



## Curriculum Vitae

### PERSONAL INFORMATIONS

Name/Surname **Claudia Montaldo**  
E-mail claudia.montaldo@inmi.it  
Nationality Italian  
Date of birth 28/11/1983

Professional Register National Order of Biologist, Section A- Number **AA\_074609**  
H- index Scopus 11

### ACTUAL WORK POSITION

Date **November 2013-present**  
Position Biologist.  
Institution Department of Epidemiology, Preclinical Research and Advanced Diagnostics, National Institute of infectious diseases IRCCS Lazzaro Spallanzani, Rome.

### EDUCATION

Date **December 2021**  
Qualification Degree in Microbiology and virology Post graduate school  
University Sapienza University of Rome  
Thesis "I segnali fibrogenici persistono in pazienti HCV anche dopo il raggiungimento della risposta virologica sostenuta (SVR) mediante terapia DAA"

Date **October 2013**  
Qualification PhD fellowship in Human Biology and Genetics (26°cycle)  
University Sapienza University of Rome,  
Thesis Hepatocytic vitronectin is an early marker of liver fibrosis in HCV infection comorbidity with iron overload.

Date **October 2010**  
Qualification Degree (Lauream, Summa cum laude) in Medical Biotechnology.  
Thesis "Identificazione di proteine cellulari implicate nell'ipobetalipoproteinemia indotta dal virus dell'epatite C: l'esempio della ferritina".  
University Sapienza University of Rome.

Other language English

## JOB-RELATED SKILLS

### - Cellular coltures:

- *Maintenance and propagation of cell cultures (immortalized and adherents cells).*

### - Cellular Biology:

- *immunofluorescence.*
- *Knockdown gene using RNA interference and antisense RNA, transfections of cultured cells.*
- *Retro-lenti viral infection of cultured cells.*

### - Molecular Biology:

- Nucleic acids extraction and quantitation.
- Analysis of gene expression by Q-PCR.

### - Biochemistry and Mass spectrometry:

- Protein extraction.
- SDS-PAGE.
- Two-dimensional electrophoresis.
- Western Blotting
- Immunoprecipitation
- Protein digestion and peptide micropurification NanoHPLC- MALDI-TOF/TOF mass spectrometry and *UHPLC Q-exactive Plus Quadrupolo-Orbitrap*
- Quantitative proteomics techniques: Stable isotope labeling with aminoacid in cell culture (SILAC); Isobaric tags for relative and absolute quantitation (iTRAQ).

## IT SKILLS

- Good knowledge of Windows and Microsoft Office;
- Good knowledge of images software Adobe Photoshop.
- Good knowledge of mass spectrometry MALDI TOF-TOF software: GPS explorer, Protein Pilot, Ingenuity Pathway Analysis, Protein Discoverer, MaxQuant, Perseus.

## DRIVING LICENSE

Category B.

## REFRESHER COURSES

Date

2018-present

- **“Corso di formazione ed aggiornamento per gli operatori dei laboratori di biosicurezza dell’ INMI”,** INMI “Lazzaro Spallanzani”, Rome, December 2021.

- “L'utilizzo ai fini della clinica e della sorveglianza delle infezioni batteriche del sequenziamento NGS”. INMI “Lazzaro Spallanzani”, Rome, October 2021.
- “COVID-19, superinfezioni batteriche e fungine, HIV: ruolo della stewardship”. INMI “Lazzaro Spallanzani”, Rome, May 2021.
- “Corso di formazione ed aggiornamento per gli operatori dei laboratori di biosicurezza dell' INMI”, INMI “Lazzaro Spallanzani”, Rome, December 2020.
- “From system biology to network medicine in infectious diseases. A brainstorming meeting”. INMI “Lazzaro Spallanzani”, Rome, Genuary 2020.
- “Corso di formazione ed aggiornamento per gli operatori dei laboratori di biosicurezza dell' INMI”, INMI “Lazzaro Spallanzani”, Rome, December 2019.
- “Tecniche di base per il laboratorio di microbiologia e parassitologia per i paesi tropicali”, INMI “Lazzaro Spallanzani”, Rome, November 2019.  
“Aggiornamenti sull'uso delle metodiche di next generation sequencing in ambito microbiologico” INMI “Lazzaro Spallanzani”, Rome , October 2019.
- “Corso di formazione ed aggiornamento per gli operatori dei laboratori di biosicurezza dell' INMI”, INMI “Lazzaro Spallanzani”, Rome, December 2020.
- “From system biology to network medicine in infectious diseases. A brainstorming meeting”. INMI “Lazzaro Spallanzani”, Rome, January 2020.
- “Corso di formazione ed aggiornamento per gli operatori dei laboratori di biosicurezza dell' INMI”, INMI “Lazzaro Spallanzani”, Rome, December 2019.
- “Tecniche di base per il laboratorio di microbiologia e parassitologia per i paesi tropicali”, INMI “Lazzaro Spallanzani”, Rome, November 2019.
- “Aggiornamenti sull'uso delle metodiche di next generation sequencing in ambito microbiologico” INMI “Lazzaro Spallanzani”, Rome, October 2019.
- **Il microbioma intestinale: un fattore di rischio metabolico e cardiovascolare emergente**, Accademia medica Roma, Università Tor Vergata University , Rome, January 2018

