

Personal information

Ilaria Demori, PhD

Date and Place of Birth: August 30th 1967, Genova (Italy)

Citizenship: Italian.

Languages: Italian and English (both written and spoken fluently).

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Education, Training and Professional Experience

- 1991 Degree in Biology, summa cum laude (University of Genoa)
- 1992-1993 Research Fellow, Ludwig Institute for Cancer Research (London)
- 1996-1997 Research Fellow, University of Goettingen
- 1997 Ph.D. in Physiological Sciences (University of Milan)
- 1998-2000 Post-doctoral Fellow, Institute of General Physiology (University of Genoa)
- 2001-present Assistant Professor (Researcher) of Physiology, Department of Earth, Environmental and Life Sciences (University of Genoa)
- 2002-present Teacher of General Physiology and Laboratory, Endocrinology, Nutrition Physiology, Human Physiology (Degree in Biology, University of Genoa)
- 2011-present Member of the Organizing and Scientific Committees of SIPNEI National Congresses
- 2015-present Teacher of Psychoneuroendocrineimmunology (PNEI) (Master Degrees, University of Siena, University of Genoa)
- 2015-present Invited speaker at SIPNEI National Congresses
- 2019 Guest Editor of Nutrients Special Issue "Effects of Diet and Active Compounds on Non-alcoholic Fatty Liver Disease" (MDPI)
- 2020-2021 Guest Editor of Molecules Special Issue "Natural and Synthetic Compounds with Antioxidant Properties in Biological Systems" (MDPI)
- 2021-2022 Guest Editor of Nutrients Special Issue "Endocrinology and Metabolic Diseases in Human Health" (MDPI)

Institutional responsibilities

2013-2017: secretary of the Council of the Degree Course in Biology, University of Genova, Italy.

2013-present: member of the Commission for Quality Assurance (QA) for the degree courses in Biology, University of Genova, Italy.

2017-2018: member of the Management Committee of the Master Course "Nutrition biologist expert in integrated approaches to human health"

Memberships

Member of Italian Society of Physiology (SIF)

Member of Società Italiana di Biologia e Alimentazione (SIBA)

Vicepresident of Italian Society of PNEI (SIPNEI)

Research fields

Hepatic lipid homeostasis: role of iodothyronines in the regulation of hepatic lipid metabolism.

Nutrition physiology: beneficial role of natural antioxidant compounds against non-alcoholic fatty liver disease.

Psychoneuroendocrineimmunology (PNEI): regulation of the stress response in health and disease; stress, nutrition and metabolism.

Most significant publications (last 10 years)

(h index 12)

(457 total citations)

- *ISI International Journals*

1. **Demori I**, El Rashed Z, De Negri Atanasio G, Parodi A, Millo E, Salis A, Costa A, Rosa G, Zanotti Russo M, Salvidio S, Cortese K, Grasselli E. First Evidence of Anti-Steatotic Action of Macrotympanin A1, an Amphibian Skin Peptide from *Odorrana macrotympana*. *Molecules*. 2022 Nov 1;27(21):7417.
2. **Demori I**, Molinari E, Rapallo F, Mucci V, Marinelli L, Losacco S, Burlando B. Online Questionnaire with Fibromyalgia Patients Reveals Correlations among Type of Pain, Psychological Alterations, and Effectiveness of Non-Pharmacological Therapies. *Healthcare (Basel)*. 2022 Oct 9;10(10):1975.
3. Mucci V, **Demori I**, Rapallo F, Molinari E, Losacco S, Marinelli L, Browne CJ, Burlando B. Vestibular Disability/Handicap in Fibromyalgia: A Questionnaire Study. *J Clin Med*. 2022 Jul 11;11(14):4017.
4. **Demori I**, Giordano G, Mucci V, Losacco S, Marinelli L, Massobrio P, Blanchini F, Burlando B. Thalamocortical bistable switch as a theoretical model of fibromyalgia pathogenesis inferred from a literature survey. *J Comput Neurosci*. 2022 Jul 11. doi: 10.1007/s10827-022-00826-8. Online ahead of print.
5. Cavalcante Silva J, Bavestrello M, Gazzola V, Spinella G, Pane B, Grasselli E, **Demori I**, Canesi L, Emionite L, Cilli M, Buschiazzo A, Sambuceti G, Pitta IR, Pitta MG, Perego P, Palombo D, Abdalla DSP. Ischemia-reperfusion damage is attenuated by GQ-11, a peroxisome proliferator-activated receptor (PPAR)- α/γ agonist, after aorta clamping in rats. *Life Sci*. 2022 May 15;297:120468.
6. Allaria G, De Negri Atanasio G, Filippini T, Robino F, Dondero L, Soggia F, Rispo F, Tardanico F, Ferrando S, Aicardi S, **Demori I**, Markus J, Cortese K, Zanotti-Russo M, Grasselli E. Innovative In Vitro Strategy for Assessing Aluminum Bioavailability in Oral Care Cosmetics. *Int J Environ Res Public Health*. 2022 Jul 30;19(15):9362.
7. El Rashed Z, Grasselli E, Khalifeh H, Canesi L, **Demori I**. Brown-Algae Polysaccharides as Active Constituents against Nonalcoholic Fatty Liver Disease. *Planta Med* 2022 Jan;88(1):9-19.
8. Lambruschini C, **Demori I**, El Rashed Z, Rovegno L, Canessa E, Cortese K, Grasselli E, Moni L. Synthesis, Photoisomerization, Antioxidant Activity, and Lipid-Lowering Effect of Ferulic Acid and Feruloyl Amides. *Molecules* 2021, 26, 89.
9. **Demori I**, Piccinno T, Saverino D, Luzzo E, Ottoboni S, Serpico D, Chiera M, Giuria R. Effects of winter sea bathing on psychoneuroendocrinoimmunological parameters. *Explore (NY)*. 2021 Mar-Apr;17(2):122-126.
10. **Demori I**, El Rashed Z, Corradino V, Catalano A, Rovegno L, Queirolo L, Salvidio S, Biggi E, Zanotti-Russo M, Canesi L, Catenazzi A, Grasselli E. Peptides for Skin Protection and Healing in Amphibians. *Molecules*. 2019 Jan 18;24(2)

