

# CURRICULUM VITAE



## Personal information

Name: Gaspare

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## Professional profile

Since 2012 my research focused on environmental epidemiology, with special regards to the environmental risk factors for respiratory diseases, congenital malformations and reproductive health. The main focus of my actual research is to explore exposure assessment through bio-monitoring and its integration with molecular biology data.

## Working experience

**23/07/2017 –**

Research fellowship at the Institute of Biomedicine and Molecular Immunology, National Research Council of Italy, Palermo, (IBIM – CNR) on the topic of bio-accumulation of environmental contaminants in placenta, maternal and newborn tissues and their association with placental transcriptome, pregnancy and long-term infant outcomes. Research project: “International Centre of advanced study in environment, ecosystem and human health” – CISAS.

**08/06/2015 – 22/07/2017**

Research fellowship at the IBIM-CNR and Epidemiological Observatory, Regional Health Authority of Sicily for the validation of hospital discharge records flows for the Sicilian registry of Congenital Anomalies. Research project: "Improvement of the characteristics of the monitoring system of rare diseases"

**14/01/2014 – 28/04/2015**

Research fellowship at the IBIM-CNR and Epidemiological Observatory, Regional Health Authority of Sicily for the validation of hospital discharge records flows for the Sicilian registry of Congenital Anomalies following the application of validation algorithms. Research project: "Verification of hospital discharge cards related to cases of malformed births having residence in the Sicilian Provinces"

**03/10/2013 – 02/11/2013**

Temporary employee contract at the IBIM-CNR for the acquisition and the evaluation of environmental epidemiology parameters in sites of national interest with high environmental risk. Research project: "Evaluation of health risks in the Priolo National Interest Site"

**23/10/2012 – 23/03/2013**

Temporary employee contract at the IBIM-CNR for the acquisition and evaluation of environmental epidemiological parameters during an epidemiological survey on the relationship between environment and health in school and home" Research project: “Indoor and outdoor Air quality and Respiratory Health in Malta and Sicily – (RESPIRA) – PO Italia-Malta 2007-2013

## Education

**14/12/2009**

University degree in reproductive biotechnologies LM9, graduated with honors (110/110) with a thesis titled: Isolation, culture and characterization of ovine amniotic stem cells.

## List of publications

Sensitization to dust mite defines different phenotypes of asthma: A multicenter study. S. Ruggieri; **G. Drago**; V. Longo; P. Colombo; M. Balzan; D. Bilocca; C. Zammit; S. Montefort; G. Scaccianoce; G. Cuttitta; G. Viegi and F. Cibella (2017) *Pediatr Allergy Immunol.* 2017;1–8

Pregnancy at Advanced Maternal Age Affects Behavior and Hippocampal Gene Expression in Mouse Offspring. S. Sampino; A.M. Stankiewicz; F. Zacchini; J. Goscik; A. Szostak; A.H. Swiergiel; **G. Drago**; J.A. Modlinski, and G.E. Ptak (2017) *Gerontol A Biol Sci Med Sci*, 2017, Vol. 00, No. 00, 1–9

Effect of indoor nitrogen dioxide on lung function in urban environment.

F. Cibella; G. Cuttitta; R. Della Maggiore; S. Ruggieri; S. Panunzi; A. De Gaetano; S. Bucchieri; **G. Drago**; M. R. Melis; S. La Grutta; G. Viegi (2015) *Environmental Research* 138, 8–16

Different early ER-stress responses in the CLN8mnd mouse model of neuronal ceroid lipofuscinosis. G. Galizzi; D. Russo; I. Deidda; C. Cascio; R. Passantino; R. Guarneri; P. Bigini; T. Mennini; **G. Drago**; P. Guarneri (2011) *Neuroscience Letters* 488, 258–262

17beta-Estradiol synthesis in the adult male rat retina. C. Cascio, D. Russo, **G. Drago**, G. Galizzi, R. Passantino, R. Guarneri, P. Guarneri. (2007) *Exp. Eye Res* 85:166-172.

Neurosteroids in the retina: neurodegenerative and neuroprotective agents in retinal degeneration P. Guarneri, C. Cascio, D. Russo, S. D'Agostino, **G. Drago**, G. Galizzi, G. De Leo, F. Piccoli, M. Guarneri, R. Guarneri. (2003) *Annals of the New York Academy of Sciences, Steroids and the nervous system* 1007, 117-129.

## Conferences and conventions

**G. Drago**, G. Dardanoni, S. Ruggieri, S. Scondotto, G. Fantaci, E.E. Tavormina, F. Cibella “Utilizzo di un algoritmo di selezione delle SDO per l'integrazione del Registro Regionale Malformazioni Congenite della Sicilia” XLI congresso annuale AIE Mantova, 25-27 ottobre 2017

**G. Drago**, S. Ruggieri, L. L'Abbate, S. Canepari, C. Perrino, F. Cibella “Concentrazione di PM2.5, metalli pesanti e terre rare nell'indoor domestico come markers di esposizione a fumo di sigaretta e implicazioni sulla salute respiratoria” VII Convegno Nazionale sul particolato atmosferico **Roma, 17-20 Maggio 2016**

**G. Drago**, E. Tavormina, G. Fantaci, F. Cibella, G. Dardanoni “Valutazione dell'uso delle SDO per l'integrazione del registro delle malformazioni congenite della Sicilia” XXXVIII congresso annuale AIE Milano, 27-30 ottobre 2015

**G. Drago**, M. Balzan, S. Ruggieri, D. Bilocca, C. Zammit, P. Colombo, G. Piva, G. Cuttitta, S. Bucchieri, S. Montefort, G. Viegi, F. Cibella. “10-15 years old children living in Malta are at higher risk for developing allergic respiratory diseases than those living in Southern Sicily” ERS annual congress Monaco, 6-10 settembre 2014

**G. Drago**, C. Cascio, G. Bonaccorso, D. Russo, P. Guarneri “Estrogen receptors in hAECs: Neural differentiation and stemness” XIV Congress of the Italian society of Neuroscience Catania, 19-22 Aprile 2012