## PUBLICATIONS

- Terri M, Mancianti N, Trionfetti F, Casciaro B, de Turris V, Raponi G, Bontempi G, **Montaldo C**, Domenici A, Menè P, Mangoni ML, Strippoli R. **Exposure to b-LED Light While Exerting Antimicrobial Activity on Gram-Negative and -Positive Bacteria Promotes Transient EMT-like Changes and Growth Arrest in Keratinocytes.** *Int J Mol Sci.* 2022 Feb 8;23(3):1896. doi: [10.3390/ijms23031896](https://doi.org/10.3390/ijms23031896).
- Riccioni V, Trionfetti F, **Montaldo C**, Garbo S, Marocco F, Battistelli C, Marchetti A, Strippoli R, Amicone L, Cicchini C, Tripodi M. **SYNCRIP Modulates the Epithelial-Mesenchymal Transition in Hepatocytes and HCC Cells.** *Int J Mol Sci.* 2022 Jan 14;23(2):913. doi: [10.3390/ijms23020913](https://doi.org/10.3390/ijms23020913).
- Matusali G, Trionfetti F, Bordoni V, Nardacci R, Falasca L, Colombo D, Terri M,

Montaldo C, Castilletti C, Mariotti D, Del Nonno F, Capobianchi MR, Agrati C, Tripodi M, Strippoli R. **Pleural Mesothelial Cells Modulate the Inflammatory/Profibrotic Response During SARS-CoV-2 Infection**. *Front Mol Biosci*. 2021 Nov 26;8:752616. doi: [10.3389/fmolb.2021.752616](https://doi.org/10.3389/fmolb.2021.752616)

- **Montaldo C**, Terri M, Riccioni V, Battistelli C, Bordoni V, D'Offizi G, Prado MG, Vescovo T, Tartaglia E, Strippoli R, Agrati C and Tripodi M. **"Persistence of fibrogenic signals in HCV DAA-treated patients that reached sustained virological response"**. *Journal of Hepatology*, 2021 Dec;75(6):1301-1311. doi: [10.1016/j.jhep.2021.07.003](https://doi.org/10.1016/j.jhep.2021.07.003).
- Trionfetti F.\*, Terri M\*, **Montaldo C**, Cordani M, Tripodi M, Cabrera ML, and Strippoli R. **"Mechanisms of peritoneal fibrosis: focus of immune cells-peritoneal stroma interactions"**. *Frontiers in Immunology*. *Front Mol Biosci*. 2021 Nov 26;8:752616. doi: [10.3389/fmolb.2021.752616](https://doi.org/10.3389/fmolb.2021.752616).
- Giulia Matusali 1, Francesca Colavita 1, Daniele Lapa 1, Silvia Meschi 1, Licia Bordi 1, Pierluca Piselli 1, Roberta Gagliardini 1, Angela Corpolongo 1, Emanuele Nicastrì 1, Andrea Antinori 1, Giuseppe Ippolito 1, Maria Rosaria Capobianchi 1, Concetta Castilletti 1, **Inmi Covid-Laboratory Team 1**. **"SARS-CoV-2 Serum Neutralization Assay: A Traditional Tool for a Brand-New Virus"** *Viruses* 2021 Apr 10;13(4):655. doi: [10.3390/v13040655](https://doi.org/10.3390/v13040655)
- Colavita F, Lapa D, Carletti F, Lalle E, Messina F, Rueca M, Matusali G, Meschi S, Bordi L, Marsella P, Nicastrì E, Marchioni L, Mariano A, Scorzoloni L, Ascoli Bartoli T, Di Caro A, Ippolito G, Capobianchi MR, Castilletti C; **INMI COVID-19 Laboratory Team** and INMI COVID-19 Study Group. **Virological Characterization of the First 2 COVID-19 Patients Diagnosed in Italy: Phylogenetic Analysis, Virus Shedding Profile From Different Body Sites, and Antibody Response Kinetics**. *Open Forum Infect Dis*. 2020 Sep 2;7(10):ofaa403. doi: [10.1093/ofid/ofaa403](https://doi.org/10.1093/ofid/ofaa403).
- Battistelli C., Garbo S., Riccioni V., **Montaldo C.**, Santangelo L., Vandelli A., Strippoli R, Tartaglia G., Tripodi M and Cicchini C **"Design and functional validation of a mutant variant of the lncRNA HOTAIR counteracting Snail function in Epithelial-to-Mesenchymal Transition"**. *Cancer Res*. 2021 Jan 1;81(1):103-113. doi: [10.1158/0008-5472](https://doi.org/10.1158/0008-5472)
- Bisceglia F, Battistelli C, Noce V, **Montaldo C**, Zammataro A, Strippoli R, Tripodi M, Amicone L, Marchetti A. **"TGFβ Impairs HNF1α Functional Activity in Epithelial-to-Mesenchymal Transition Interfering With the Recruitment of CBP/p300 Acetyltransferases"** *Front Pharmacol*. 2019 Aug 30;10:942. doi: [10.3389/fphar.2019.00942](https://doi.org/10.3389/fphar.2019.00942)
- Battistelli C, Sabarese G, Santangelo L, **Montaldo C**, Gonzalez FJ, Tripodi M, Cicchini C. **"The lncRNA HOTAIR transcription is controlled by HNF4α-induced chromatin topology modulation"** *Cell Death Diff*, 2019 28 Ago doi: [10.1038/s41418-018-0170-z](https://doi.org/10.1038/s41418-018-0170-z).
- Santangelo L., Bordoni V., **Montaldo C.**, Cimini E., Zingoni A., Battistelli C.,

