

# CURRICULUM VITAE

EUROPEAN FORMAT

## PERSONAL INFORMATION

Name, Surname	<b>Francesca Gorini</b>
Highest degree	Ph. D.
Affiliation	National Research Council
Institute	Institute of Clinical Physiology – Unit of Environmental Epidemiology
Country	Italy
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Personal home page	<a href="https://www.researchgate.net/profile/Francesca_Gorini">https://www.researchgate.net/profile/Francesca_Gorini</a>
Publication (link)	<a href="https://publons.com/researcher/1511097/francesca-gorini/publications/">https://publons.com/researcher/1511097/francesca-gorini/publications/</a>

## WORK EXPERIENCE

Dates (from – to)	1 <sup>st</sup> June 2017- in progress
Name and address of employer	National Research Council, Institute Clinical Physiology, Unit of Environmental Epidemiology
Type of business or sector	Research activities
Occupation or position held	Research fellow
Main activities and responsibilities	Participation to epidemiological studies aimed at evaluating the strength of association between exposure to target pollutants (heavy metals and organic compounds) and health outcomes (e.g., liver cancer, thyroid cancer, cardiovascular diseases) through the measurement of early-risk indicators; networking work; rapporteur for workshops, meetings and conferences; literature update on epidemiological studies performed in contaminated sites; author and co-author of scientific papers; focus on the experimental and epidemiological evidence supporting the relationship between exposure to endocrine disruptors and increased risk of thyroid cancer.
Dates (from – to)	1 <sup>st</sup> November 2012-31 <sup>th</sup> October 2014
Name and address of employer	National Research Council, Institute Clinical Physiology
Type of business or sector	Research activities
Occupation or position held	Research fellow
Main activities and responsibilities	Pilot study aimed to explore the potential relationship between prenatal exposure to indoor pollutants in home environment and the onset of congenital heart disease (CHD) in children.
Dates (from – to)	1 <sup>th</sup> February 2012 - 30 <sup>th</sup> September 2012
Name and address of employer	National Research Council, Institute Clinical Physiology
Type of business or sector	Research activities

Occupation or position held	Research fellow
Main activities and responsibilities	Study of epidemiological evidence on the association between pre- and perinatal exposure to environmental pollutants and risk of development of autism spectrum disorders.
Dates (from – to)	1 <sup>st</sup> August 2010 - 31 <sup>th</sup> January 2012
Name and address of employer	National Research Council, Institute of the Ecosystem Studies
Type of business or sector	Research activities
Occupation or position held	Research fellow
Main activities and responsibilities	Research activity on the mechanisms influencing the bioavailability of Cr <sup>VI</sup> of natural origin in an Italian site. Study of bioaccessibility of Cr <sup>VI</sup> to humans.

Dates (from – to)	1 <sup>st</sup> February 2009 – 31 <sup>th</sup> January 2010
Name and address of employer	National Research Council, Institute of the Ecosystem Studies
Type of business or sector	Research activities
Occupation or position held	Contract researcher
Main activities and responsibilities	Research activity on the bioavailability of soil pollutants (heavy metals and organic compounds, and their transfer in the food chain.

## EDUCATION AND TRAINING

Dates (from – to)	1 <sup>st</sup> January 2004 – 31 <sup>th</sup> December 2006
Name and type of organisation providing education and training	University of Pisa
Principal subjects occupational skills covered	Biochemistry, Biochemical Methodologies
Title of qualification awarded	Ph.D. in Molecular Biotechnologies
Main activities and responsibilities	Research activity in the development of a purification procedure of prions from the calf brain. Characterization of the prion isoforms in several stress conditions

Dates (from – to)	November 1995 – 17 <sup>th</sup> July 2003
Name and type of organisation providing education and training	University of Pisa
Principal subjects occupational skills covered	Biochemistry, Molecular Biology, Genetics
Title of qualification awarded	Biological Sciences Degree

## RESEARCH ACTIVITIES

Research expertise	<p>Epidemiological studies in contaminated sites aimed at assessing the strength of association between exposure to target pollutants and risk for cancer and non cancerous causes through health indicators and/or measurement of early-risk biological markers.</p> <p>Endocrine disruptors as risk factors of thyroid dysfunction and thyroid carcinoma.</p> <p>Environmental and individual determinants related to the onset of congenital heart disease.</p> <p>Pre- and perinatal exposure to heavy metals and increased risk of autism spectrum disorders.</p>
Recent Scientific Activities.	<p>Scientific secretariat of epidemiological studies performed in contaminated areas.</p> <p>Author and co-author of reviews and original articles published on peer-reviewed journals</p> <p>Referee for international peer-reviewed journals (Medicine, Environmental Research, International Journal of Environmental Research and Public Health, Cancers, Journal of Clinical Medicine, Children, Toxics).</p> <p>Guest Editor in the Special Issue "<i>Environmental Pollution and Thyroid</i>" on the "International Journal of Environmental Research and Public Health" – MDPI.</p> <p>Editorial Board Member of Frontiers in Oncology – Cancer Epidemiology and Prevention.</p>
Awards	<p>Top peer-reviewer 2019 in "Clinical Medicine" and "Environment and Ecology"</p>

