MARCO MORSELLI, Ph.D.

PERSONAL INFORMATION

Date and place of birth: 07 September 1987; Parma, Italy
Nationality: Italy
Languages: Italian, English (U.S.)
e-mail: marco.murslegn@gmail.com (personal)
marco.morselli@unipr.it (institutional)

CURRENT POSITION

Junior Assistant Professor (RTD-A) — September 2021 - Present
University of Parma — Parma, Italy
Department of Chemistry, Life Sciences and Environmental Sustainability

Parco Area delle Scienze, 23/a,
43124 Parma (PR), Italy

RESEARCHER IDs

ORCID iD: https://orcid.org/0000-0003-3351-5791
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Scopus Author Identifier: 55795632100
Web of Science ResearcherID: AAF-3182-2019

EDUCATION

University of California, Los Angeles — Los Angeles, CA
Department of Molecular, Cell and Developmental Biology
Doctor of Philosophy (Ph. D.) — June, 2017
Dissertation
5-methylcytosine: from deposition to detection of the 5th base in mammalian genomes
Advisors: Matteo Pellegrini; Steven E. Jacobsen

University of Parma — Parma, Italy
Molecular Biotechnology - Master of Science — November, 2011
110/110 cum laude
Dissertation – Experimental Thesis (Sept. 2010 - Sept 2011)
DNA methylation in *Tuber melanosporum*: a symbiotic filamentous fungus with a genome rich in transposable elements
Advisors: Barbara Montanini; Simone Ottonello

University of Parma — Parma, Italy
Biotechnology - Bachelor of Science — October, 2009
110/110 cum laude
Dissertation – Experimental Thesis (March 2009 - Sept. 2009)
Validation of genome-wide protein-protein interactions using yeast two-hybrid technology in the symbiotic ascomycetes *Tuber melanosporum*
Advisors: Barbara Montanini; Simone Ottonello

AWARDS

University of California, Los Angeles Institute for Quantitative and Computational Biosciences – The Collaboratory Fellowship	2017 - 2021
Illumina UNGC Pilot Grant – Targeted DNA Methylation, **Principal Investigator**	Jan 2017
University of California, Los Angeles Dissertation Year Fellowship	2016-2017
University of California, Los Angeles Molecular Biology Institute - Philip Whitcome Fellowship	2014-2015 and 2015-2016
University of California, Los Angeles - UCLA Clinical and Translational Science Institute. Core CTSI Award (10'000$), **Co-investigator**	Oct 2020
Ministero della Università e della Ricerca – PRIN 2022 Principal Investigator of Research Unit Coordinator: SORRENTINO Giovanni	2023-2025

TEACHING EXPERIENCE

University of Parma Department of Chemistry, Life Sciences and Environmental Sustainability "Eukaryotic Gene Regulation" – 6 CFU (BIO/11) A.A. 2021/2022; 2022/2023; CdLM Genomic, Molecular, and Industrial Biotechnologies	Oct 2021-Present
University of California, Los Angeles Institute for Quantitative and Computational Biosciences – The Collaboratory Instructor – Workshop 16: Library Preparation for Next-Generation Sequencing Co-instructor – Workshop 2: Using NGS Analysis Tools	2017 – 2021
University of California, Los Angeles Department of Molecular, Cell and Developmental Biology Guest Lecturer – Biochemistry of Library Preparation for Next Generation-Sequencing – Research Immersion Laboratory in Genomic Biology (187AL)	2015 – 2021
University of California, Los Angeles Department of Molecular, Cell and Developmental Biology Teaching Assistant – 187AL – Research Immersion Laboratory in Genomic Biology	2015
University of California, Los Angeles Department of Molecular, Cell and Developmental Biology Teaching Assistant – 104AL – Laboratory in Developmental Biology	2013

