

+Allegato B

Ilaria Laudadio Curriculum Vitae

Place Rome

Date 11/06/2024

Part I – General Information

Full Name	Ilaria Laudadio
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Part II – Education

Type	Year	Institution	Notes
Licensure	2022	MUR-Ministero dell'Università e della Ricerca	Abilitazione Scientifica Nazionale professore di II FASCIA 05/F1
PhD	2011	Université Catholique de Louvain, Brussels, Belgium	PhD in Biomedical and Pharmaceutical Sciences
University graduation	2005	Sapienza University of Rome	Master's degree in Medical, Molecular and Cellular Biotechnology
University graduation	2003	Sapienza University of Rome	Bachelor's degree in Biotechnology

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
12/10/2022	today	Sapienza University of Rome Dipartimento di Medicina Molecolare	Ricercatore a t.d. Tipo A - t.pieno (art. 24 c.3-a L. 240/10)– SSD BIO/13 (proroga)
15/04/2019	11/10/2022	Sapienza University of Rome Dipartimento di Medicina Molecolare	Ricercatore a t.d. Tipo A - t.pieno (art. 24 c.3-a L. 240/10)

IIIB – Other Appointments

Start	End	Institution	Position
01/05/2018	31/12/2018	Sapienza University of Rome Dipartimento di Biotecnologie cellulari ed ematologia	Collaboratore coordinato continuativo
01/08/2017	31/03/2018	Sapienza University of Rome Dipartimento di Pediatria e neuropsichiatria infantile	Collaboratore coordinato continuativo
01/08/2016	31/07/2017	Sapienza University of Rome Dipartimento di Biotecnologie cellulari ed ematologia	Assegnista di ricerca
01/08/2015	31/07/2016	Sapienza University of Rome Dipartimento di Biotecnologie cellulari ed	Assegnista di ricerca

		ematologia	
01/08/2014	31/07/2015	Sapienza University of Rome Dipartimento di Biotecnologie cellulari ed ematologia	Assegnista di ricerca
01/08/2013	31/07/2014	Sapienza University of Rome Dipartimento di Biotecnologie cellulari ed ematologia	Assegnista di ricerca
01/08/2012	31/07/2013	Sapienza University of Rome Dipartimento di Biotecnologie cellulari ed ematologia	Assegnista di ricerca
01/08/2011	31/07/2012	Sapienza University of Rome Dipartimento di Biotecnologie cellulari ed ematologia	Assegnista di ricerca
01/10/2006	31/03/2011	Université Catholique de Louvain, de Duve Institute, Bruxelles, Belgio	PhD student

IIIC - Qualifications

Type	Year	Institution	Notes
Certificate	2009	Université Catholique de Louvain, Brussels, Belgium	FELASA cat. C Certification - Laboratory Animal Science (person responsible for directing animal experiments)
Certificate	2007	Université Catholique de Louvain, Brussels, Belgium	FELASA cat. B Certification - Laboratory Animal Science (person carrying out animal experiments)

Part IV – Teaching experience

Year	Institution	Lecture/Course
2024	Sapienza University of Rome Facoltà di Farmacia e Medicina	Biologia e Genetica (SSD BIO/13), Corso di laurea magistrale in Medicina e Chirurgia (corso B) <i>Membro della commissione esaminatrice</i>
2021- today	Sapienza University of Rome Facoltà di Farmacia e Medicina; Medicina e Psicologia; Scienze Matematiche, Fisiche e Naturali	Biologia Cellulare (SSD BIO/13), Corso di Studi in Biotecnologie <i>Membro della commissione esaminatrice</i>
2023/2024	Sapienza University of Rome Facoltà di Medicina e Odontoiatria; Farmacia e Medicina	Biologia Applicata (SSD BIO/13, 2 CFU, 24h) Corso di Studi in Infermieristica (abilitante alla professione sanitaria di infermiere) - corso di laurea V - ASL Viterbo

