



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE _____4521_____

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at Dipartimento di _____ Oncologia ed Emato-Oncologia _____
Scientist- in - charge: _____ Prof. Giuseppe Testa _____

[Nicolò Caporale]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	CAPORALE
Name	NICOLÒ
Date of birth	[13, 04, 1989]

PRESENT OCCUPATION

Appointment	Structure
ASSEGNISTA DI RICERCA	ISTITUTO EUROPEO DI ONCOLOGIA

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	MEDICAL DOCTOR	BOLOGNA	2014
Specialization			
PhD	SYSTEMS MEDICINE	MILAN	2020
Master			
Degree of medical specialization			
Degree of European specialization			
Other			



FOREIGN LANGUAGES

Languages	level of knowledge
ENGLISH	C2
SPANISH	C1

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2015-2019	PhD scholarship in the Systems Medicine Program of the European School of Molecular Medicine (SEMM)
2019-2020	Postdoctoral researcher at the European Institute of Oncology

TRAINING OR RESEARCH ACTIVITY

description of activity: My research is focused on the molecular effects of endocrine disruptors (EDC) on neurodevelopment. EDC are chemical compounds that can interfere with human hormonal system and have been associated to neurodevelopmental disorders. Their molecular mechanisms of action are however still undefined so we take advantage of complementary human in vitro models, including primary neural stem cells from human fetuses, induced pluripotent stem cells and cortical brain organoids to unravel their adverse effects. In my research project I am integrating epidemiological findings and statistical modeling with molecular biology to explain the causality of EDC dependent neuropsychiatric adverse outcomes.
--

PROJECT ACTIVITY

Year	Project
2015-2019	EDC-MixRisk: The interdisciplinary and integrated research approach in EDC-MixRisk focuses on the effects of mixtures of endocrine disrupting chemicals (EDCs) on children. European Union's Horizon 2020 research and innovation programme (Grant No 634880).

CONGRESSES AND SEMINARS

Date	Title	Place
2014	Acute abdominal pain in the Emergency Department of a university hospital in Italy.	SIMEU Congress, Turin, Italy
2016	Human neurodevelopmental systems to study the molecular effects of endocrine disruptions	Chromatin and environment Summer School, Spetses, Greece
2017	From Cohorts to Molecules: Adverse Impacts of Endocrine Disrupting Mixtures.	EMBO conference, Gene regulatory mechanisms in neural fate decisions, Alicante, Spain
2018	From Cohorts to Organoids: Adverse Impacts of Endocrine Disrupting Mixtures.	EMBO Symposium Organoids: Modelling Organ Development and Disease in 3D Culture, Heidelberg, Germany
2019	De Humani Corporis Fabrica: organoid-based deconvolution of neuropsychiatric disorders at single cell resolution	1st Stem Cells and Brain Organoids Training Course and Symposium, University of Lausanne, Switzerland
2019	Capturing susceptible windows of transcriptional dysregulation during human cortical development	Single Cell Genomics Conference in Djurönäset, Stockholm, Sweden
2019	From cohorts to organoids: Endocrine disruption in human neurodevelopmental models.	17th biannual meeting of the International Neurotoxicology Association. Dusseldorf, Germany



PUBLICATIONS

Books
Caporale, N, & Testa, G. (2019). At the Intersection of Epigenetics and Regeneration: An Analysis of the Experimental Outlook of Organoid Technology. Epigenetics and Regeneration. https://doi.org/10.1016/B978-0-12-814879-2.00017-0
Articles in reviews
Caporale, Nicolò, Morselli-Labate, A. M., Nardi, E., Cogliandro, R., Cavazza, M., & Stanghellini, V. (2016). Acute abdominal pain in the emergency department of a university hospital in Italy. United European Gastroenterology Journal, 4(2), 297-304. https://doi.org/10.1177/2050640615606012
López-Tobón, A., Villa, C. E., Cheroni, C., Trattaro, S., Caporale, N., ... Testa, G. (2019). Human cortical organoids expose a differential function of GSK3 on cortical neurogenesis. Stem Cell Reports, 13(5), 847-861. https://doi.org/10.1016/j.stemcr.2019.09.005
Birgersson, L., Borbely, G., Caporale, N., Germain, P.-L., Leemans, M., ... Testa, G. From cohorts to molecules: adverse impacts of endocrine disrupting mixtures. BioRxiv. https://doi.org/10.1101/206664

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: _____MILAN_____, _____11/02/2020_____

 SIGNATURE