

Guilia Monticone
Postdoctoral Researcher

Education

Università del Piemonte Orientale (Italy)	BS	2011	Biotechnology
Università degli Studi di Pavia (Italy)	MS	2013	Molecular Biology and Genetics
The University of Manchester (UK)	PhD	2018	Developmental biology

Dr. Guila Monticone is a postdoctoral researcher with the LSU LCMC Health Cancer Center. She is currently pursuing an NIH K99/R00 Pathway to Independence Award which provides an opportunity for promising postdoctoral scientists to receive both mentored and independent research support.

Dr. Monticone's research work is focused on cancer stem cell-regulatory genes such as Notch, and identification of genetic circuitry mediating Notch signals in human tumors as well as early clinical trials using genomic biomarkers as correlative endpoints and/or stratification variables.

Her research work on COVID-19 continues to show promise in treatments that target the host immune system using the adenosine-mediated immunomodulation. Adenosine is a metabolite which is produced during stress conditions and stimulates adrenergic receptors present on different immune cells. The findings obtained in this project could have a tremendous impact on the rationale for the treatment of COVID-19 and other infectious diseases.