CURRICULUM VITAE

PERSONAL INFORMATIONS

Name	**MACCHIA PAOLO EMIDIO**
Address	**VIA POSILLIPO 102/1 80123 NAPOLI (NA)**
Phone	**081- 7462108**
Fax	**081- 7462108**
E-mail	**pmacchia@unina.it**
Citizenship	**Italian, USA**
Date of Birth	**26-08-1967**

Paolo Emidio Macchia

WORK EXPERIENCE

• Dates	Dec 2012 – to date
Name and address of employer •	Università degli Studi di Napoli "Federico II", Dipartimento di Medicina Clinica e Chirurgia - II Policlinico Via Pansini 5 80131 Napoli
• Type of business or sector	University
• Position held	Associate professor in Nutrition
• Main activities and responsibilities	Research, teaching, hospital work
• Dates	Feb 2002 – Nov. 2012
Name and address of employer •	Università degli Studi di Napoli "Federico II", Dipartimento di Endocrinologia ed Oncologia Molecolare e Clinica - II Policlinico Via Pansini 5 80131 Napoli
• Type of business or sector	University
• Position held	Researcher in endocrinology
• Main activities and responsibilities	Research, teaching, hospital work
• Dates	Jul 1998 – Apr 2000,
• Name and address of employer	The University of Chicago, Department of Medicine, Thyroid Study Unit Chicago, IL (USA)
• Type of business or sector	University
• Position held	Research Associate
• Main activities and responsibilities	Research on molecular alteration in thyroid disease
• Dates	Feb 1992 – Dec 1992
• Name and address of employer	The University of Chicago, Department of Medicine, Thyroid Study Unit Chicago, IL (USA)
• Type of business or sector	University
• Position held	Research Associate
• Main activities and responsibilities	Research on molecular alteration in thyroid disease

Paolo Emidio Macchia

EDUCATION AND TRAINING

• Name and type of organisation providing education and training	2010: Abilited as Associated Professor in the Scientific sector “MED/49 - SCIENZE TECNICHE DIETETICHE APPLICATE”
	2001-2002, Post-Doc in the “Dipartimento di Biologia e Patologia Cellulare e Molecolare”, Università di Napoli “Federico II”
	2001 Ph.D. in Endocrinology and Metabolism, Università degli Studi di Napoli “Federico II”
	2000: Fellow in the. Roberto Di Lauro’s lab, Dipartimento di Biologia e Patologia Cellulare e Molecolare “Luigi Califano”, Universitá degli Studi di Napoli “Federico II
	1996 Specialist in Endocrinology and metabolic diseases, Università degli Studi di Napoli “Federico II”
	1993-1998 Felow in Dr. Roberto Di Lauro’s laboratories at Stazione Zoologica A. Dohrn, Napoli
	1991 M.D., Magna cum laude
	1985-1991 Medical School, Università degli Studi di Napoli - "Federico II"

PERSONAL SKILLS AND COMPETENCES.

MOTHER TONGUE	**ITALIAN**
OTHER LANGUAGE	**ENGLISH**
• Understanding	EXCELLENT
• Speaking	EXCELLENT
• Writing	EXCELLENT

Paolo Emidio Macchia

FELLOWSHIP AND AWARDS

1989, March – May	European Community ERASMUS fellowship at the Université Catholique de Louvain (UCL), in Bruxelles.
1990,Sept.- Dec.	European Community ERASMUS fellowship at the Université Catholique de Louvain (UCL), in Bruxelles.
1003, Jul.-Nov.	Short term EMBO fellowship to work at EMBL in Heidelberg, Germany
1997	Best Poster Prize, European Thyroid Association Meeting, Aug. 30 - Sept. 3, 1997, Munich, Germany
1998	Best Poster Prize, Human Molecular Genetics Meeting, March 28 – 30, 1998, Turin, Italy
1998	One year fellowship from Associazione Leonardo di Capua to study PAX8 mutations in congenital hypothyroidism
2000	Abstract selected as one of the six finalist of the 2000 "Knoll Thyroid Research Clinical Fellowship Award", The Endocrine Society, Toronto, June 2000
2000	Travel Grant from the American Thyroid Association to partecipate to the 12th International Thyroid Meeting in Kyoto, Japan, October 2000
2007	"Gaetano Salvatore Award" from the "Associazione Leonardo Di Capua", Sept. 8th, 2007
2009	"Premio Giusti 2009" of the "Società Italiana di Endocrinologia", May 30th, 2009

