

# ALESSIA FERRARO

Born in Pinerolo (TO), Italy  
Nationality: Italian  
Date of Birth: 22.08.1997  
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## CURRENT POSITION

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Nov 2022 – Present      *PhD student in Complex System for Quantitative Biomedicine (CSQB)*  
University of Turin, Italy  
Group Leader: Prof. Ferdinando Di Cunto

## PREVIOUS RESEARCH EXPERIENCE

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Mar 2021 – Nov 2022      *Curricular Traineeship at the Neuroscience Institute Cavalieri  
Ottolenghi NICO – Orbassano, Italy*  
Group Leader: Prof. Ferdinando Di Cunto

Sept 2018 – Mar 2019      *Curricular Traineeship at the Molecular Biotechnology Center (MBC) –  
Turin, Italy*  
Group Leader: Prof. Giacomo Donati

## EDUCATION

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Dec 2021      *Master's degree in Functional Genomics*  
University of Trieste, Italy

July 2018      *Bachelors' degree in Biology*  
University of Turin, Italy

## OTHER COURSES

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May 2020      *Data Science in Real Life*  
The Johns Hopkins University (Online)

May 2010      *Intensive course in forensic genetics*  
LegalGenetics Srl (Rome, Italy)

## PUBLICATIONS

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Iegiani G, **Ferraro A**, Pallavicini G and Di Cunto F. *The impact of TP53 activation and apoptosis in primary hereditary microcephaly*. Front. Neurosci (2023) PMID: 37457016

Pallavicini G\*, Iegiani G\*, Parolisi R, **Ferraro A**, Garello F, Bitonto V, Terreno E, Gai M and Di Cunto F. *Lestaurtinib inhibits Citron kinase activity and medulloblastoma growth through induction of DNA damage, apoptosis and cytokinesis failure*. Front. Oncol. (2023) PMID: 37404750

## GRANTS

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PhD fellowship at University of Turin (2022) | Title of the project: analysis of the molecular networks of microcephaly-related genes in high grade brain tumors | Fund: 58.000€

## CONGRESSES

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June 14-17 2023 (Turin)      Italian Society for Neuroscience (SINS) National Congress | selected for oral presentation

June 14 2023 (Turin)      PhD Student National Meeting | selected for poster presentation

June 12-15 2023 (Turin) European Association for Cancer Research (EACR) Annual Meeting | selected for poster presentation  
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## ORAL PRESENTATIONS

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June 16 2023 (Turin) SINS 2023 - "CITK catalytic activity inhibition through Lestaurtinib leads to DNA damage, cytokinesis failure and cell death in brain tumors"

## SCIENTIFIC SOCIETIES

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AACR – American Association for Cancer Research (2023)  
EACR – European Association for Cancer Research (2023)  
SINS – Italian Society for Neuroscience (2023)

## DISSEMINATION

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Feb – Oct 2023 Series of events “*Ricercatori alla spina*” at public pubs in Turin, Italy

## OTHER ACTIVITIES

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May 22-24, 2023 Member of the organization of the event “*Pint of Science*” at Public pub in Turin, Italy  
May 18-19, 2023 EMBL in Italy 2023: Chance and necessity-the indispensable role of curiosity-driven life sciences, Molecular Biotechnology Center (MBC), Turin, Italy  
Sept 21-23, 2017 Participation in the festival of scientific research "Trieste Next 2017" Trieste, Italy

## LABORATORY TECHNIQUES

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In vitro cell culture (2D cell lines, 3D spheroid models, stem cells), handling and manipulation of laboratory mice, western blots, immunofluorescence, confocal imaging, PCR, analysis of DNA damage, cell cycle and cell senescence.

## LANGUAGES

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Italian: native speaker  
English: fluent speaker

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Turin, 4 September 2023*