STUDENTS SUPERVISED

- Borgognone Alessandra, Graduate Student, Public University of Navarre, Spain
- Cantarella Simona, Graduate Student, University of Parma, Italy
- Obusan Matthew, Undergraduate Researcher, University of California, Los Angeles, U. S.
- Dos Santos Patrick, Master Student, University of São Paulo, Brazil
- Rosenbloom Ashton, Undergraduate Researcher, University of California, Berkeley, U. S.
- Horrillo Abraham, Undergraduate Researcher, University of California, Los Angeles, U. S.
- Francesca Vivalda, Master Student, University of La Sapienza, Italy
- Serena Facchetti, Undergraduate Student, University of Parma, Italy
- Silvia Nigro, Master Student, University of Parma, Italy
- Barbara Rizzo, Master Student, University of Parma, Italy
- Valeria Destro, Master Student, University of Parma, Italy

RESEARCH EXPERIENCE

Junior Assistant Professor (RTD-A)

September 2021 – Present

University of Parma

Parma, Italy

Department of Chemistry, Life Sciences and Environmental Sustainability

Postdoctoral Scholar

University of California, Los Angeles

July 2017 – August 2021

Department of Molecular, Cell and Developmental Biology

Los Angeles, CA

Development of methods to detect DNA methylation levels in biological fluids (blood, plasma, saliva, stool, CSF…) for disease prediction using Next Generation Sequencing and Oxford Nanopore Sequencing.

Institute for Quantitative and Computational Biosciences – The Collaboratory

- Instructor: Workshop Introduction to Library Preparation for Next-Generation Sequencing (NGS)
- Co-Instructor: Using NGS Analysis Tools; Intro to Unix
- NGS Experiment Design and Library Preparation - collaborative projects

e-mail: mmorselli@g.ucla.edu

Graduate Student Researcher

University of California, Los Angeles

September 2012 – June 2017

Department of Molecular, Cell and Developmental Biology

Study of the molecular mechanisms between chromatin and DNA methylation. Supervisors: Steven E. Jacobsen; Matteo Pellegrini

Los Angeles, CA

Staff Research Associate

University of California, Los Angeles

anuary 2012 – September, 2012

Department of Molecular, Cell and Developmental Biology

Improvement of the Reduced Representation Bisulfite Treatment technique for the detection of DNA methylation in large-scale projects. Supervisors: Liudmilla Rubbi; Matteo Pellegrini

Los Angeles, CA

M.Sc. Thesis

University of Parma — September 2010 – November 2011
Department of Biosciences — Parma, Italy
Characterization of the epigenome of *Tuber melanosporum*
Supervisors: Montanini Barbara; Ottonello Simone

B.Sc. Thesis
University of Parma — March 2009 – October 2009
Department of Biosciences — Parma, Italy
High-throughput screening of protein-protein interactions in *Tuber melanosporum* (Yeast 2 Hybrid)
Supervisors: Montanini Barbara; Ottonello Simone

PRESENTATIONS

Oral Presentation (**invited speaker**)	**Morselli M.**, New –omics Technologies. XIII CONGRESSO NAZIONALE IGIBD. December 1st, 2022. Riccione, Italy.
Live Webinar (**invited speaker**)	Sample to Success: How Quality Control Affects your NGS workflow. Vierling Elisa, MSc (Agilent Technologies) **Morselli Marco**, PhD (University of California, Los Angeles) October 7th, 2020 - Link to the recording: https://agilenteseminar.webex.com/agilenteseminar/lsr.php?RCID=7a6caee2022b4fc3a406c7642a61c1f9
Seminar (**invited speaker**)	Kevin Petti, Nadia Carlesso, Giorgia del Vecchio, **Marco Morselli**, Andrea Sandri, Alice Soragni, Marco Giovannini. Italian Research Day: Individualized Cancer Therapy in the Age of Precision Medicine. 2019 Italian Cultural Institute and the Consulate General of Italy in Los Angeles, Los Angeles, CA
Seminar	**Morselli Marco**, Bisulfite RNA-seq: Detection and Analysis of 5-methyl Cytosine in polyA-RNA. 2018 QCBio Research Seminar, Los Angeles, CA, United States
Oral Presentation (**invited speaker**)	**Morselli M.** *et al.*, Bisulfite RNA-seq: Detection and analysis of 5-methyl cytosine in polyA-RNA with next generation sequencing. 2018 Keystone Symposium on DNA and RNA Methylation. Vancouver, BC, Canada
Poster Presentation	**Morselli M.** *et al.*, Bisulfite RNA-seq: Detection and analysis of 5-methyl cytosine in polyA-RNA with next generation sequencing. 2018 Keystone Symposium on DNA and RNA Methylation. Vancouver, BC, Canada
Poster Presentation	**Morselli M.** *et al.*, Chromatin features guiding the activity of mammalian DNMT3b. UCLA 2016 Molecular Biology Institute Annual Retreat, Lake Arrowhead, CA, United States
Poster Presentation	**Morselli M.** *et al.*, *In vivo* targeting of de novo DNA methylation by histone modifications in yeast and mouse. UCLA 2015 Molecular Biology Institute Annual Retreat, Los Angeles, CA, United States

