CURRICULUM VITAE

PERSONAL INFORMATION

Name	Alfonso Massimiliano Ferrara
Place and date of birth	
Citizenship:	Italian
Current position:	Clinical Endocrinologist at Istituto Oncologico Veneto, Via Gattamelata, 64 35128 - Padova
Current work address	Istituto Oncologico Veneto Via Giustiniani, 2 35128 - Padova
Home address:	
E-mail address	massimiliano.ferrara@iov.ioveneto.it

EDUCATION, DEGREES, CERTIFICATES

1997 - 2003	Medical School, Università degli Studi di Napoli - "Federico II"
2003, October	M.D., magna cum laude
2008, October	Completed Italian Examinations (equivalent of USA Board) in Endocrinology and Metabolic Diseases, magna cum laude
2012, January	Ph.D. in Molecular Oncology and Endocrinology

PROFESSIONAL EXPERIENCE

2001 - 2003	Hospital training as medical student, "Dipartimento di Endocrinologia ed Oncologia Molecolare e Clinica" of the Faculty of Medicine, Università degli Studi di Napoli - "Federico II".
2006, Jun - Aug	Visiting Research Associate, Thyroid Study Unit, Department of Medicine, Sect. of Endocrinology, University of Chicago, Chicago, IL
2004 – 2008	Residency in Internal Medicine with emphasis in Endocrinology
2008 - 2010	Fellow in Molecular Oncology and Endocrinology, Università degli Studi di Napoli “Federico II”, Napoli, Italy
2010 – 2013	Postdoctoral Scholar, University of Chicago, Chicago, IL (USA)
2013, Jan – Sept	Faculty Member for Research Teaching, University of Chicago, Chicago, IL (USA)

AWARDS

2007	Best poster Prize at "XXV Giornate Italiane della Tiroide" November, 29th and 30th – December, 1st 2007 – Ancona – Italy
2013	2013 American Federation for Medical Research Foundation Henry Christian Award.
2013	Endocrine Society Outstanding Abstract Award.
2013	Finalist for the Presidential Award Competition at the ENDO 2013 (San Francisco – USA 15th -18th June)
2013	Jack Robbins prize at the Annual Meeting of the European Thyroid Association (ETA)
2013	5x1000 Grant at the Istituto Oncologico Veneto for the project "NGS applied to thyroid cancers"

SOCIETY MEMBERSHIPS

Since 2006 Member of "Società Italiana di Endocrinologia (SIE)"; Since 2009 Member of "Associazione Italiana della Tiroide (AIT)";
Since 2014 Member of "European Network for the Study of Adrenal Tumors *(*ENS@T)"*;* Since 2015 Member of "Società Italiana di Osteoncologia (ISO)";
Since 2016 Member of "'Associazione Medici Endocrinologi (AME)",
Since 2016 Member of "Gruppo Giovani ISO"

REVIEWER FOR JOURNALS

Thyroid
Journal of Endocrinological Investigation
Endocrine
BMC Medical Genetics

TEACHING

Students and postdocs in the laboratory – research techniques:

- Jay Sangani, graduate student, The University of Chicago
- Solomon Maximo Greenberger, Student at Pritzker School of Medicine, The University of Chicago
- Ben Hammer, student in Biology, The University of Chicago
- Phillip Henry, Student at Saint Louis University School of Medicine,
- Hideyuki Iwayama, MD, PhD, PostDoctoral Scholar, at The University of Chicago

PUBLICATIONS

Peer Reviewed Pubblications

1) 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
   Missense mutation in the transcription factor NKX2.5: a novel molecular event in the pathogenesis of thyroid dysgenesis
   J Clin Endocrinol Metab. 2006; 91 (4): 1428-33

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

3) **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
   A novel NKX2.1 mutation in a patient with congenital hypothyroidism and benign hereditary chorea.
   Thyroid. 2008 Sep; 18(9): 1005-9;

4) Kohn B, Grasberger H, Lam LL, **Ferrara AM**, Refetoff S
   A somatic gain-of-function mutation in the thyrotropin receptor gene producing a toxic adenoma in an infant.
   Thyroid. 2009 Feb;19(2):187-91

5) Rivas M, Mellström B, Torres B, Cali G, **Ferrara AM**, Terracciano D, Zannini M, Morreale de Escobar G, Naranjo JR.
   The DREAM protein is associated with thyroid enlargement and nodular development. Mol Endocrinol. 2009 Jun;23(6):862-70. Epub 2009 Mar 19.