		<i>Titolare del corso e coordinatore del corso integrato di “Basi molecolari e cellulari della vita”</i>
2023/2024	Sapienza University of Rome Facoltà di Medicina e Odontoiatria; Farmacia e Medicina	Biologia Applicata (SSD BIO/13, 2 CFU, 24h) Corso di Studi in Ostetricia (abilitante alla professione sanitaria di Ostetrica/o) - Corso di laurea C - ASL Viterbo <i>Titolare del corso e coordinatore del corso integrato di “Basi molecolari e cellulari della vita”</i>
2023/2024	Sapienza University of Rome Facoltà di Medicina e Odontoiatria; Farmacia e Medicina	Biologia Applicata (SSD BIO/13, 2 CFU, 24h) Corso di Studi in Infermieristica (abilitante alla professione sanitaria di Infermiere) - Corso di laurea D - Roma Azienda Policlinico Umberto I/Aeronautica Militare <i>Titolare del corso</i>
2022/2023	Sapienza University of Rome Facoltà di Medicina e Odontoiatria; Farmacia e Medicina	Attività didattica elettiva (ADE) di Biologia (SSD BIO/13, 12 h) “Riparo Cellulare”, Corso di Studi in Infermieristica (abilitante alla professione sanitaria di Infermiere) - Corso di laurea V - ASL Viterbo <i>Titolare dell’attività</i>
2021/2022	Sapienza University of Rome Facoltà di Medicina e Odontoiatria; Farmacia e Medicina	Biologia Applicata (SSD BIO/13, 2 CFU, 24h) Corso di Studi in Infermieristica (abilitante alla professione sanitaria di infermiere) - corso di laurea C - ASL Viterbo <i>Titolare del corso e coordinatore del corso integrato di “Basi molecolari e cellulari della vita”</i>
2021/2022	Sapienza University of Rome Facoltà di Medicina e Odontoiatria; Farmacia e Medicina	Biologia Applicata (SSD BIO/13, 2 CFU, 24h) Corso di Studi in Ostetricia (abilitante alla professione sanitaria di Ostetrica/o) - Corso di laurea C - ASL Viterbo <i>Titolare del corso</i> <i>Coordinatore del corso integrato di “Basi molecolari e cellulari della vita”</i>
2021/2022	Sapienza University of Rome Facoltà di Medicina e Odontoiatria; Farmacia e Medicina	Biologia Applicata (SSD BIO/13, 2 CFU, 24h) Corso di Studi in Infermieristica (abilitante alla professione sanitaria di Infermiere) - Corso di laurea D - Roma Azienda Policlinico Umberto I/Aeronautica Militare

		<i>Titolare del corso</i>
2020/2021	Sapienza University of Rome Facoltà di Medicina e Psicologia	Biologia Applicata (SSD BIO/13, 3 CFU, 30h) Corso di Studi in Tecniche di laboratorio biomedico (abilitante alla professione sanitaria di Tecnico di laboratorio biomedico) - Roma Azienda Ospedaliera Sant'Andrea <i>Titolare del corso</i>
2019/2020	Sapienza University of Rome Facoltà di Medicina e Psicologia	Biologia Applicata (SSD BIO/13, 3 CFU, 30h) Corso di Studi in Tecniche di laboratorio biomedico (abilitante alla professione sanitaria di Tecnico di laboratorio biomedico) - Roma Azienda Ospedaliera Sant'Andrea <i>Titolare del corso</i>

Part V – Mentoring experience

Year	Institution	Lecture/Course
2023	Sapienza University of Rome	Tutor di riferimento- Avvio alla ricerca 2023, “Characterization of FAM46C as a new player in chronic intestinal inflammation”
2019-today	Sapienza University of Rome	Co-Tutor of PhD students (Human Biology and Medical Genetics PhD Program)
2013-today	Sapienza University of Rome	Supervisor of undergraduate students (Master’s degree in Biology and Biotechnology, Bachelor’s degree in Biotechnology)

Part VI- Editorial activity

Year	Title
From 2020	Academic Editor for International Journal of Genomics, Hindawi
From 2024	Academic Editor for Frontiers in Molecular Biosciences, Frontiers