MEMBERSHIP IN SCIENTIFIC SOCIETIES

1997-2012 Member of the Endocrine Society

2000-2018 Member of the "Società Italiana di Endocrinologia" (SIE)

2000-2014 Member of the "European Thyroid Association" (ETA)

2007-2018 Member of the "Associazione Italiana della Tiroide" (AIT)

From 2014 Member of the "Società Italiana di Nutrizione Umana" (SINU)

FOUNDINGS

2004 Responsible for a local unit in a Progetto di Ricerca Scientifica di Interesse Nazionale (PRIN) of the Italian Ministry for University and Research (MIUR). Foundings for the Unit = € 51,200

2007 Responsible for a local unit in a Progetto di Ricerca Scientifica di Interesse Nazionale (PRIN) of the Italian Ministry for University and Research (MIUR). Foundings for the Unit = € 50,000

2013 Responsible for a local unit in a Progetto di Ricerca Scientifica di Interesse Nazionale (PRIN) of the Italian Ministry for University and Research (MIUR). Foundings for the Unit = € 89639

2017 Responsible for a local unit in a Progetto di Ricerca Scientifica di Interesse Nazionale (PRIN) of the Italian Ministry for University and Research (MIUR). Foundings for the Unit = € 87454

2018 Responsible for a local unit in the Project entitled "OPTIMA - Tecnologie Optoelettroniche per Applicazioni Marine e Medicali" as parrt of the programa "Distretti ad alta tecnologia, aggregazioni e laboratori pubblico privati per il rafforzamento del potenziale scientifico e tecnologico della Regione Campania"
Foundings for the Unit = € 18750

Paolo Emidio Macchia

PUBLICATIONS
(Full papers)

1) Gangliosides and phospolipids in human thyroids responsive and unresponsive to thyrotropin
Di Carlo A, Mariano A, **Macchia PE**, Pisano G, Parmeggiani U and Macchia V
J. Endocrinol. Invest. 1990 13: 817

2) Epidermal Growth Factor receptor in human brain tumors
Di Carlo A, Mariano A, **Macchia PE**, Moroni MC, Beguinot L, Macchia V
J. Endocrinol. Invest. 1992, 15: 31-37

3) Integrin expression in thyroid cells from normal glands and nodular goiters
Vitale M, Bassi V, Fenzi GF, **Macchia PE**, Salzano S, Rossi G
J. Clin. Endocrinol. Metab. 1993, 76: 1575-1579

4) Epidermal growth factor receptor and lipid membrane components in human lung cancers
Di Carlo A, Mariano A, **Macchia PE**, Cecere C, Ferrante G, Macchia V
J. Endocrinol. Invest. 1993, 16: 99-107

5) Thyroid function tests and characterization of thyroxine-binding globulin in the carbohydrate-deficient glycoprotein syndrome type I
Macchia PE, Harrison HH, Scherberg NH, Sunthornthepfvarakul T, Jaeken J, Refetoff S
J. Clin. Endocrinol. Metab. 1995, 80 (12): 3744-3749

6) Expression of thyroid transcription factor 1 gene can be regulated at the transcriptional and posttranscriptional levels
Lonigro R, De Felice M, Biffali E, **Macchia PE**, Damante G, Asteria C, Di Lauro R
Cell Growth & Differentiation 1996, 7: 251-261

7) Mutations in the gene for the thyroid transcription factor 1 (TITF1) are not a frequent cause of congental hypothyroidism (CH) wth thyroid dysgenesis.
Lapi P, **Macchia PE**, Chiovato L, Biffali E, Moschini L, Larizza D, Baserga M, Pinchera A, Fenzi GF, Di Lauro R
Thyroid 1997, 7: 383-387

8) Transient dwarfism and hypogonadism in mice lacking Otx1 reveal prepubescent stage-specific control of pituitary levels of GH, FSH and LH
Acampora D, Mazan S, Tuorto F, Avantaggiato V, Tremblay J, Lazzaro D, Di Carlo A, Mariano A, **Macchia PE**, Corte G, Macchia V, Drouin J, Brulet P, Simeone A
Development 1998, 125: 1229-39

