

Chianese Rosanna

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Current position

Associate Professor; address via Costantinopoli 16, 80138 Napoli; phone number. 081-5667528; 339184197; email: rosanna.chianese@unicampania.it

Education

PhD in Comparative Endocrinology, at the University of Padua

Degree in Biological Science (final Mark 110/110 “cum laude”), at the University of Naples Federico II.

Professional Appointments/Previous Positions

2011-2021: University Researcher at the University of Campania Luigi Vanvitelli, ssd BIOS-10A. 2009-2011: Research Activity on the molecular mechanisms driving mesothelioma onset. 2006: Research Activity on the molecular pathways involved in the traffic of the cannabinoid receptor type I at the University of Washington, collaborating with Prof. K. Mackie. From 2019 to today: Board Member for the PhD in Biochemical and Biotechnological Sciences at the University of Campania Luigi Vanvitelli. Teaching activities in the Erasmus Programme at University of Seville (2020), University of Lyon (2022), University of Murcia (2023), University of Coimbra (2024), University of Barcelona (2025). 2023-2026: Component of the Departmental Quality Assessment Team. 2018-2021: Representative of the Researchers in the Departmental Board. Editorial experience for several books and special issues. Author for Edises in the Book “Foundations of Biology and Genetics”.

Grants

Direction/Participation in the following Research Projects: Prin 2003. Prin 2004. Prin 2005. Prin 2008. Ricerca di Ateneo 2005. Legge 5 del 2006. PRIN-MIUR 2010-2011. Progetto PON01-01227. Progetto POR CAMPANIA FESR 2007-2013. Progetto PON03PE_00060_7. Progetto PON03PE_00060_8. Convenzione ASL CE/SUN (delibera n. 1353 del 27.10.2017). PRIN-MIUR 2017. Grant di Ateneo nell'ambito del Programma VALERE (VANviteLli pEr la RicErca). Bando Ricerca di Ateneo 2020. INTEGRATORI INNOVATIVI PER L'INFIAMMAZIONE – InCube. Convenzione ASL CE/SUN. PRIN-MIUR 2022. Grant di Ateneo per Giovani Ricercatori 2023. Accordo ASI (Agenzia Spaziale Italiana) - Sapienza n. 2023-43-HH.0. Grant di Ateneo per Giovani Ricercatori 2024.

Awards and Honors

2014. Selection of the paper “Chianese et al 2013, Biol Reprod 88: 73” from the Scientific Committee of the 15th Royan International Research Award as a possible candidate for the annual prize for excellence in the field of Reproductive Biomedicine, Reproductive Health and Stem Cell Biology and Technology.

Invited talks

24th Conference of European Comparative Endocrinologists, 2008. 25th Conference of European Comparative Endocrinologists, 2010. 19th European Testis Workshop, 2016. 20th European Testis Workshop, 2018. Global Endocrinology & Metabolism Conference, 2020. Von Behring-Röntgen-Symposium

2022 "The Epididymis", 2022 for a lecture. 22nd European Testis Workshop, 2023. XIII Congresso AIBG, 2011. XVII Congresso AIBG, 2016. XVIII Congresso AIBG, 2018. XXI Congresso AIBG, 2023.

Publications

Total number: 57. H-index: 26

1) Mele VG, Chioccarelli T, Diano N, Cappetta D, Ferraro B, Telesca M, Moggio M, Porreca V, De Angelis A, Berrino L, Fasano S, Cobellis G, **Chianese R*(*corresponding author)**, Manfredola F. (2024). Variation of sperm quality and circular RNA content in men exposed to environmental contamination with heavy metals in "Land of Fires", Italy. *Human Reprod* 39: 1628-1644.

2) Martinez G, Cappetta D, Telesca ML, Urbanek K, Castaldo G, Dhellemmes M, Mele VG, Chioccarelli T, Porreca V, Barbotin AL, Boursier A, Guillou F, Coutton C, Brouillet S, De Angelis A, Berrino L, Pierantoni R, Cobellis G, **Chianese R*(*corresponding author)**, Manfredola F. (2023). Cytochalasin D restores nuclear size acting on F-actin and IZUMO1 localization in low-quality spermatozoa. *Int J Biol Sci* 19: 2234-2255

3) Manfredola F, Potenza N, Chioccarelli T, Di Palo A, Siniscalchi C, Porreca V, Scialla A, Mele VG, Petit G, Russo A, Lanni A, Senese R, Ricci G, Pierantoni R, **Chianese R*(*corresponding author)**, Cobellis G. (2022) Actin remodeling driven by circLIMA1: sperm cell as an intriguing cellular model. *Int J Biol Sci* 18: 5136-5153

4) Chioccarelli T, Falco G, Cappetta D, De Angelis A, Roberto L, Addeo M, Ragusa M, Barbagallo D, Berrino L, Purrello M, Ambrosino C, Cobellis G, Pierantoni R, **Chianese R*(*corresponding author)**, Manfredola F. (2021) FUS driven circCNOT6L biogenesis in mouse and human spermatozoa supports zygote development. *Cell Mol Life Sci* 79: 50

5) Manfredola F, Martinez G, Coutton C, Rocco D, Reynaud K, Le Vern Y, Froment P, Beauclair L, Aubert D, Pierantoni R, **Chianese R*(*corresponding author)**, Guillou F. (2021) Ankrd31 in Sperm and Epididymal Integrity. *Front Cell Dev Biol*. 9: 741975

Research Interests and major collaborations

Modulators of germ cell progression. Sperm quality control. Evaluation of sperm quality from a morphological, molecular and epigenetic point of view. CircRNA involvement in sperm quality in infertility and obesity conditions. Environmental control of the sperm epigenetic signature.

Major Collaborations: prof. Andrea Viggiano, University of Salerno; prof. Giovanna Berruti, University of Milano; prof. Concetta Ambrosino, University of Sannio; prof. Orlana Carnevali, University of Marche, Ancona; dr. Florian Guillou, Centre de Recherche de Tours, INRA; prof. Chiara Donati, University of Firenze; dr. Renata Tavares, University of Coimbra; dr. Luz Cadenas de Luján, Instituto de Investigaciones Químicas, Sevilla, Spain; prof. Paola Piomboni, University of Siena; dr. Guillaume Martinez, Hôpital Couple-Enfant, Centre Hospitalier Universitaire de Grenoble; dr. Karine Reynaud, CNRS, IFCE, INRAE, Université de Tours Nouzilly; dr. Denise Aubert, Université de Lyon; prof. Manuel Fernandez Sanchez, Universidad de Sevilla; prof. Geppino Falco, University of Napoli Federico II; prof. Marco Ragusa, University of Catania.