



Dr. Beatrice Di Marco is a PhD student of the Regional Doctorate School in Neuroscience at the University of Florence, currently carrying out her research activity at the CNR Neuroscience Institute, in Pisa, under the scientific responsibility of Dr. Enrica Strettoi. The focus of Dr. Di Marco research is to understand the role of inflammation in the pathogenesis of inherited photoreceptor degenerations, particularly bringing to light the role of the retinal pigment epithelium. She uses preclinical rodent models, as well as cell cultures, as experimental tools. Some of these models will be used in radiation experiments as well, to assess DNA damage and oxidative stress.

EXPERIENCE AND TRAINING

April 2020: Master Degree cum laude in Cellular and Molecular Biotechnology, University of L'Aquila

January 2021- October 2021: Research Fellowship at Neuroscience Institute, National Research Council (CNR), Pisa; laboratory of Dr. Enrica Strettoi;

November 2021- ongoing: PhD student of the Regional Doctorate School in Neuroscience, University of Florence. Supported by “assegno di ricerca” from the laboratory of Dr. Strettoi.

HONOURS

2020: University of L'Aquila award for excellence in curricular studies.

PUBLICATIONS

Napoli D, Biagioni M, Billeri F, Di Marco B, Orsini N, Novelli E, Strettoi E. Retinal Pigment Epithelium Remodeling in Mouse Models of Retinitis Pigmentosa. *Int J Mol Sci.* 2021 May 20;22(10):5381.

Strettoi E, Di Marco B, Orsini N, Napoli D. Retinal plasticity (submitted for publication).