9) PAX8 mutations associated with congenital hypothyroidism caused by thyroid dysgenesis.
Macchia PE, Lapi P, Krude H, Pirro MT, Chiovato L, Souabni A, Baserga M, Tassi V, Pinchera A, Fenzi GF, Grüters A, Busslinger M, Di Lauro R
Nat. Genet. 1998, 19 (1): 83-86

10) A mouse model for hereditary thyroid dysgenesis and cleft palate.
De Felice M, Ovitt C, Biffali E, Rodriguez-Mallon A, Arra C, Anastassiadis

K, **Macchia PE**, Mattei, MG, Mariano A, Scholer H, Macchia V, Di Lauro R
Nat. Genet. 19 (4): 395-398, 1998

11) Orbital scintigraphy with [111In-diethylenetriamine pentaacetic acid-D-phe1]-octreotide predicts the clinical response to corticosteroid therapy in patients with Graves' ophthalmopathy.
Colao A, Lastoria S, Ferone D, Pivonello R, **Macchia PE**, Vassallo P, Bonavolonta G, Muto P, Lombardi G, Fenzi GF
J. Clin. Endocrinol. Metab. 1998, 83 (11): 3790-3794

12) Cloning, chromosomal localization and identification of polymorphisms in the human thyroid transcription factor 2 gene (TITF2).
Macchia PE, Mattei MG, Lapi P, Fenzi GF, Di Lauro R
Biochimie (Paris), 1999, 81 (5): 433-440

13) Structural defects of a Pax8 mutant that gives rise to congenital hypothyroidism.
Tell G, Pellizzari L, Esposito G, Puccillo C, **Macchia PE**, Di Lauro R, Damante
Biochem. J, 1999, 341 (Pt.1): 89-93

14) Molecular genetics of congenital hypothyroidism.
Macchia PE, De Felice M, Di Lauro R
Curr. Opin. Genet. Develop., 1999, 9 (3): 289-294

15) Five new families with resistance to thyroid hormones not caused by mutations in the thyroid hormone receptor genes.
Pohlenz J, Weiss RE, **Macchia PE**, Pannain S, Lau IT, Refetoff S
J. Clin. Endocrinol. Metab., 1999, 84 (11): 3919-3928

16) Recent advances in the molecular basis of congenital hypothyroidism.
Macchia PE
Molecular Medicine Today, 2000, 6 (1): 36-42

17) Search for abnormalities of nuclear corepressors, coactivators, and a coregulator in families with resistance to thyroid hormone without mutations in thyroid hormone receptor b or a genes
Reutrakul S, Sadow PM, Pannain S, Pohlenz J, Carvalho GA, **Macchia PE**, Weiss RE, Refetoff S
J. Clin. Endocrinol. Metab., 2000, 85 (10): 3609-3617

18) Increased sensitivity to thyroid hormone in mice with complete deficiency of thyroid hormone receptor a
Macchia PE, Takeuchi Y, Kawai T, Cua K, Gautier C, Chassande O, Seo H, Hayashi Y, Samarut J, Murata Y, Weiss RE, Refetoff S
PNAS, 2001, 98 (1): 349-354

19) High-dose intravenous corticosteroid therapy for Graves' ophthalmopathy.
Macchia PE, Bagattini M, Lupoli G, Vitale G, Fenzi GF
J. Endocrinol. Invest., 2001, 24 (3): 152-8

20) Thyroid function and effect of aging in combined hetero/homozygous mice deficient in thyroid hormone receptors alpha and beta genes

Weiss RE, Chassande O, Koo EK, **Macchia PE**, Cua K, Samarut J, Refetoff S.
J Endocrinol. 2002, 172 (1): 177-85.

21) A preservation method that allows recovery of intact RNA from tissues dissected by laser capture microdissection.
Parlato R, Rosica A, Cuccurullo V, Mansi L, **Macchia PE**, Owens JD, Mushinski JF, De Felice M, Bonner RF, Di Lauro R
Anal. Biochem. 2002, 300 (2): 139-45

22) Complete Thyroxine-Binding Globulin (TBG) deficiency in two families without mutations in coding or promoter regions of the TBG gene: in vitro demonstration of exon skipping
Reutrakul S, Dumitrescu A, **Macchia PE**, Moll GW Jr, Vierhapper H, Refetoff S
J. Clin. Endocrinol. Metab. 2002, 87 (3): 1045-51