Part VII - Society memberships, Awards and Honors

Year	Title
2022	“Contributi premiali per i ricercatori e assegnisti di ricerca per rafforzarne la condizione professionale e potenziare il sistema della ricerca del Lazio” (Determinazione Dirigenziale n. G05411 del 05/05/2022)
2020	ECCO (European Crohn’s and Colitis Organization) member
2010	EASL Young Investigator’s Bursary at the “EASL Monothematic Conference: Signaling in the Liver”, Amsterdam, The Netherlands

2009	First prize for scientific presentation at BACR (Belgian Association for Cancer Research)- Annual Meeting “Micro-RNA and Cancer”, Brussels, Belgium
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Part VIII – Participation in International and National Meetings

Year	Conference	Title
2024	DDW 2024 Digestive Disease Week Washington, D.C, USA	<i>Poster:</i> INTERPLAY BETWEEN TRANSCRIPTIONAL AND TRANSLATIONAL PROGRAMS DURING IN INTESTINAL FIBROSIS. Scafa N, Carissimi C, Cucchiara S, Stronati L and Laudadio I (presenting author)
2024	DDW 2024 Digestive Disease Week Washington, D.C, USA	<i>Selected oral presentation:</i> CHARACTERIZATION OF PATIENT-DERIVED INTESTINAL ORGANOID FOR MODELING FIBROSIS IN INFLAMMATORY BOWEL DISEASE Laudadio I , Carissimi C, Scafa N, Bastianelli A, Russo G, Fulci V, Cucchiara S, Oliva S and Stronati L (<i>presenting author</i>)
2017	BACR Non-Coding RNAs in Cancer and Development. London, UK	<i>Poster:</i> STUDY OF THE ROLE OF AGO2 IN TELOMERE LENGTHENING IN HUMAN CELLS. Laudadio I (presenting author) , Carissimi C, Macino G and Fulci V
2014	EMBO Workshop Non-coding RNAs in genome expression, maintenance and stability. Cargese, France	<i>Selected oral presentation:</i> ARGONAUTE2 COOPERATES WITH SWI/SNF COMPLEX TO DETERMINE NUCLEOSOME OCCUPANCY AT HUMAN TRANSCRIPTION START SITES. Carissimi C*, Laudadio I* (presenting author) , Cipolletta E, Gioiosa S, Mihailovich M, Bonaldi T, Macino G, Fulci V * co-first author
2014	FISV 2014, FISV XIII Congress, Pisa, Italy	<i>Selected oral presentation:</i> ARGONAUTE2 COOPERATES WITH SWI/SNF COMPLEX TO DETERMINE NUCLEOSOME OCCUPANCY AT HUMAN TRANSCRIPTION START SITES. Carissimi C*, Laudadio I* (presenting author) , Cipolletta E, Gioiosa S, Mihailovich M, Bonaldi T, Macino G, Fulci V * co-first author
2010	FASEB Summer Research Conference: "Liver Growth, Injury and Metabolism: Basic and Applied Biology", Snowmass Village, USA	<i>Selected oral presentation:</i> A GENE CASCADE INVOLVING ONECUT TRANSCRIPTION FACTORS AND MIR-122 STIMULATES HEPATIC CELL DIFFERENTIATION Laudadio I (presenting author) , Manfroid I, Simion AM, Cordi S, AchourilY, Odom D,

		Peers B, Jacquemin P, Pierreux CE, and Lemaigre FP
2010	“EASL Monothematic Conference: Signaling in the Liver”, Amsterdam, The Netherlands	<i>Poster:</i> REGULATION OF HEPATIC CELL DIFFERENTIATION BY ONECUT TRANSCRIPTION FACTORS AND MIR-122. Laudadio I (presenting author) , Manfroid I, Odom D, Pierreux CE, Simion AM, Peers B, Jacquemin P, and Lemaigre FP