Capobianchi M.R., Santoni A., Tripodi M. and Agrati C. **"DAA therapy impacts on HCV extracellular vesicles immunomodulating properties and miRNAs content"** *Liver Int.* 2018 Oct;38(10):1741-1750. doi: [10.1111/liv.13700](https://doi.org/10.1111/liv.13700)

- Santangelo L., Battistelli C., **Montaldo C.**, Citarella F., Strippoli R., Cicchini C. **"Functional Roles and Therapeutic Applications of Exosomes in Hepatocellular Carcinoma"** *BioMed Research International*, 2017 feb doi: [10.1155/2017/2931813](https://doi.org/10.1155/2017/2931813)
- Santangelo L., Giurato G., Cicchini C., **Montaldo C.**, Mancone C., Tarallo R., Battistelli C., Alonzi T., Weisz A., Tripodi M. **"The RNA-binding Protein SYNCRIP is a component of the hepatocyte exosomal machinery controlling microRNA sorting"** *Cell Rep.* 2016 Oct 11;17(3):799-808. doi: [10.1016/j.celrep.2016.09.031](https://doi.org/10.1016/j.celrep.2016.09.031).
- Orecchini E., Doria M., Antonioni A., Galardi S., Ciafrè S.A., Frassinelli L., Mancone C., **Montaldo C.**, Tripodi M., Michienzi A. **"ADAR1 restrict LINE-1 retrotransposition"** *Nucleic Acids Research*, 2016 Sep 9;45(1):155-168. doi: [10.1093/nar/gkw834](https://doi.org/10.1093/nar/gkw834).
- Baiocchini A.\*, **Montaldo C.\***, Conigliaro A., Grimaldi A., Correani V., Mura F., Ciccocanti F., Rotiroti N., Brenna A., Montalbano M., D'Offizi G., Capobianchi M.R., Alessandro R., Piacentini M., Schininà M.E., Maras B., Del Nonno F., Tripodi M., Mancone C. **"Extracellular matrix molecular remodeling in human liver fibrosis evolution"** *Plos One*, 2016 Mar 21: e0151736. *\*joint first author.* doi: [10.1371/journal.pone.0151736](https://doi.org/10.1371/journal.pone.0151736)
- Pinzaglia M. \*, **Montaldo C. \***, Polinari D. \*, Mattei S., La Teana S., Tripodi M., Mancone C., Londei P., Benelli D. **"eIF6 over-expression increases the motility and invasiveness of cancer cells by modulating the expression of a critical subset of membrane-bound proteins."** *BMC Cancer*, 2015 Mar 15;15:131. *\*joint first author.* doi: [10.1186/s12885-015-1106-3](https://doi.org/10.1186/s12885-015-1106-3)
- **Montaldo C.**, Mancone C., Conigliaro A., Cozzolino A.M., de Nonno V., Tripodi M. **"SILAC labeling coupled to shotgun proteomics analysis of membrane proteins of liver stem/hepatocyte allows to candidate the inhibition of TGF-beta pathway as causal to differentiation."** *Proteome Sci.* 2014 Mar 15; 12(1):15 doi: [10.1186/1477-5956-12-15](https://doi.org/10.1186/1477-5956-12-15).
- **Montaldo C.**, Mattei S., Baiocchini A., Rotiroti N., Del Nonno F., Pucillo L.P., Cozzolino A.M., Battistelli C., Amicone L., Ippolito G., Van Noort V., Conigliaro A., Alonzi T., Tripodi M., Mancone C. **"Spike-in SILAC proteomic approach reveals the vitronectin as an early molecular signature of liver fibrosis in hepatitis C infections with hepatic iron overload."** *Proteomics*, 2014 May; 14(9):1107-15. doi: [10.1002/pmic.201300422](https://doi.org/10.1002/pmic.201300422).
- Mancone C., Ciccocanti F., **Montaldo C.**, Perdomo A.B., Piacentini M., Alonzi T., Fimia G.M., Tripodi M. **"Applying proteomic technology to clinical virology."**