Poster Presentation **Morselli M.** *et al.*, Determining chromatin features affecting the activity of mammalian DNMT3B. Cold Spring Harbor Laboratory 2014 Epigenetics and Chromatin Meeting, Cold Spring Harbor, NY, United States

Poster Presentation Chen P.Y.*, Montanini B., Rubbi L., **Morselli M.*** *et al.*, Transposon methylation in *Tuber melanosporum* (truffle) and gene expression. International Plant & Animal Genome Conference XX (2012), San Diego, CA, United States ***These authors were co-presenters***

PEER-REVIEW ACTIVITY

· PNAS
· Genome Biology
· Nature Communications
· Molecular Plant
· Briefings in Functional Genomics
· Epigenetics and Chromatin
· PLOS ONE
· Frontiers in Bioinformatics
· Frontiers in Genetics
· STAR Protocols
· International Journal of Molecular Sciences
· Cells
· BMC Medical Genomics
· BMC Research Notes
· Journal of Clinical Medicine
· Medical Science Monitor
· World journal of Surgical Oncology

ADDITIONAL ACTIVITIES

UCLA Virtual Undergraduate Research Week, May 2021
· Posters/Presentations: Judge
· Medical Research Live Session: Moderator

UCLA Virtual Undergraduate Research Week, May 2020
· Posters/Presentations: Judge
· Medical Research Live Session: Moderator

Patent: "METHODS CONCERNING ONGOING TREATMENT OF CANCER".
International Patent Application No. PCT/US2020/033150;
U.S. Provisional Patent Application No. 62/848,494;
Applicant: The Regents of the University of California and United States Government Represented by the Department Of Veterans Affairs
Inventors: Tosevska A.; Pellegrini M.; Wang M.; Eri S.; **Morselli M.**

Visiting Scholar - USCS Human Paleogenomics Lab
University of California, Santa Cruz.
January 3-5, 2018, and February 6-8, 2018; Santa Cruz, CA, USA.

Scientific Publications

Preprints

1. Nadel B.B., Cokus S.J., **Morselli M.**, Marinelli L.J., Lopez D., Modlin R.L., Distefano J., Pellegrini M.. A Novel Uropathogenic Escherichia Coli Genome (strain D3) and Comparative Analysis with Other Uropathogenic and Nonpathogenic Strains.

2. Cheng C., Su T., **Morselli M.**, Kurdistani S.K.. Histone demethylation and c-MYC activation enhance translational capacity in response to amino acid restriction.

Publications in peer-reviewed international journals

Total number of publications: 61
H-index: 20
Total number of citations: 1483

Up-to-date list of publications (PubMed): https://www.ncbi.nlm.nih.gov/myncbi/1Li7anePmjOMCC/bibliography/public/

1. Moore TM, Lee S, Olsen T, **Morselli M**, Strumwasser AR, Lin AJ, Zhou Z, Abrishami A, Garcia SM, Bribiesca J, Cory K, Whitney K, Ho T, Ho T, Lee JL, Rucker DH, Nguyen CQA, Anand ATS, Yackly A, Mendoza LQ, Leyva BK, Aliman C, Artiga DJ, Meng Y, Charugundla S, Pan C, Jedian V, Seldin MM, Ahn IS, Diamante G, Blencowe M, Yang X, Mouisel E, Pellegrini M, Turcotte LP, Birkeland KI, Norheim F, Drevon CA, Lusis AJ, Hevener AL. Conserved multi-tissue transcriptomic adaptations to exercise training in humans and mice. (2023) Cell Rep.;42(5):112499. doi: 10.1016/j.celrep.2023.112499. Epub 2023 May 12. PMID: 37178122.

