

Daniela Leronni, Ph.D.
Staff Scientist

Dr. Leronni is a Staff Scientist at Spherix Consulting Group. Her areas of expertise comprise molecular and cellular biology, mitochondria dysfunction in neurodegenerative diseases, and viral vectors gene therapy.

A native of Italy, Dr. Leronni pursued her education in Biology at the Università Aldo Moro in Bari, Italy. She obtained a government funded fellowship for her doctorate in Genetics and Molecular Evolutions to study retrotransposons in *Drosophila melanogaster* (fruit fly) and their regulatory potential in gene therapy. During her doctorate, Dr. Leronni spent one year at the Harvard University Medical School, where she contributed to the discovery of mitochondria's segregated modulation cascade. Moved by her interest in gene therapy, she completed her post-doctoral training at the University of Pittsburgh, in the Department of Microbiology and Molecular Genetics, where she gained expertise in Herpes simplex Virus (HSV)-based oncolytic vectors bioengineering. Because of her unique set of skills, she was recruited by the Department of Neurological Surgery, where she served as faculty, in the role of Research Instructor. She led two projects: one aimed at the development of HSV-based vectors for the treatment of the neurodegenerative disease of Huntington, and the second investigating mitochondria dysfunction in neurodegenerative diseases and mitochondria signal transduction. In addition to her prominent role in research, she fulfilled the roles of principal investigator of several internally funded grants, and mentor of undergraduate and graduate students at the School of Medicine.

Dr. Leronni's responsibilities at Spherix Consulting Group include reviewing, critically evaluating, and summarizing scientific literature; analyzing scientific data; and writing reports for regulatory submissions. She also prepares health risk assessment and regulatory compliance dossiers for Generally Recognized As Safe (GRAS) dossiers, New Dietary Ingredients Notifications (NDIN), Novel Food Submissions, Investigational New Drug Applications (IND), and New Drug Applications (NDA). Like the other members of the team, Dr. Leronni is committed to providing our clients with scientific guidance and scientific rigor to succeed in the regulatory process.



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Expertise

*Molecular and Cell
Biology*

Mitochondria Biology

*Viral Vector
Bioengineering*

Gene Therapy

*Neurodegenerative
Diseases*

Credentials

*B.S., Biology, Università
Aldo Moro, Bari, Italy*

*M.S., Molecular Biology,
Università Aldo Moro, Bari,
Italy*

*Ph.D., Genetics and
Molecular Evolution,
Università Aldo Moro, Bari,
Italy*

*Post-Doc Fellow,
Microbiology and Molecular
Genetics, University of
Pittsburgh*