*Clin Microbiol Infec.* 2013 Jan;19(1):23-28 doi: [10.1111/1469-0691.12029](https://doi.org/10.1111/1469-0691.12029).

- Mancone C. \*, **Montaldo C. \***, Santangelo L., Di Giacomo C., Costa V., Amicone L., Ippolito G., Pucillo L.P., Alonzi T., Tripodi M.: **"Ferritin heavy chain is the host factor responsible for HCV-induced inhibition of apoB-100 production and is required for efficient viral infection."** *J Proteome Res.* 2012 May 4; 11(5):2786-97. *\*joint first author* doi: [10.1021/pr201128s](https://doi.org/10.1021/pr201128s).

## CONGRESS

- **2019 European Researchers' Night** (2017-2019) National institute of infectious diseases, L.Spallanzani, I.R.C.C.S. Roma.
- **47° national meeting of microbiology Italian Society (SIM)** (18-21/09/2019, Angelicum congress centre, Rome)
- **Gordon Research Conference - From Basic Research to Clinical Diagnostic and Therapeutic Applications of Extracellular Vesicles** (19-24/8/2018, Newry USA).

Poster: *Dissection of the molecular machinery controlling miRNA sorting in exosomes*, Cecilia Battistelli, Giovanna Sabarese, Claudia Montaldo, Laura Santangelo, Fruzsina Hobor, Andres Ramos, Carla Cicchini and Marco Tripodi

- **ABCD Meeting: "Signal Transduction in Cancer"** (22-24/11/2018, Torino, Italia).

Poster: *EMT-driving mechanisms*, Cecilia Battistelli, Giovanna Sabarese, Claudia Montaldo, Laura Santangelo, Fruzsina Hobor, Andres Ramos, Carla Cicchini and Marco Tripodi

- **HCV 2012 International Symposium on Hepatitis C Virus and Related Viruses** (5-6 Ottobre 2012, Venezia, Italia).

Poster: *Proteome profiles unveil the molecular traits of iron overload in HCV-infected cells resulting in morphogenetic and functional alterations*. **Claudia Montaldo**, Simone Mattei, Tonino Alonzi, Marco Tripodi and Carmine Mancone

- **ITPA 2012 Italian Proteomic Association** (12-15 Giugno 2012, Viterbo, Italia).

Poster e presentazione orale: *Ferritin heavy chain is the host factor responsible for HCV-induced inhibition of apoB-100 production and is required for efficient viral infection* **Claudia Montaldo**, Carmine

Mancone, Laura Santangelo, Cristina Di Giacomo, Viviana Costa, Laura Amicone, Giuseppe Ippolito, Leopoldo P. Pucillo, Tonino Alonzi, and Marco Tripodi.

- **HCV 2011 International Symposium on Hepatitis C Virus and Related Viruses** (8-12 Settembre 2011 Seattle, Washington, USA)

Poster: “*Network generation based on quantitative proteomic data reveals cellular factors involved in the HCV-induced inhibition of VLDL production*” Carmine Mancone, **Claudia Montaldo**, Laura Santangelo, Cristina Di Giacomo, Laura Amicone, Giuseppe Ippolito, Leopoldo Paolo Pucillo, Tonino Alonzi and Marco Tripodi.

**TEACHING**

Date

2014-2020

Master in Molecular Virology A.A Sapienza University of Rome.

***I hereby authorize the use of my personal data in compliance with the Italian law N° 675/96***

***Rome, April 11, 2022***