23) RXR Receptor Agonist Suppression of Thyroid Function: Central Effects in the Absence of Thyroid Hormone Receptor
Macchia PE, Jiang P, Yuan YD, Chandarardna R, Weiss RE, Chassande O, Samarut J, Refetoff S, Burant C
Am. J. Phisiol. Endocrinol. Melab., 2002, 283 (2), 326-31

24) Autosomal dominant resistance to thyrotropin as a novel entity in five multigenerational kindreds: clinical characterization and exclusion of candidate loci.
Grasberger H, Mimouni-Bloch A, Vantyghem MC, Van Vleit G, Abramowicz M, Metzger DL, Abdullatif H, Rydlewski C, **Macchia P**E, Scherberg N, Van Sande J, Mimouni M, Weiss RE, Vassart G, Refetoff S
J Clin Endocrinol Metab. 2005; 90 (7): 4025-34

25) A mouse model demonstrates a multigenic origin of congenital hypothyroidism
Amendola E, De Luca P, **Macchia PE**, Terracciano D, Rosica A, Chiappetta G, Kimura S, Mansouri A, Affuso A, Arra C, Macchia V, Di Lauro R, De Felice M
Endocrinology. 2005 146 (12): 5038-47

26) Missense mutation in the transcription factor NKX2.5: a novel molecular event in the pathogenesis of thyroid dysgenesis
Dentice M, Cordeddu V, Rosica AM, Ferrara AM, Santarpia L, Salvatore D, Chiovato L, Perri A, Moschini L, Fazzini C, Olivieri A, Costa P, Stoppioni V, Baserga M, De Felice M, Sorcini M, Fenzi GF, Di Lauro R, Tartaglia M, **Macchia PE**
J Clin Endocrinol Metab. 2006; 91 (4): 1428-33

27) FOXE1 polymorphisms: a new piece in the puzzle of thyroid dysgenesis
Macchia PE
J. Endocrinol. Invest. 2007, 30 (1): 1-2

28) A new case of familial nonautoimmune hyperthyroidism caused by the M463V mutation in the TSH receptor with anticipation of the disease across generations: a possible role of iodine supplementation.

Ferrara AM, Capalbo D, Rossi G, Capuano S, Del Prete G, Esposito V, Montesano G, Zampella E, Fenzi GF, Salerno MC, **Macchia PE**
Thyroid. 2007; 17(7) 677-80

29) Efficacy and safety of radiofrequency thermal ablation in the treatment of thyroid nodules with pressure symptoms in elderly patients.
Spiezia S, Garberoglio R, Di Somma C, Deandrea M, Basso E, Limone PP, Milone F, Ramundo V, **Macchia PE**, Biondi B, Lombardi G, Colao A, Faggiano A
J Amer Geriatr Soc 2007, 55 (9) 1478-9

30) A novel NKX2.1 mutation in a patient with congenital hypothyroidism and benign hereditary chorea.
Ferrara AM, De Michele G, Salvatore E, Di Maio L, Zampella E, Capuano S, Del Prete G, Rossi G, Fenzi GF, Filla A, **Macchia PE**
Thyroid. 2008, 18 (9) 1005-1009

31) Thyroid Nodules and Related Symptoms Are Stably Controlled Two Years After Radiofrequency Thermal Ablation
Spiezia S, Garberoglio R, Milone F, Ramundo V, Caiazzo C, Assanti AP, De Andrea M, Limone PP, **Macchia PE**, Lombardi G, Colao AM, Faggiano A
Thyroid 2009, 19 (3): 219-225.

32) Mutations in TAZ/WWTR1, a co-activator of NKX2.1 and PAX8 are not a frequent cause of thyroid dysgenesis
Ferrara AM, De Sanctis L, Rossi G, Capuano S, Del Prete G, Zampella E, Gianino P, Corrias A, Fenzi GF, Zannini M, **Macchia PE**
J. Endocrinol. Invest, 2009, 32 (3): 238-241

33) Iodine status assessment in Campania (Italy) as determined by urinary iodine excretion
Mazzarella C; Terracciano D; Di Carlo A; **Macchia PE**; Consiglio E; Macchia V, Mariano A
Nurition, 2009 25 (9): 926-929