- **Gorini F**, Bustaffa E, Coi A, Iervasi G, Bianchi F. Bisphenols as environmental triggers of thyroid dysfunction: clues and evidence. *Thyroid*, 2019, *Under review*.
- Minichilli F, **Gorini F** (equally contributed), Bustaffa E, Cori L, Bianchi F. Mortality and hospitalization associated to emissions of a coal power plant: a population-based cohort study. *Sci Total Environ.*, 2019 ; 694C,133757.
- **Gorini F**, Iervasi G, Coi A, Pitto L, Fabrizio B. The role of Polybrominated Diphenyls Ethers in thyroid carcinogenesis: is it a weak hypothesis or a hidden reality? From facts to new perspectives. *Int. J Environ Res Public Health*. 2018 ; 15,1834.
- Baldacci S, **Gorini F**, Santoro M, Pierini A, Minichilli F, Bianchi F. Environmental and individual exposure and the risk of congenital anomalies: a review of recent epidemiological evidence. *Epidemiol Prev*. 2018; 3 (Suppl 1): 1-34
- Minichilli F, Bianchi F, Ronchi AM, **Gorini F**, Bustaffa E. Urinary Arsenic in Human Samples Living in Four Areas Characterized by Natural or Anthropogenic Pollution in Italy. *Int J Environ Res Public Health*. 2018; 15, 209.
- Minichilli F, **Gorini F**, Ascari E, Bianchi F, Coi A, Fredianelli L, Licitra G, Manzoli F, Mezzasalma L, Cori L. Annoyance Judgment and Measurements of Environmental Noise: A Focus on Italian Secondary Schools. *Int J Environ Res Public Health*. 2018; 15, 208.
- Santoro M, Minichilli F, Pierini A, Astolfi G, Bisceglia L, Carbone P, Conti S, Dardanoni G, Iavarone I, Ricci P, Scarano G and RiscRipro\_SentieriWorking Group, Baldacci S, Calzolari E, Cassina M, Cernigliaro A, Clementi M, Contiero P, **Gorini F**, Manno V, Marrucci S, Neville AJ, Pasetto R, Pieroni F, Pironi V, Ricci P, Scondotto S, Tagliabue G, Taruscio D, Tittarelli A. Congenital anomalies in contaminated sites: A multisite study in Italy. *Int J Environ Res Public Health*. 2017; 14, 292
- Baldacci S, **Gorini F**, Minichilli F, Pierini A, Santoro M, Bianchi F. Review of epidemiological studies on individual and environmental risk factors in the etiology of Congenital Heart Defects. *Epidemiol Prev*. 2016; 40 (3-4):185-196.
- Petruzzelli G., Pedron F., Grifoni M., **Gorini F**, Rosellini I. and Pezzarossa B., 2014. The Composting Process from a Waste Management Method to a Remediation Procedure. *World Academy of Science, Engineering and Technology*. 2014 ; 8(6): 432-435.
- **Gorini F**, Muratori F. and Morales M.A. The Role of Heavy Metals in Neurobehavioral Disorders: a Focus in Autism. *Rev J Autism Dev Disord*. 2014; 1:354–372.
- **Gorini F**, Chiappa E., Gargani L. and Picano E. Potential Effects of Environmental Chemical Contamination in Congenital Heart Disease. *Pediatr Cardiolol*. 2014 ; 35: 559-568.
- Petruzzelli G., Pedron F., Rosellini I., Tassi E., **Gorini F**, Pezzarossa B. and Barbaferi M.. Effect of Ionic Strength on Mercury Adsorption on Contaminated Soil. *World Academy of Science, Engineering and Technology*. 2013 ; 7(6): 345-348.
- Tassi E., Pini R., **Gorini F**, Valadao I. and de Castro J. A.. Chemical and Physical Soil Properties Influencing TiO2 Nanoparticles Availability in Terrestrial Ecosystems. *Journal of Environmental Research and Development*. 2012 ; 6 (4): 1014-1018.
- Petruzzelli G., Pedron F., Rosellini I., Tassi E., Gorini F. and Barbaferi M. Integrating Bioremediation and Phytoremediation to Clean up Polychlorinated Biphenyls

Contaminated Soils. World Academy of Science, Engineering and Technology. 2012 ; 66(6): 357-360.