Part IX - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2024	Role of the EMT-transcription factor ZNF281 in controlling breast cancer progression and invasion	I- Progetti di Ricerca Medi 2023“Sapienza” University of Rome	
2023	Interplay between transcriptional, translational and metabolic programs during fibroblast activation in intestinal inflammatory disorders.	PI-PRIN: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE – Bando 2022, finanziato dall’Unione europea – Next Generation EU	
2022	Multiomics and machine learning to predict response to drug therapies in pediatric Eosinophilic Esophagitis	I-Progetti di Ricerca Grandi 2022, “Sapienza” University of Rome	
2021	Examining intestinal fibrosis in patients with Crohn's disease using organoid models	I- Progetti di Ricerca Medi 2021“Sapienza” University of Rome	
2020	Characterization of the esophageal tissue by single cell RNA sequencing in pediatric patients with eosinophilic esophagitis and identification of novel biomarkers to predict the early relapse to the disease	I- Progetti di Ricerca Medi 2020 “Sapienza” University of Rome	
2019	Immunosensori modificati con materiale nanostrutturato per la rilevazione di biomarcatori fecali di infiammazione e permeabilità intestinale: un importante progresso nella gestione di malattie ad alta prevalenza” PaGIMeter	I-Progetto Strategico della Regione Lazio	
2019	Role of gut-liver axis in non-alcoholic steatohepatitis (NASH)	I-Progetti di Ricerca Medi 2019 “Sapienza” University of Rome	
2015	Study of the role of ARGONAUTE 2 in the	PI- Avvio alla ricerca 2015, “Sapienza” University of	

	control of cell cycle in human cells	Rome	
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Part X – Patents

Year	Title
June 2024 - <i>Patent application in preparation.</i>	Immunosensore elettrochimico per la determinazione di due marker di infiammazione intestinale nelle feci: calprotectina e lattoferrina.

Part XI – Research Activities

Keywords	Brief Description
Fibrosis; Inflammation; ZNF281; Organoids; Immunosensors	<u>Molecular mechanisms of intestinal inflammation and fibrosis.</u> Main results attained: - identification of the transcription factor ZNF281 as a new key regulator of gut fibrosis in inflammatory bowel disease (IBD); - set-up of intestinal organoids derived from IBD patients as a model of inflammatory-driven fibrosis; - study of natural extracts as anti-fibrotic and anti-inflammatory agents (<i>paper submitted</i>); - set up of immunosensors for the detection of fecal markers of inflammation (<i>paper and patent application in preparation</i>).
Microbiota; shotgun metagenomics	<u>Technical and functional insights in the study of human microbiota.</u> Main results attained: - publication of first comparison between 16S rDNA amplicon sequencing and shotgun metagenomics for the study of gut microbiota; - analyses of gut microbiota composition in pediatric inflammatory bowel diseases and in autism spectrum disorders; - analyses of biliary microbiota composition in obese patients (<i>paper in preparation</i>).
microRNA; epitranscriptomics; methyl -5-cytosine	<u>Profiling of epitranscriptomic modifications in miRNA.</u> Main results attained: - Description of the first high-throughput NGS-based method, namely Bisulphite (BS)- miRNA-seq, and an analysis pipeline (MAMBA) to identify methyl -5-cytosine (m5C) modifications in human miRNAs at single nucleotide resolution.
Argonaute; Small non-coding RNAs; nucleosome; telomerase.	<u>Nuclear functions of Argonaute (AGO) proteins and novel classes of small non-coding RNAs (sRNAs).</u> Main results attained: -identification of a class of AGO-bound small noncoding RNAs mapping at the Transcription Start Sites (swi-RNAs), that control nucleosome occupancy; -characterized sRNAs derived from TTSs of genes involved in cell cycle progression regulation (TTSa-RNAs); - identification of a novel function of AGO2 in promoting telomerase activity.
miR-122 liver development HNF6 OC2	<u>miRNAs in differentiation and development:</u> Main results attained: -identification of miR-122 as master regulator of liver development and hepatic cell differentiation via a positive feed-back loop with the transcription

factors HNF-6 and OC-2.

- International and National Collaborations:

- International collaborations

Bernard Peers (Université de Liège, GIGA Research, Liegi, Belgium), Frans Schuit (Gene Expression Unit, Department of Molecular Cell Biology, Katholieke Universiteit Leuven, Leuven, Belgium), Duncan Odom (Cancer Research UK, Cambridge Research Institute, and Department of Oncology, Hutchison/MRC Research Centre, Cambridge, UK), Patrick Jacquemin (De Duve Institute, Université catholique de Louvain, Bruxelles, Belgio), Nikolaus Rajewsky (Max Delbrück Center for Molecular Medicine, Berlino, Germania), Marc E. Rothenberg, (Division of Allergy and Immunology Cincinnati Children's Hospital Medical Center, USA).