34) Benign hereditary chorea: Clinical and neuroimaging features in an Italian family.
Salvatore E, Di Maio L, Filla A, Ferrara AM, Rinaldi C, Saccà F, Peluso S, **Macchia PE**, Pappatà S, De Michele G.
Mov Disord, 2010 25 (10): 1491-96

35) Characterization of a novel loss-of-function mutation of PAX8 associated with congenital hypothyroidism.
Di Palma T, Zampella E, Filippone MG, **Macchia PE,** Ris-Stalpers C, de Vroede M, Zannini M.
Clin Endocrinol (Oxf). 2010 Dec;73(6):808-14

36) Screening for mutations in the ISL1 gene in patients with thyroid dysgenesis.
Ferrara AM, Rossi G, Zampella E, Di Candia S, Pagliara V, Nettore IC, Capalbo D, De Sanctis L, Baserga M, Salerno MC, Fenzi G, **Macchia PE.**
J. Endocrinol: Invest. 2011 34 (7) e149-52

37) Thyroid nodules treated with percutaneous radiofrequency thermal ablation: a comparative study.
Faggiano A, Ramundo V, Assanti AP, Fonderico F, **Macchia PE**, Misso C, Marciello F, Marotta V, Del Prete M, Papini E, Lombardi G, Colao A, Spiezia S.
J Clin Endocrinol Metab. 2012 Dec;97(12):4439-45.

38) Identification and functional characterization of a novel mutation in the NKX2-1 gene: comparison with the data in the literature.
Nettore IC, Ferrara AM, Mirra P, Sibilio A, Pagliara V, Kamoi Kay CS, Lorenzoni PJ, Werneck LC, Bruck I, Coutinho Dos Santos LH, Beguinot F, Salvatore D, Ungaro P, Fenzi G, Scola RH, **Macchia PE**.
Thyroid. 2013 Jun;23(6):675-82. doi: 10.1089/thy.2012.0267

39) The molecular causes of thyroid dysgenesis: a systematic review..
Nettore IC, Cacace V, De Fusco C, Colao A, **Macchia PE**.
J Endocrinol Invest. 2013 36:654-64. doi 10.3275/8973

40) Nutrition and psoriasis: is there any association between the severity of the disease and adherence to the Mediterranean diet?
Barrea L, Balato N, Di Somma C, **Macchia PE**, Napolitano M, Savanelli M, Esposito K, Colao A, Savastano S.
J Transl Med. 2015 Jan 27;13(1):18. [Epub ahead of print], PMID: 25622660

41) Effects of treatment modalities for Graves' hyperthyroidism on Graves' orbitopathy: a 2015 Italian Society of Endocrinology Consensus Statement.
Bartalena L, **Macchia PE**, Marcocci C, Salvi M, Vermiglio F.
J Endocrinol Invest. 2015 Feb 27. [Epub ahead of print]

42) Pregnancy outcome in women treated with methimazole or propylthiouracil during pregnancy.
Gianetti E, Russo L, Orlandi F, Chiovato L, Giusti M, Benvenga S, Moleti M, Vermiglio F, **Macchia PE,** Vitale M, Regalbuto C, Centanni M, Martino E, Vitti P, Tonacchera M.
J Endocrinol Invest. 2015 Sep;38(9):977-85. doi: 10.1007/s40618-015-0281-z. Epub 2015 Apr 4

43) Flavor perception test: evaluation in patients with Kallmann syndrome.
Maione L, Cantone E, Nettore IC, Cerbone G, De Brasi D, Maione N, Young J, Di Somma C, Sinisi AA, Iengo M, **Macchia PE**, Pivonello R, Colao A.
Endocrine. 2015 Jul 25. [Epub ahead of print]

44) Dietary Polyphenols and Chromatin Remodelling..
Russo GL, Vastolo V, Ciccarelli M, Albano L, **Macchia PE**, Ungaro P.
Crit Rev Food Sci Nutr. 2015 Sep 10:0. [Epub ahead of print]

45) Nutrition: a key environmental dietary factor in clinical severity and cardio-metabolic risk in psoriatic male patients evaluated by 7-day food-frequency questionnaire.
Barrea L, **Macchia PE,** Tarantino G, Di Somma C, Pane E, Balato N, Napolitano M, Colao A, Savastano S.

J Transl Med. 2015 Sep 16;13:303. doi: 10.1186/s12967-015-0658-y.