2. **Morselli M**, Bennett R, Shaidani NI, Horb M, Peshkin L, Pellegrini M. Age-associated DNA methylation changes in Xenopus frogs. (2023) Epigenetics. 18(1):2201517. doi: 10.1080/15592294.2023.2201517. PMID: 37092296; PMCID: PMC10128463.

3. Montali I, Ceccatelli Berti C, **Morselli M**, Acerbi G, Barili V, Pedrazzi G, Montanini B, Boni C, Alfieri A, Pesci M, Loglio A, Degasperi E, Borghi M, Perbellini R, Penna A, Laccabue D, Rossi M, Vecchi A, Tiezzi C, Reverberi V, Boarini C, Abbati G, Massari M, Lampertico P, Missale G, Ferrari C, Fisicaro P. Deregulated intracellular pathways define novel molecular targets for HBV-specific CD8 T cell reconstitution in chronic hepatitis B. (2023) J Hepatol. 79(1):50-60. doi: 10.1016/j.jhep.2023.02.035. Epub 2023 Mar 7. PMID: 36893853.

4. Vezzoli M, de Llobet Cucalon LI, Di Vona C, **Morselli M**, Montanini B, de la Luna S, Teichmann M, Dieci G, Ferrari R. TFIIIC as a Potential Epigenetic Modulator of Histone Acetylation in Human Stem Cells. (2023) Int J Mol Sci. 24(4):3624. doi: 10.3390/ijms24043624. PMID: 36835038; PMCID: PMC9961906.

5. Li T, **Morselli M**, Su T, Million M, Larauche M, Pellegrini M, Taché Y, Yuan PQ. Comparative transcriptomics reveals highly conserved regional programs between porcine and human colonic enteric nervous system. (2023) Commun Biol. 6(1):98. doi: 10.1038/s42003-023-04478-x. PMID: 36693960; PMCID: PMC9872754.

6. Dover M, Moseley T, Biskaduros A, Paulchakrabarti M, Hwang SH, Hammock B, Choudhury B, Kaczor-Urbanowicz KE, Urbanowicz A, **Morselli M,** Dang J, Pellegrini M, Paul K, Bentolila LA, Fiala M. Polyunsaturated Fatty Acids Mend Macrophage Transcriptome, Glycome, and Phenotype in the Patients with Neurodegenerative Diseases, Including Alzheimer's Disease. (2023) J Alzheimers Dis. 91(1):245-261. DOI: 10.3233/JAD-220764. PUBMED ID: 36373322.

7. Lefaudeux D, Sen S, Jiang K, Hoffmann A; **UCLA Ribonomics Group**. Kinetics of mRNA nuclear export regulate innate immune response gene expression. (2022) Nat Commun. 13(1):7197. DOI: 10.1038/s41467-022-34635-5. PUBMED ID: 36424375

8. Turba R, Richmond JQ, Fitz-Gibbon S, **Morselli M**, Fisher RN, Swift CC, Ruiz-Campos G, Backlin AR, Dellith C, Jacobs DK. Genetic structure and historic demography of endangered unarmoured threespine stickleback at southern latitudes signals a potential new management approach. (2022) Mol Ecol. 31(24):6515-6530. doi: 10.1111/mec.16722. PUBMED ID: 36205603.

9. Rangan P, Lobo F, Parrella E, Rochette N, **Morselli M**, Stephen TL, Cremonini AL, Tagliafico L, Persia A, Caffa I, Monacelli F, Odetti P, Bonfiglio T, Nencioni A, Pigliautile M, Boccardi V, Mecocci P, Pike CJ, Cohen P, LaDu MJ, Pellegrini M, Xia K, Tran K, Ann B, Chowdhury D, Longo VD. Fasting-mimicking diet cycles reduce neuroinflammation to attenuate cognitive decline in Alzheimer's models. (2022) Cell Rep. 40(13):111417. doi: 10.1016/j.celrep.2022.111417. PUBMED ID: 36170815.