- National collaborations

Tiziana Bonaldi (Istituto Europeo di Oncologia IEO, Milano), Antonella Sgura (Università Roma Tre, Roma), Daniela Taverna (Università degli studi di Torino, Torino), Anna Negroni e Roberta Vitali (Divisione Tecnologie e metodologie per la salvaguardia della salute, ENEA, Roma), Lorenza Putignani (Ospedale Pediatrico “Bambino Gesù”, Roma), Nicola Manfrini (Università degli Studi di Milano, Milano), Francesco Cardona, Salvatore Cucchiara, Salvatore Oliva, Vincenzo Cardinale, Franco Mazzei, Daniela Secci, Gianfranco Silecchia (“Sapienza” Università di Roma, Roma).

Part XII- Significant career breaks

Type	Year
Maternity leave	29/02/2020-29/07/2020

Part XIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	31	Scopus	2006	2024

Total Impact factor	142,428
Average Impact factor per Product	4,58
Total Citations	1084
Average Citations per Product	34,96
Hirsch (H) index	14
Normalized H index*	0,77

*H index divided by the academic seniority.

First author products	13
Last autor products	1
Corresponding author products	5

Part XIV– Publications selected for the evaluation

1. **Laudadio I***, Carissimi C, Scafa N, Bastianelli A, Fulci V, Renzini A, Russo G, Oliva S, Vitali R, Palone F, Cucchiara S, Stronati L. Characterization of patient-derived intestinal organoids for modelling fibrosis in Inflammatory Bowel Disease. *Inflamm Res*. 2024 Jun 6. doi: 10.1007/s00011-024-01901-9. Epub ahead of print. PMID: 38842554. **corresponding author IF 6,7 Cit. 0*
2. Greco F, Lorefice E, Carissimi C, **Laudadio I**, Ciccocanti F, Di Rienzo M, Colavita F, Meschi S, Maggi F, Fimia GM, Fulci V. A microRNA Arising from the Negative Strand of SARS-CoV-2 Genome Targets FOS to Reduce AP-1 Activity. *Noncoding RNA*. 2023 May 23;9(3):33. doi: 10.3390/ncrna9030033. PMID: 37368333; PMCID: PMC10301948. **IF 4,3 Cit. 1**
3. Vitali R, Mancuso AB, Palone F, Pioli C, Cesi V, Negroni A, Cucchiara S, Oliva S, Carissimi C, **Laudadio I**, Stronati L. PARP1 Activation Induces HMGB1 Secretion Promoting Intestinal Inflammation in Mice and Human Intestinal Organoids. *Int J Mol Sci*. 2023 Apr 12;24(8):7096. doi: 10.3390/ijms24087096. PMID: 37108260; PMCID: PMC10138503. **IF 5,6 Cit. 2**
4. **Laudadio I***, Bastianelli A, Fulci V, Carissimi C, Colantoni E, Palone F, Vitali R, Lorefice E, Cucchiara S, Negroni A, Stronati L. ZNF281 Promotes Colon Fibroblast Activation in TGFβ1-Induced Gut Fibrosis. *Int J Mol Sci*. 2022 Sep6;23(18):10261. doi: 10.3390/ijms231810261. PMID: 36142169; PMCID: PMC9499662. **corresponding author IF 6,21 Cit. 3*
5. Colantoni E, Palone F, Cesi V, Leter B, Sugoni G, **Laudadio I**, Negroni A, Vitali R, Stronati L. Innovative method to grow the probiotic *Lactobacillus reuteri* in the omega3-rich microalga *Isochrysis galbana*. *Sci Rep*. 2022 Feb 24;12(1):3127. doi: 10.1038/s41598-022-07227-y. PMID: 35210548; PMCID:PMC8873227. **IF 4,38 Cit. 2**
6. Fiaschini N, Negroni A, Palone F, Vitali R, Colantoni E, **Laudadio I**, Mancuso M, Cucchiara S, Stronati L. Colonic inflammation accelerates the progression of liver disease: A protective role of dipotassium glycyrrhizate. *Dig Liver Dis*. 2022 Aug;54(8):1084-1093. doi: 10.1016/j.dld.2021.11.015.PMID: 34903499. **IF 4,08 Cit. 3**
7. Carissimi C*, **Laudadio I***, Lorefice E, Azzalin G, De Paolis V, Fulci V. Bisulphite miRNA-seq reveals widespread CpG and non-CpG 5-(hydroxy)methyl-Cytosine in human microRNAs. *RNA Biol*. 2021 Dec;18(12):2226-2235. doi:10.1080/15476286.2021.1927423. PMID: 33980133; PMCID:PMC8648262. **co-first author IF 4,65 Cit. 14*
8. Oliva S*, **Laudadio I***, Fulci V, Rossetti D, Isoldi S, Stronati L, Carissimi C. SERPINB12 as a possible marker of steroid dependency in children with eosinophilic esophagitis: A pilot study. *Dig Liver Dis*. 2020 Feb;52(2):158-163. doi: 10.1016/j.dld.2019.08.018. PMID: 31653522. **co-first author IF 4,08 Cit. 3*
9. Carissimi C*, **Laudadio I***, Palone F, Fulci V, Cesi V, Cardona F, Alfonsi C, Cucchiara S, Isoldi S, Stronati L. Functional analysis of gut microbiota and immunoinflammation in children with autism spectrum disorders. *Dig Liver Dis*. 2019 Oct;51(10):1366-1374. doi: 10.1016/j.dld.2019.06.006. PMID: 31320306. **co-first author IF 4,08 Cit. 39*
10. **Laudadio I***, Orso F, Azzalin G, Calabrò C, Berardinelli F, Coluzzi E, Gioiosa S, Taverna D, Sgura A, Carissimi C, Fulci V. AGO2 promotes telomerase activity and interaction between the telomerase components TERT and TERC. *EMBO Rep*. 2019 Feb;20(2):e45969. doi: 10.15252/embr.201845969. PMID: 30591524; PMCID: PMC6362350. **corresponding author IF*