46) Glucose-induced expression of the homeotic transcription factor Prep1 is associated with histone post-translational modifications in skeletal muscle.. Ciccarelli M, Vastolo V, Albano L, Lecce M, Cabaro S, Liotti A, Longo M, Oriente F, Russo GL, **Macchia PE**, Formisano P, Beguinot F, Ungaro P.. Diabetologia. 2016 Jan;59(1):176-86. doi: 10.1007/s00125-015-3774-6. Epub 2015 Oct 9.

47) Influence of nutrition on somatotropic axis: Milk consumption in adult individuals with moderate-severe obesity.
Barrea L, Di Somma C, **Macchia PE**, Falco A, Savanelli MC, Orio F, Colao A, Savastano S.
Clin Nutr. 2015 Dec 18. pii: S0261-5614(15)00345-3. doi: 10.1016/j.clnu.2015.12.007.

48) Long period fiber grating nano-optrode for cancer biomarker detection. Quero G, Consales M, Severino R, Vaiano P, Boniello A, Sandomenico A, Ruvo M, Borriello A, Diodato L, Zuppolini S, Giordano M, Nettore IC, Mazzarella C, Colao A, **Macchia PE**, Santorelli F, Cutolo A, Cusano A. Biosens Bioelectron. 2016 Jun 15;80:590-600. doi: 10.1016/j.bios.2016.02.021. Epub 2016 Feb 13.

49) High Sensitive Long Period Fiber Grating Biosensor for Cancer Biomarker Detection.
Quero G., Consales M., Severino R., Vaiano P., Boniello A., Sandomenico A., Ruvo M., Borriello A., Diodato L., Zuppolini S., Giordano M., Nettore I., Colao A., **Macchia P.E.**, Santorelli F., Cutolo A. and Cusano A. 2016.
In , ISBN , pages 0-0. DOI: 10.5220/0005846705610569

50) Bioelectrical phase angle and psoriasis: a novel association with psoriasis severity, quality of life and metabolic syndrome.
Barrea L, **Macchia PE**, Di Somma C, Napolitano M, Balato A, Falco A, Savanelli MC, Balato N, Colao A, Savastano S.
J Transl Med. 2016 May 10;14(1):130. doi: 10.1186/s12967-016-0889-6. PMID: 27165166

51) Germline polymorphisms of the VEGF-pathway predict recurrence in non-advanced differentiated thyroid cancer. Marotta V, Sciammarella C, Capasso M, Testori A, Pivonello C, Chiofalo MG, Gambardella C, Grasso M, Antonino A, Annunziata A, **Macchia PE**, Pivonello R, Santini L, Botti G, Losito S, Pezzullo L, Colao A, Faggiano A. J Clin Endocrinol Metab. 2017 Feb 1;102(2):661-671. doi: 10.1210/jc.2016-2555.

52) Sunshine vitamin and thyroid. Nettore IC, Albano L, Ungaro P, Colao A, **Macchia PE**. Rev Endocr Metab Disord. 2017 Jan 14. doi: 10.1007/s11154-017-9406-3.

53) Mediterranean Diet and Phase Angle in a Sample of Adult Population: Results of a Pilot Study. Barrea L, Muscogiuri G, **Macchia PE**, Di Somma C, Falco A, Savanelli MC, Colao A, Savastano S. Nutrients. 2017 Feb 17;9(2). pii: E151. doi: 10.3390/nu9020151

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54) Selenium supplementation modulates apoptotic processes in thyroid follicular cells. Nettore IC, De Nisco E, Desiderio S, Passaro C, Maione L, Negri M, Albano L, Pivonello C, Pivonello C, Portella G, Ungaro P, Colao A, **Macchia PE**. Biofaors 2017, Biofactors. 2017 May 6;43(3):415-423. doi: 10.1002/biof.1351

55) Preliminary results demonstrating the impact of Mediterranean diet on bone health. Savanelli MC, Barrea L, **Macchia PE***, Savastano S, Falco A, Renzullo A, Scarano E, Nettore IC, Colao A, Di Somma C. J Transl Med. 2017;15(1):81. doi: 10.1186/s12967-017-1184-x.
* Corresponding author

56) Adherence to the Mediterranean Diet and Circulating Levels of Sirtuin 4 in Obese Patients: A Novel Association. Barrea L, Tarantino G, Somma CD, Muscogiuri G, **Macchia PE**, Falco A, Colao A, Savastano S. Oxid Med Cell Longev. 2017:6101254. doi: 10.1155/2017/6101254. Epub 2017 Jun 15.