6) **Ferrara AM**, De Sanctis L, Rossi G, Capuano S, Del Prete G, Zampella E, Gianino P, Corrias A, Fenzi GF, Zannini M, Macchia PE
   Mutations in TAZ/WWTR1, a co-activator of NKX2.1 and PAX8 are not a frequent cause of thyroid dysgenesis
   J Endocrinol Invest. 2009 Mar;32(3):238-41.

7) Salvatore E, Di Maio L, Filla A, **Ferrara AM**, Rinaldi C, Saccà F, Peluso S, Macchia PE, Pappatà S, De Michele G
   Benign hereditary chorea: clinical and neuroimaging features in an Italian family. Mov Disord. 2010 Jul 30;25(10):1491-6.

8) **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

Screening for mutations in the ISL1 gene in patients with thyroid dysgenesis.
J Endocrinol Invest. 2011 Jul-Aug;34(7):e149-52.

9) **Ferrara AM**, Onigata K, Ercan O, Woodhead H, Weiss RE, Refetoff S. Homozygous Thyroid Hormone Receptor β-Gene Mutations in Resistance to Thyroid Hormone: Three New Cases and Review of the Literature.
J Clin Endocrinol Metab. 2012 Apr;97(4):1328-36.

10) Immacolata Cristina Nettore, Paola Mirra, **Alfonso Massimiliano Ferrara**, Annarita Sibilio, Valentina Pagliara, Claudia Suemi Kamoi Kay, Paulo Josè Lorenzoni, Lineu Cesar Werneck, Isac Bruck, Lucia Helena Coutinho dos Santos, Francesco Beguinot, Domenico Salvatore, Paola Ungaro, Gianfranco Fenzi, Rosana Herminia Scola & Paolo Emidio Macchia
Identification and functional characterization of a novel mutation in the NKX2-1 gene:comparison with the data in the literature
Thyroid 2013, Jun;23(6):675-82

11) **Ferrara AM**, Cakir M, Henry P, Refetoff S
Coexistence of THRB and TBG gene mutations in a Turkish family
J Clin Endocrinol Metab. 2013 Jun;98(6):E1148-51

12) **Ferrara AM**, Liao XH, Gil-Ibáñez P, Marcinkowski T, Bernal J, Weiss RE, Dumitrescu AM, Refetoff S.
Changes in Thyroid Status During Perinatal Development of MCT8-Deficient Male Mice Endocrinology. 2013 Jul;154(7):2533-41

13) Di Cosmo C, Liao XH, Ye H, **Ferrara AM**, Weiss RE, Refetoff S, Dumitrescu AM. Mct8 deficient mice have increased energy expenditure and reduced fat mass that is abrogated by normalization of serum T_3 levels.
Endocrinology 2013 Dec; 154(12): 4885-95;

14) Greenberg SM, **Ferrara AM**, Nicholas ES, Dumitrescu AM, Cody V, Weiss RE, Refetoff S A Novel Mutation in the Albumin Gene (R218S) Causing Familial Dysalbuminemic Hyperthyroxinemia in a Family of Bangladeshi Extraction Thyroid. 2014 Jun; 24 (6):945-50;

15) **Ferrara AM**, Liao XH, Gil-Ibáñez P, Bernal J, Weiss RE, Dumitrescu AM, Refetoff S. Placenta Passage of the Thyroid Hormone Analog DITPA to Male Wild-Type and Mct8-Deficient Mice Endocrinology. 2014 Oct;155(10):4088-93;

16) **Ferrara AM,** Pappa T, Fu J, Brown CD, Peterson A, Moeller LC, Wyne W, White KP, Trubetskoy V, Nobrega M, Weiss RE, Pluzhnikov A, Dumitrescu AM, Refetoff S A novel mechanism of inherited TBG deficiency: mutation in a liver specific enhancer J Clin Endocrinol Metab. 2015 Jan;100(1):E173-81. doi: 10.1210/jc.2014-3490;

17) **Ferrara AM**, Liao XH, Ye H, Weiss RE, Dumitrescu AM, Refetoff S The Thyroid Hormone Analog DITPA Ameliorates Metabolic Parameters of Male Mice With Mct8 Deficiency

Endocrinology. 2015 Nov;156(11):3889-94. doi: 10.1210/en.2015-1234 Epub 2015 Aug 31;

18) Pappa T, **Ferrara AM**, Refetoff S Inherited defects of thyroxine-binding proteins Best Pract Res Clin Endocrinol Metab. 2015 Oct;29(5):735-47. doi: 10.1016/j.beem.2015.09.002. Epub 2015 Sep 30.