10. Cheng J*, **Morselli M***, Huang WL, Heo YJ, Pinheiro-Ferreira T, Li F, Wei F, Chia D, Kim Y, He HJ, Cole KD, Su WC, Pellegrini M, Wong DTW. Plasma contains ultrashort single-stranded DNA in addition to nucleosomal cell-free DNA. (2022) iScience 25(7):104554. doi: 10.1016/j.isci.2022.104554. PUBMED ID: 35800774. ***These authors contributed equally to this work***

11. Fischer MA, Mahajan A, Cabaj M, Kimball TH, **Morselli M**, Soehalim E, Chapski DJ, Montoya D, Farrell CP, Scovotti J, Bueno CT, Mimila NA, Shemin RJ, Elashoff D, Pellegrini M, Monte E, Vondriska TM. DNA Methylation-Based Prediction of Post-operative Atrial Fibrillation. (2022) Front Cardiovasc Med. 9:837725. doi: 10.3389/fcvm.2022.837725 PUBMED ID: 35620521.

12. Tosevska A, **Morselli M**, Basak SK, Avila L, Mehta P, Wang MB, Srivatsan ES, Pellegrini M. Cell-Free RNA as a Novel Biomarker for Response to Therapy in Head & Neck Cancer (2022) Front Oncol. 12:869108. doi: 10.3389/fonc.2022.869108 PUBMED ID: 35600369.

13. Tejeda-Muñoz N, **Morselli M**, Moriyama Y, Sheladiya P, Pellegrini M, De Robertis EM. Canonical Wnt signaling induces focal adhesion and Integrin beta-1 endocytosis. (2022) iScience. 25(4):104123. doi: 10.1016/j.isci.2022.104123 PUBMED ID: 35402867.

14. **Morselli M**, Farrell C, Montoya D, Gören T, Sabırlı R, Türkçüer İ, Kurt Ö, Köseler A, Pellegrini M. DNA methylation profiles in pneumonia patients reflect changes in cell types and pneumonia severity. (2022) Epigenetics. 17(12):1646-1660. doi: 10.1080/15592294.2022.2051862. PUBMED ID: 35311624

15. **Morselli M**, Dieci G. Epigenetic regulation of human non-coding RNA gene transcription. (2022) Biochem Soc Trans. 50(2):723-736. doi: 10.1042/BST20210860. PUBMED ID: 35285478.

16. de Llobet Cucalon L, Di Vona C, Morselli M, Vezzoli M, Montanini B, Teichmann M, de la Luna S, Ferrari R. An RNA Polymerase III General Transcription Factor Engages in Cell Type-Specific Chromatin Looping. (2022) Int J Mol Sci. 23(4):2260. doi: 10.3390/ijms23042260. PUBMED ID: 35216376

17. Arneson, A., Haghani, A., Thompson, M., Pellegrini, M., Kwon, S.B., Vu, H., Maciejewski, E., Yao, M., Li, C., Lu, A., **Morselli, M.,** Rubbi, L., Barnes, B., Hansen, K., Zhou, W., Breeze, C., Ernst, J. and Horvath, S. A mammalian methylation array for profiling methylation levels at conserved sequences (2022) Nature Communications. 13(1):783. doi: 10.1038/s41467-022-28355-z. PUBMED ID: 35145108.

18. Minteer, C., **Morselli, M.,** Meer, M., Cao, J., Higgins-Chen, A., Lang, S.M., Pellegrini, M., Yan, Q. and Levine, M.E. Tick tock, tick tock: Mouse culture and tissue aging captured by an epigenetic clock (2022) Aging Cell, 21(2):e13553. DOI: 10.1111/acel.13553. PUBMED ID: 35104377

19. Krawczyk, M.C., Haney, J.R., Pan, L., Caneda, C., Khankan, R.R., Reyes, S.D., Chang, J.W., **Morselli, M.,** Vinters, H.V., Wang, A.C., Cobos, I., Gandal, M.J., Bergsneider, M., Kim, W., Liau, L.M., Yong, W., Jalali, A., Deneen, B., Grant, G.A., Mathern, G.W., Fallah, A. and Zhang Y. Human Astrocytes Exhibit Tumor Microenvironment-, Age-, and Sex-Related Transcriptomic Signatures (2022) Journal of Neuroscience, JN-RM-0407-21; DOI: https://doi.org/10.1523/JNEUROSCI.0407-21.2021 PUBMED ID: 34987109