7,49 Cit. 21

11. **Laudadio I**, Fulci V, Palone F, Stronati L, Cucchiara S, Carissimi C. Quantitative Assessment of Shotgun Metagenomics and 16S rDNA Amplicon Sequencing in the Study of Human Gut Microbiome. *OMICS*. 2018 Apr;22(4):248-254. doi:10.1089/omi.2018.0013. PMID: 29652573. **IF 2,6 Cit. 145**

12. Carissimi C*, **Laudadio I***, Cipolletta E, Gioiosa S, Mihailovich M, Bonaldi T, Macino G, Fulci V. ARGONAUTE2 cooperates with SWI/SNF complex to determine nucleosome occupancy at human Transcription Start Sites. *Nucleic Acids Res*. 2015 Feb 18;43(3):1498-512. doi: 10.1093/nar/gku1387. PMID:25605800; PMCID: PMC4330357. *co-first author **IF 9,2 Cit. 38**

Part XV– Other Publications (not selected for evaluation)

13. Trovato CM, Montuori M, Leter B, **Laudadio I**, Russo G, Oliva S. Role of age in dynamics of autoantibodies in pediatric Celiac disease. *Ital J Pediatr*. 2023 Mar 23;49(1):38. doi: 10.1186/s13052-023-01435-6. PMID: 36959611; PMCID: PMC10037870.

14. Trovato CM, Montuori M, Morelli A, Lionetti E, Naspi-Catassi G, **Laudadio I**, Valitutti F, Catassi C. The surprising 'Coeliac Chinese box' from Italy. *Gastroenterol Rep (Oxf)*. 2021 Jan 30;9(5):478-479. doi: 10.1093/gastro/goaa093. PMID: 34733535; PMCID: PMC8560033.