57) High-resolution melting analysis (HRM) for mutational screening of Dnajc17 gene in patients affected by thyroid dysgenesis. Nettore IC, Desiderio S, De Nisco E, Cacace V, Albano L, Improda N, Ungaro P, Salerno M, Colao A, **Macchia PE**. J Endocrinol Invest. 2018 Jun;41(6):711-717. doi: 10.1007/s40618-017-0795-7.

58) Nutritional and Environmental Factors in Thyroid Carcinogenesis. Nettore IC, Colao A, **Macchia PE**. Int J Environ Res Public Health. 2018 Aug 13;15(8). pii: E1735. doi: 10.3390/ijerph15081735.

59) Similarities and differences in the reproductive phenotypes of women with congenital hypogonadotrophic hypogonadism caused by GNRHR mutations and women with polycystic ovary syndrome. Maione L, Fèvre A, Nettore IC, Manilall A, Francou B, Trabado S, Bouligand J, Guiochon-Mantel A, Delemer B, Flanagan CA, **Macchia PE**, Millar RP, Young J. Hum Reprod. 2019 Jan 1;34(1):137-147. doi: 10.1093/humrep/dey339.

60) The flavor test is a sensitive tool in identifying the flavor sensorineural dysfunction in Parkinson's disease. De Rosa A, Nettore IC, Cantone E, Maione L, Desiderio S, Peluso S, Saccà F, Manganelli F, Bruzzese D, Colao A, De Michele G, **Macchia PE**.
Neurol Sci. 2019 Mar 20. doi: 10.1007/s10072-019-03842-2.

61) Iodine deficiency among Italian children and adolescents assessed through 24-hour urinary iodine excretion. Campanozzi A, Rutigliano I, **Macchia PE**, De Filippo G, Barbato A, Iacone R, Russo O, D'Angelo G, Frigeri M, Pensabene L, Malamisura B, Cecere G, Micillo M, Francavilla R, Tetro A, Lombardi G, Tonelli L, Castellucci G, Ferraro L, Di Biase R, Lezo A, Salvatore S, Paoletti S, Siani A, Galeone D, Formisano P, Strazzullo P. Am J Clin Nutr. 2019 Apr 1;109(4):1080-1087. doi: 10.1093/ajcn/nqy393

62) Quercetin and its derivative Q2 modulate chromatin dynamics in adipogenesis and Q2 prevents obesity and metabolic disorders in rats. Nettore IC, Rocca C, Mancino G, Albano L, Amelio D, Grande F, Puoci F, Pasqua T, Desiderio S, Mazza R, Terracciano D, Colao A, Bèguinot F, Russo GL, Dentice M **Macchia PE**, Sinicropi MS, Angelone T, Ungaro P

J Nutr Biochem, 69, 151-162 Jul 2019 DOI: 10.1016/j.jnutbio.2019.03.019

63) Reply to A Olivieri et al. Campanozzi A, **Macchia PE**, De Filippo G, Strazzullo PA. J Clin Nutr. 2019;110(5):1267. doi:10.1093/ajcn/nqz207

64) Influences of Age, Sex and Smoking Habit on Flavor Recognition in Healthy Population. Nettore IC, Maione L, Desiderio S, De Nisco E, Franchini F, Palatucci G, Ungaro P, Cantone E, **Macchia PE***, Colao A*. Int J Environ Res Public Health, 17 (3): 959; 2020. doi: 10.3390/ijerph17030959.
* Both should be considered last authors

65) Flavor identification inversely correlates with body mass index (BMI). Nettore IC, Maione L, Palatucci G, Dolce P, Franchini F, Ungaro P, Belfiore A, Colao A, **Macchia PE**. Nutr Metab Cardiovasc Dis., 30: 1299-1305; 2020 Apr 20:S0939-4753(20)30126-5. doi: 10.1016/j.numecd.2020.04.005.

PUBLICATIONS
(Books, book chapters and multimedia)

1) **Macchia PE**, Fenzi G. Non toxic goiter. In Endocrinology and metabolism. Aldo Pinchera editor.
Mc Graw-Hill International (UK) Ltd. publisher. 2001, pp 181-8.
ISBN 007-709520-0

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