20. Chapski, D.J., Cabaj, M., **Morselli, M.,** Mason, R.J., Soehalim, E., Ren, S., Pellegrini, M., Wang, Y., Vondriska, T.M., Rosa-Garrido, M. Early adaptive chromatin remodeling events precede pathologic phenotypes and are reinforced in the failing heart (2021) Journal of Molecular and Cellular Cardiology, 160, pp. 73-86. DOI: 10.1016/j.yjmcc.2021.07.002 PUBMED ID: 34273410

21. Chang, Y.-L., Rossetti, M., Gjertson, D.W., Rubbi, L., Thompson, M., Montoya, D.J., **Morselli, M.**, Ruffin, F., Hoffmann, A., Pellegrini, M., Fowler, V.G., Jr., Yeaman, M.R., Reed, E.F., MRSA Systems Immunology Group Human DNA methylation signatures differentiate persistent from resolving MRSA bacteremia (2021) Proceedings of the National Academy of Sciences of the United States of America, 118 (10), art. no. e2000663118. DOI: 10.1073/pnas.2000663118 PUBMED ID: 33649198

22. **Morselli, M.,** Farrell, C., Rubbi, L., Fehling, H.L., Henkhaus, R., Pellegrini, M. Targeted bisulfite sequencing for biomarker discovery (2021) Methods, 187, pp. 13-27. DOI: 10.1016/j.ymeth.2020.07.006 PUBMED ID: 32755621

23. Li, S., Ma, F., Yokota, T., Garcia, G., Jr., Palermo, A., Wang, Y., Farrell, C., Wang, Y.-C., Wu, R., Zhou, Z., Pan, C., **Morselli, M.,** Teitell, M.A., Ryazantsev, S., Fishbein, G.A., ten Hoeve, J., Arboleda, V.A., Bloom, J., Dillon, B., Pellegrini, M., Lusis, A.J., Graeber, T.G., Arumugaswami, V., Deb, A. Metabolic reprogramming and epigenetic changes of vital organs in SARS-CoV-2–induced systemic toxicity (2021) JCI Insight, 6 (2), art. no. e145027. DOI: 10.1172/jci.insight.145027 PUBMED ID: 3328413

24. Agak, G.W., Mouton, A., Teles, R.M.B., Weston, T., **Morselli, M.,** Andrade, P.R., Pellegrini, M., Modlin, R.L. Extracellular traps released by antimicrobial TH17 cells contribute to host defense (2021) Journal of Clinical Investigation, 131 (2), art. no. e141594. DOI: 10.1172/JCI141594 PUBMED ID: 33211671

- ***Journal Cover***
- ***Commentary:*** J Clin Invest. (2021),131(2):e145379. Thiboutot D.M., Nelson A.M.

25. Han, J., Tam, K., Ma, F., Tam, C., Aleshe, B., Wang, X., Quintos, J.P., **Morselli, M.,** Pellegrini, M., Hollis, R.P., Kohn, D.B. β-Globin Lentiviral Vectors Have Reduced Titers due to Incomplete Vector RNA Genomes and Lowered Virion Production (2021) Stem Cell Reports, 16 (1), pp. 198-211. DOI: 10.1016/j.stemcr.2020.10.007 PUBMED ID: 33186538

26. Del Vecchio, G., Li, Q., Li, W., Thamotharan, S., Tosevska, A., **Morselli, M.,** Sung, K., Janzen, C., Zhou, X., Pellegrini, M., Devaskar, S.U. Cell-free DNA Methylation and Transcriptomic Signature Prediction of Pregnancies with Adverse Outcomes (2021) Epigenetics, 16 (6), pp. 642-661. DOI: 10.1080/15592294.2020.1816774 PUBMED ID: 33045922

27. Veena, M.S., Raychaudhuri, S., Basak, S.K., Venkatesan, N., Kumar, P., Biswas, R., Chakrabarti, R., Lu, J., Su, T., Gallagher-Jones, M., **Morselli, M.,** Fu, H., Pellegrini, M., Goldstein, T., Aladjem, M.I., Rettig, M.B., Wilczynski, S.P., Shin, D.S., Srivatsan, E.S. Dysregulation of hsa-miR-34a and hsa-miR-449a leads to overexpression of PACS-1 and loss of DNA damage response (DDR) in cervical cancer (2020) Journal of Biological Chemistry, 295 (50), pp. 17169-17186. DOI: 10.1074/jbc.RA120.014048 PUBMED ID: 33028635