11. Grasselli E, Canesi L, Portincasa P, Voci A, Vergani L, **Demori I**. Models of non-Alcoholic Fatty Liver Disease and Potential Translational Value: the Effects of 3,5-L-diiodothyronine. *Ann Hepatol*. 2017;16:707-719.
 12. Baselga-Escudero L, Souza-Mello V, Pascual-Serrano, Rachid T, Voci A, **Demori I**, Grasselli E. Beneficial effects of the Mediterranean spices and aromas on non-alcoholic fatty liver disease. *Trends in Food Science & Technology* 2017;61: 141-159
 13. Grasselli E, Voci A, **Demori I**, Vecchione G, Compalati AD, Gallo G, Goglia F, De Matteis R, Silvestri E, Vergani L. Triglyceride Mobilization from Lipid Droplets Sustains the Anti-Steatotic Action of Iodothyronines in Cultured Rat Hepatocytes. *Front Physiol*. 2016;6:418.
 14. Grasselli E, Voci A, **Demori I**, De Matteis R, Compalati AD, Gallo G, Vergani L. Effects of binge ethanol on lipid homeostasis and oxidative stress in a rat model of nonalcoholic fatty liver disease. *J Physiol Biochem*. 2014;70(2):341-53.
 15. Grasselli E, Voci A, **Demori I**, Canesi L, De Matteis R, Goglia F, Lanni A, Gallo G, Vergani L. 3,5-Diiodo-L-thyronine modulates the expression of genes of lipid metabolism in a rat model of fatty liver. *J Endocrinol*. 2012;212(2):149-58
- **Non ISI publications**
1. El Rashed Z, Khalife H, Voci A, Grasselli E, Canesi L, **Demori I**. Use of an in vitro model of hepatic steatosis for studying the anti-oxidant and antisteatotic effects of fucoidan polysaccharides. *Biomedical Science and Engineering* 2019; 3(3): 13-14.
 2. **Demori I**, Grasselli E. Stress-Related Weight Gain: Mechanisms Involving Feeding Behavior, Metabolism, Gut Microbiota and Inflammation. *Journal of Nutrition & Food Sciences* 2016; 6(1): 1-6
- **Chapters in Books**
1. **Demori I**, Valente P. "PNEI, infiammazione, chemioprevenzione". In: AA.VV. *Principi di Oncologia Integrata, Tecniche Nuove*, 2021.
 2. **Demori I**, Voci A, Grasselli E. Iodothyronines as Lipid-lowering Agents. In: *The molecular nutrition of fats*", Elsevier, 2019
 3. **Demori I, et al.**, "Neuroendocrinologia della nutrizione". In: Debellis, Poli: *Alimentazione, nutrizione e salute*, Edises, 2019
 4. **Demori I**, et al., "Alimenti". In: Debellis, Poli: *Alimentazione, nutrizione e salute*, Edises, 2019
 5. **Demori I**, Luzzo E, Giuria R. "Cimenti: esperienze eudaimoniche in acque algide". In: *La PNEI e le discipline corporee*, Edra, 2018.