19) **Alfonso Massimiliano Ferrara**, Monica Sciacco, Stefania Zovato, Silvia Rizzati, Irene Colombo, Francesca Boaretto, Maurizio Moggio, Giuseppe Opocher Coexistence of VHL disease and CPT2 deficiency: a case report Cancer Res Treat. 2016 Mar 25. doi: 10.4143/crt.2015.450. [Epub ahead of print];

20) Albiger NM, Regazzo D, Rubin B, **Ferrara AM**, Rizzati S, Taschin E, Ceccato F, Arnaldi G, Pecori Giraldi F, Stigliano A, Cerquetti L, Grimaldi F, De Menis E, Boscaro M, Iacobone M, Occhi G, Scaroni C A multicenter experience on the prevalence of ARMC5 mutations in patients with primary bilateral macronodular adrenal hyperplasia: from genetic characterization to clinical phenotype. Endocrine. 2016 Apr 19. [Epub ahead of print]

21) **Ferrara AM***, Lombardi G*, Pambuku A, Meringolo D, Bertorelle R, Nardin M, Schiavi F, Iacobone M, Opocher G, Zagonel V, Zovato S Temozolomide treatment of a malignant pheochromocytoma and an unresectable MAX-related paraganglioma. Anticancer Drugs. 2018 Jan;29(1):102-105. doi: 10.1097/CAD.0000000000000570 **these Authors contributed equally to the manuscript*

22) Krauss T*, **Ferrara AM***, Links TP*, Wellner U, Bancos I, Kvachenyuk A, Villar Gómez de Las Heras K, Yukina M, Petrov R, Bullivant G, von Duecker L, Jadhav SS, Ploeckinger U, Welin S, Schalin-Jantti C, Gimm O, Pfeifer M, Ngeow J, Hasse-Lazar K, Sanso G, Qi XP, Ugurlu U, Diaz RE, Wohllk N, Peczkowska M, Aberle J, Lourenço DM Jr, Pereira MA, Fragoso MCBV, Hoff AO, Almeida MQ, Violante AHD, Quidute ARP, Zhang Z, Recasens M, Robles Diaz L, Kunavisarut T, Wannachalee T, Sirinvaravong S, Jonasch E, Grozinsky-Glasberg S, Fraenkel M, Beltsevich D, Egorov VI, Bausch D, Schott M, Tiling N, Pennelli G, Zschiedrich S, Därr R, Ruf J, Denecke T, Link KH, Zovato S, von Dobschuetz E, Yaremchuk S, Amthauer H, Makay O, Patocs A, Walz MK, Huber TB, Seufert J, Hellman P, Kim RH, Kuchinskaya E, Schiavi F, Malinoc A, Reisch N, Jarzab B, Barontini M, Januszewicz A, Shah N, Young W, Opocher G, Eng C, Neumann HPH, Bausch B Preventive medicine for von Hippel-Lindau disease-associated pancreatic neuroendocrine tumors Endocr Relat Cancer. 2018 May 10. pii: ERC-18-0100. doi: 10.1530/ERC-18-0100. [Epub ahead of print] * *these Authors contributed equally to the manuscript*

Non-peer reviewed publications and commentaries

1) Thyroid transcription factors and congenital hypothyroidism
Ferrara A.M., Macchia PE
Hot Thyroidology. Feb. 2007;1 (http://www.hotthyroidology.com/editorial_162.html)

2) Orkide Kutlu, Caecilie Crawley Larsen, Solomon Maximo Greenberg, **Alfonso Massimiliano Ferrara**, Ferda Sevimli Surnik, Samuel Refetoff, Cevdet Duran False

elevation of free thyroxine and triiodothyronine due to the presence of antibodies to iodothyronines Journal of Istanbul Faculty of Medicine. Vol 79, No 1 (2016)

3) Alfonso Massimiliano Ferrara, Giuseppe Lombardi, Francesca Schiavi, Giuseppe Opocher, Vittorina Zagonel, Stefania Zovato Efficacia di temozolomide nel trattamento di un feocromocitoma sporadico maligno L'Endocrinologo August 2017, Volume 18, Issue 4, pp 189–190

4) Ferrara, Alfonso Massimiliano (Sep 2018) Genetics of Thyroid Hormone-Binding Proteins. In: eLS. John Wiley & Sons Ltd, Chichester. http://www.els.net [doi: 10.1002/9780470015902.a0027314]

Book Chapters

1) **Ferrara AM,** Macchia AM, Fenzi G.

Diagnostica – Esame obiettivo e diagnosi bioumorale delle malattie tiroidee. Trattato Italiano di Endocrinochirurgia – Club dell U.E.C.; vol. I, Novembre 2008.

2) **Ferrara AM**, Macchia PE.

Genetics of congenital hypothyroidism.
IN: The Thyroid and Reproduction, J. Lazarus, V. Pirags, S. Butz (eds), Thieme, Stuttgart, Germany, 2008, pp114-125.