28. Leung, K.L., Sanchita, S., Pham, C.T., Davis, B.A., Okhovat, M., Ding, X., Dumesic, P., Grogan, T.R., Williams, K.J., **Morselli, M.,** Ma, F., Carbone, L., Li, X., Pellegrini, M., Dumesic, D.A., Chazenbalk, G.D. Dynamic changes in chromatin accessibility, altered adipogenic gene expression, and total versus de novo fatty acid synthesis in subcutaneous adipose stem cells of normal-weight polycystic ovary syndrome (PCOS) women during adipogenesis: evidence of cellular programming (2020) Clinical Epigenetics, 12 (1), art. no. 181. DOI: 10.1186/s13148-020-00970-x PUBMED ID: 33228780

29. Frausto, R.F., Swamy, V.S., Peh, G.S.L., Boere, P.M., Hanser, E.M., Chung, D.D., George, B.L., **Morselli, M.,** Kao, L., Azimov, R., Wu, J., Pellegrini, M., Kurtz, I., Mehta, J.S., Aldave, A.J. Phenotypic and functional characterization of corneal endothelial cells during in vitro expansion (2020) Scientific Reports, 10 (1), art. no. 7402. DOI: 10.1038/s41598-020-64311-x PUBMED ID: 32366916

30. Nowicki, T.S., Farrell, C., **Morselli, M.,** Rubbi, L., Campbell, K.M., Macabali, M.H., Berent-Maoz, B., Comin-Anduix, B., Pellegrini, M., Ribas, A. Epigenetic suppression of transgenic T-cell receptor expression via gamma-retroviral vector methylation in adoptive cell transfer therapy (2020) Cancer Discovery, 10 (11), pp. 1645-1653. DOI: 10.1158/2159-8290.CD-20-0300 PUBMED ID: 32699033

31. Ma, Q.-L., Zhu, C., **Morselli, M.,** Su, T., Pelligrini, M., Lu, Z., Jones, M., Denver, P., Castro, D., Gu, X., Relampagos, F., Caoili, K., Teter, B., Frautschy, S.A., Cole, G.M. The Novel Omega-6 Fatty Acid Docosapentaenoic Acid Positively Modulates Brain Innate Immune Response for Resolving Neuroinflammation at Early and Late Stages of Humanized APOE-Based Alzheimer's Disease Models (2020) Frontiers in Immunology, 11, art. no. 558036. DOI: 10.3389/fimmu.2020.558036 PUBMED ID: 33178186

32. Neal, A.S., Nunez, M., Lai, T., Tosevska, A., **Morselli, M.,** Amneus, M., Zakhour, M., Moatamed, N.A., Pellegrini, M., Memarzadeh, S. Expression of Stromal Progesterone Receptor and Differential Methylation Patterns in the Endometrium May Correlate with Response to Progesterone Therapy in Endometrial Complex Atypical Hyperplasia (2020) Reproductive Sciences, 27 (9), pp. 1778-1790. DOI: 10.1007/s43032-020-00175-w PUBMED ID: 32124398

33. Lau, Y.C.C., Ding, J.A., Simental, A., Mirzoyan, H., Lee, W., Diamante, G., Cely, I., Tran, M., **Morselli, M.,** Dang, J., Kaczor-Urbanowicz, K.E., Sayre, J., Stiles, L., Yang, X., Pellegrini, M., Fiala, M. Omega-3 fatty acids increase OXPHOS energy for immune therapy of Alzheimer disease patients (2020) FASEB Journal, 34 (8), pp. 9982-9994. DOI: 10.1096/fj.202000669RR PUBMED ID: 32614485

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consapevole che le dichiarazioni false comportano l'applicazione delle sanzioni penali previste dall'art. 76 del D.P.R. 445/2000, dichiara che le informazioni riportate nel seguente curriculum vitae corrispondono a verità.

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