOR A ROBUST AND SUSTAINABLE IMPROVEMENT OF FERTILITY IN COWS, Scientific Responsible UO ' proteomics and metabolomics'- in particular study on bovine endometrial cell lines of the response following stimulation with LPS

V. 2010-2014 EU PROJECT Cooperation in Science and Technology -COST ACTION -FOOD AND AGRICULTURE DOMAIN FARM ANIMAL PROTEOMICS- FAP, National delegate appointed by MIUR (MC) and member of the Core Group of the Project

NATIONAL PROJECT- PI or Head of Working Unit

MINISTRY OF AGRICULTURE PROJECT- Interventions in the supply chain aimed at improving the technological quality of milk: bentonite additives and lactic fermentations. 2019-2021 Responsible U.O, Coordinator University of Padova.

2015-2017 Research Project Characterization of Immunomodulatory Peptides from Lactic Acid Bacterial Strains - (Funding Body HEINZ)

2011 Research Project, Proteomics for the identification of milk proteins that modulate the enteric microbiome, (24 months, scientific responsible and PI of the project) (Funding body HEINZ)

2010 RESCO project, Proteomics for the identification of mechanisms of antibiotic resistance in Escherichia Coli, 24 months scientific responsible of the project (and PI); (Funding body SARDEGNA RICERCHE)

2007 S PROCRO research project, Proteomics in the etiopathogenesis of Crohn's disease, , 18 months, scientific responsible of the project (and PI); total funding (Funding body SARDEGNA RICERCHE)

MEMBER OF WORKING UNIT:

Ministry of Agriculture project 'FILIGRANA': enhancement of the production of Grana Padano for the control of the chain and the optimization of production processes, 2012, 24 months, Coordinator: Spallanzani Institute

CCM- Milano EXPO2015: Ensuring food safety - enhancing production Coordinator: UNIMI (funding body Ministry of Health-2012-2015)

Genomics and proteomics of zoonotic bacteria - 2008-2011, 36 months, Coordinator: IZS Portici-collaborator in the UNIMI Working Unit.

PRIN project biomarkers of post-translational modifications of milk proteins in relation to the state of health of the cow, 2006, 24 months, Coordinator: UNIMI (funding body MIUR)

REVIEWER ACTIVITIES.

International Project: CoST Action, H2020, ERA NET ICRAD, Serbian Science Foundation, Flemish Science Foundation, Agency of Research France, Latvian Science Foundation, Ontario Genomics National Projects: FIRB, PRIN.

INVITED SPEAKERS in several International and National Meeting

Google scholar: <https://scholar.google.it/citations?user=uX1v68AAAAAJ&hl=it>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=55574122415>

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