- Pezzarossa B., **Gorini F.** and Petruzzelli G., 2011. "Heavy Metal and Selenium Distribution and Bioavailability in Contaminated Sites: A Tool for Phytoremediation". In: Dynamics and Bioavailability of Heavy Metals in the Rootzone, Magdi Selim H. Ed, CRC Press, pp. 93-127. ISBN: 978-1-4398-2622-5
- Petruzzelli G., **Gorini F.**, Pezzarossa B. and Pedron F., 2010. "The fate of pollutants in soil" in: "CNR Environment and Health inter-departmental Project: present knowledge and prospects for future research", CNR, Roma, pp 1-38. ISBN: 978-88-8080-113-9

## Proceedings

- Petruzzelli G, Pedron F, Rosellini I, Tassi E, **Gorini F**, Pezzarossa B, Barbafieri M. Effect of Ionic Strength on Mercury Adsorption on Contaminated Soil. 2013. World Academy of Science, Engineering and Technology, Issue 78 – Proceedings of WASET International Conference. Paris, France, June 27-28, 2013, pp. 2175-2178. ISSN: 2010-376x eISSN: 2010-3778
- Petruzzelli G, Pedron F, **Gorini F**, Pezzarossa B, Tassi E, Barbafieri M. Enhanced Bioavailable Contaminant Stripping (EBCS): metal bioavailability for evaluation of phytoextraction success, 2013. Book Series: E3S Web of Conferences, Volume 1 – Proceedings of 16th International Conference on Heavy Metals in the Environment (ICHMET). Rome, Italy, September 23-27, 2012. eISSN: 2267-1242
- Petruzzelli G, Pedron F, Barbafieri M, Tassi Eliana, **Gorini F**, Rosellini I. Enhanced bioavailable contaminant stripping: a case study of Hg contaminated soil, 2012. Book Series: Chemical Engineering Transactions, Volume 28 – Proceedings of 3rd International Conference on Contaminated Sites Remediation (BOSICON). Rome, Italy, September 12-14, 2012, pp. 211-216. ISBN 978-88-95608-19-8; ISSN 1974-9791
- Petruzzelli G, Pedron F, Rosellini I, Tassi E, **Gorini F**, Barbafieri M. Integrating bioremediation and phytoremediation to clean up polychlorinated biphenyls contaminated soil, 2012. World Academy of Science, Engineering and Technology, Issue 66 – Proceedings of WASET International Conference. Paris, France, June 27-28, 2012, pp. 979-982. ISSN: 2010-376x eISSN: 2010-3778
- Pedron F, Ciardi C, **Gorini F**, Petruzzelli G. Bioavailability as a tool in the selection of remediation technology for contaminated soils, 2010. EQA Environmental quality / Qualit  de l'Environnement / Qualit  Ambientale Volume 4 – Proceedings of International Congress on Air, Water and Soil Pollution. Imola, Italy, June 8-9, 2010, pp. 155-162. ISBN: 13:978-88-901261-3-0
- De Donatis G.M., Cappiello M., Moschini R., **Gorini F.**, Del Corso A. and Mura U. Role of cysteinylglycine in glutathione homeostasis in bovine eye lens, 2004. The Italian Journal of Biochemistry, Volume 53 (3) - Proceeding of the 49th meeting of the Italian Society for Biochemistry and Molecular Biology (SIB). Riccione, Italy, September 28 - October 1, 2004, pp. 188-188. ISSN: 0021-2938

## ADDITIONAL INFORMATION LANGUAGES

**English** – good reading, writing and verbal skills

**TRATTAMENTO DEI DATI  
PERSONALI, INFORMATIVA E  
CONSENSO**

Il D.Lgs. 30/6/2003, n. 196 “*Codice in materia di protezione dei dati personali*” regola il trattamento dei dati personali, con particolare riferimento alla riservatezza, all'identità personale e al diritto di protezione dei dati personali; l'interessato deve essere previamente informato del trattamento .

La norma in considerazione intende come “trattamento” qualunque operazione o complesso di operazioni concernenti la raccolta, la registrazione, l'organizzazione, la conservazione, la consultazione, l'elaborazione, la modifica, la selezione, l'estrazione, il raffronto, l'utilizzo, l'interconnessione, il blocco, la comunicazione, la diffusione, la cancellazione e la distruzione di dati, anche se non registrati in una banca dati.

In relazione a quanto riportato, autorizzo il CNR al trattamento dei dati contenuti nel presente *curriculum vitae* e nella documentazione della quale fa parte integrante

( *barrare la casella*)      ☒ **Si, acconsento**