15. De Paolis V, Loreface E, Orecchini E, Carissimi C, **Laudadio I***, Fulci V. Epitranscriptomics: A New Layer of microRNA Regulation in Cancer. *Cancers (Basel)*. 2021 Jul 5;13(13):3372. doi: 10.3390/cancers13133372. PMID: 34282776; PMCID: PMC8268402. (review) *corresponding author

16. Vitali R, Terrin G, Palone F, **Laudadio I**, Cucchiara S, Boscarino G, Di Chiara M, Stronati L. Fecal High-Mobility Group Box 1 as a Marker of Early Stage of Necrotizing Enterocolitis in Preterm Neonates. *Front Pediatr*. 2021 Jun 10;9:672131. doi: 10.3389/fped.2021.672131. PMID: 34178888; PMCID: PMC8222523.

17. Fulci V, Carissimi C, **Laudadio I**. COVID-19 and Preparing for Future Ecological Crises: Hopes from Metagenomics in Facing Current and Future Viral Pandemic Challenges. *OMICS*. 2021 Jun;25(6):336-341. doi: 10.1089/omi.2021.0058. Epub 2021 May 25. PMID: 34037469. (review)

18. Fulci V, Stronati L, Cucchiara S, **Laudadio I***, Carissimi C. Emerging Roles of Gut Virome in Pediatric Diseases. *Int J Mol Sci*. 2021 Apr 16;22(8):4127. doi:10.3390/ijms22084127. PMID: 33923593; PMCID: PMC8073368. (review) *corresponding author

19. Putignani L, Oliva S, Isoldi S, Del Chierico F, Carissimi C, **Laudadio I**, Cucchiara S, Stronati L. Fecal and mucosal microbiota profiling in pediatric inflammatory bowel diseases. *Eur J Gastroenterol Hepatol*. 2021 Nov 1;33(11):1376-1386. doi: 10.1097/MEG.0000000000002050. PMID: 33470709.

20. Negroni A, Fiaschini N, Palone F, Vitali R, Colantoni E, **Laudadio I**, Oliva S, Aloï M, Cucchiara S, Stronati L. Intestinal Inflammation Alters the Expression of Hepatic Bile Acid Receptors Causing Liver Impairment. *J Pediatr Gastroenterol Nutr*. 2020 Aug;71(2):189-196. doi: 10.1097/MPG.0000000000002759. PMID: 32404746.

21. **Laudadio I**, Cesi V, Carissimi C. Metagenomics in Italy and Europe: Three Actionable Challenges/Prospects in 2020. *OMICS*. 2020 Mar;24(3):122-123. doi:10.1089/omi.2020.0006. Epub 2020 Feb 19. PMID: 32073995. (editorial)

22. **Laudadio I**, Formichetti S, Gioiosa S, Klironomos F, Rajewsky N, Macino G, Carissimi C, Fulci V. Characterization of Transcription Termination-Associated RNAs: New Insights into their Biogenesis, Tailing, and Expression in Primary Tumors. *Int J Genomics*. 2018 Apr 26;2018:1243858. doi: 10.1155/2018/1243858.

PMID: 29854718; PMCID: PMC5944193. **IF 2,3 Cit. 5**

23. **Laudadio I**, Fulci V, Stronati L, Carissimi C. Next-Generation Metagenomics: Methodological Challenges and Opportunities. *OMICS*. 2019 Jul;23(7):327-333. doi:10.1089/omi.2019.0073. Epub 2019 Jun 12. PMID: 31188063. (*review*)

24. **Laudadio I**, Carissimi C, Fulci V. How RNAi machinery enters the world of telomerase. *Cell Cycle*. 2019 May;18(10):1056-1067. doi:10.1080/15384101.2019.1609834. Epub 2019 May 7. PMID: 31014212; PMCID:PMC6592256. (*review*)

25. Carissimi C, Colombo T, Azzalin G, Cipolletta E, **Laudadio I**, Macino G, Fulci V. Comprehensive RNA dataset of AGO2 associated RNAs in Jurkat cells following miR-21 over-expression. *Data Brief*. 2016 Feb 24;7:604-6. doi: 10.1016/j.dib.2016.02.041. PMID: 27054165; PMCID: PMC4802421.

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