

Curriculum Vitae

Personal information **Angelo Molinaro**

Work experience

1. Employer: Italian Medicines Agency _ AIFA
 - Start date: 112019
 - End date:
 - Position: Medical Officer
 - Activities:
 - Scientific assessment of medicinal product clinical data (efficacy and safety) for the granting of Marketing Authorization by centralized procedure and for post-authorization procedures, in which the European Medicines Agency (EMA) is involved.
 - Clinical Expert involved in the Health Technology Assessment (HTA) for defining the reimbursement and place in therapy in Italy of medicines authorized by centralized procedure.
 - Scientific Advice and role of Expert for the European Medicines Agency (EMA).
 - Member of the Network Data Steering Group, a working group providing strategic advice to the EMA and the network of Heads of European Medicines Regulatory Agencies (HMA) on the use of data in pharmaceutical regulation (since Jan 2025)
 - Expert of the Emergency Task Force (ETF) of the European Medicines Agency, for chemical, radiological and nuclear public health emergencies.
 - Member of the EMA Radiopharmaceuticals Expert Group.
 - Support as Clinical Expert to the Italian members of other EMA committees for rare/orphan drugs (COMP) and for advanced therapies (CAT).
 - Linguistic revision of the Italian medicinal product information from English.
 - Members of working groups for the optimization of the office internal workflow and SOPs
 - Country: Italy

Education and training

1. Subject: Department of Neuroscience, Psychology, Drug Research and Child Health, University of Florence, & Institute of Neuroscience, Italian National Research Council (CNR)
 - Start date: 112015
 - End date: 102018
 - Qualification: PhD in Neuroscience
 - Organisation:
 - Country: Italy
2. Subject: Institute for Brain and Spine (ICM)
 - Start date: 052018
 - End date: 102018
 - Qualification: PhD student _ Foreign experience
 - Organisation:
 - Country: France
3. Subject: Institut de Recherche Interdisciplinaire en Biologie Humaine et Moléculaire (IRIBHM) _ Université Libre de Bruxelles, Faculty of Medicine ("Erasmus plus" project)
 - Start date: 112014
 - End date: 042015
 - Qualification: Research Training _ Erasmus + Project
 - Organisation:
 - Country: Belgium
4. Subject: Harvard Medical School & Massachusetts General Hospital, Endocrine Unit, Lab of Molecular Biology
 - Start date: 092013
 - End date: 032014
 - Qualification: Research Fellow
 - Organisation:
 - Country:
5. Subject: University of Pisa, Faculty of Medicine and Surgery
 - Start date: 052010
 - End date: 052015
 - Qualification: Specialization in Endocrinology and Metabolic Diseases (5_year post_MD degree)
 - Organisation:
 - Country: Italy
6. Subject: University of Pisa, Faculty of Medicine and Surgery
 - Start date: 032004
 - End date: 092009
 - Qualification: Doctor of Medicine (MD)
 - Organisation:
 - Country: Italy
7. Subject: University of Catanzaro "Magna Graecia"
 - Start date: 102000
 - End date: 022004
 - Qualification: Faculty of Medicine
 - Organisation:

- Country: Italy

Additional information

Publications

15) Genetic interaction analysis of VEGF_A rs3025039 and VEGFR_2 rs2071559 identifies a genetic profile at higher risk to develop nodular goiter. Molinaro A, Orlandi P, Niccolai F, Agretti P, De Marco G, Ferrarini E, Di Cosmo C, Vittì P, Piaggi P, Di Desidero T, Bocci G, Tonacchera M. *J Endocrinol Invest.* 2019 Aug 2 . 14) Brain Mitochondrial Proteome Alteration Driven by Creatine Deficiency Suggests Novel Therapeutic Venues for Creatine Deficiency Syndromes. Giusti L, Molinaro A, Alessandri MG, Boldrini C, Ciregia F, Lacerenza S, Ronci M, Urbani A, Cioni G, Mazzoni MR, Pizzorusso T, Lucacchini A, Baroncelli L. *Neuroscience.* 2019 Jun 15;409:276-289. 13) A Nervous System_Specific Model of Creatine Transporter Deficiency Recapitulates the Cognitive Endophenotype of the Disease: a Longitudinal Study. Molinaro A, Alessandri MG, Putignano E, Leuzzi V, Cioni G, Baroncelli L, Pizzorusso T. *Sci Rep.* 2019 Jan 11;9(1):62. 12) iPSC_derived neurons profiling reveals GABAergic circuit disruption and acetylated α -tubulin defect which improves after iHDAC6 treatment in Rett syndrome. Landucci E, Brindisi M, Bianciardi L, Catania LM, Daga S, Croci S, Frullanti E, Fallerini C, Butini S, Brogi S, Furini S, Melani R, Molinaro A, Lorenzetti FC, Imperatore V, Amabile S, Mariani J, Mari F, Ariani F, Pizzorusso T, Pinto AM, Vaccarino FM, Campiani G, Renieri A, Meloni I. *Exp Cell Res.* 2018 May 3. 11) A Large Inversion Involving GNAS Exon A/B and All Exons Encoding Gsa Is Associated with Autosomal Dominant Pseudohypoparathyroidism Type Ib (PHP1B). Grigelloniene G, Nevalainen PI, Reyes M, Thiele S, Tafaj O, Molinaro A, Takatani R, Ala-Houhala M, Nilsson D, Eiseltd J, Lindstrand A, Kottler ML, Mäkitie O, Jüppner H. *J Bone Miner Res.* 2017 Apr;32(4):776-783. 10) A mouse model for creatine transporter deficiency reveals early onset cognitive impairment and neuropathology associated with brain aging. Baroncelli L, Molinaro A, Cacciantè F, Alessandri MG, Napoli D, Putignano E, Tola J, Leuzzi V, Cioni G, Pizzorusso T. *Hum Mol Genet.* 2016 Oct 1;25(19):4186-4200. 9) Proteomic analysis of fine_needle aspiration in differential diagnosis of thyroid nodules. Ciregia F, Giusti L, Molinaro A, Niccolai F, Mazzoni MR, Rago T, Tonacchera M, Vittì P, Giannaccini G, Lucacchini A. *Transl Res.* 2016 Apr 20. pii: S1931-5244(16)30030-5. 8) Analysis of Multiple Families with Single Individuals Affected by Pseudohypoparathyroidism Type Ib (PHP1B) Reveals Only One Novel Maternally Inherited GNAS Deletion. Takatani R, Molinaro A, Grigelloniene G, Tafaj O, Watanabe T, Reyes M, Sharma A, Singhal V, Raymond FL, Linglart A, Jüppner H. *J Bone Miner Res.* 2016 Apr;31(4):796-805 7) TSH elevations as the first laboratory evidence for pseudohypoparathyroidism type Ib (PHP1B). Molinaro A, Tiosano D, Takatani R, Chrysis D, Russell W, Koscielniak N, Kottler ML, Agretti P, De Marco G, Ahtiainen P, Christov M, Mäkitie O, Tonacchera M, Jüppner H. *J Bone Miner Res.* 2015 May;30(5):906-12. 6) Similar frequency of paternal uniparental disomy involving chromosome 20q (patUPD20q) in Japanese and Caucasian patients affected by sporadic pseudohypoparathyroidism type Ib (sporPHP1B). Takatani R, Minagawa M, Molinaro A, Reyes M, Kinoshita K, Takatani T, Kazukawa I, Nagatsuma M, Kashimada K, Sato K, Matsushita K, Nomura F, Shimono N, Jüppner H. *Bone.* 2015 May 19;79:15-20. 5) BRAF mutation analysis in thyroid nodules with indeterminate cytology: our experience on surgical management of patients with thyroid nodules from an area of borderline iodine deficiency. Agretti P, Niccolai F, Rago T, De Marco G, Molinaro A, Scutari M, Di Cosmo C, Di Coscio G, Vitale M, Maccheroni M, Vittì P, Tonacchera M. *J Endocrinol Invest.* 2014 Oct;37(10):1009-14. 4) Presence in the Pre_Surgical Fine_Needle Aspiration of Potential Thyroid Biomarkers Previously Identified in the Post_Surgical One. Ciregia F, Giusti L, Molinaro A, Niccolai F, Agretti P, Rago T, Di Coscio G, Vittì P, Basolo F, Iacconi P, Tonacchera M, Lucacchini A. *PLoS One.* 2013 Sep 2;8(9):e72911. 3) MicroRNA expression profile helps to distinguish benign nodules from papillary thyroid carcinomas starting from cells of fine_needle aspiration. Agretti P, Ferrarini E, Rago T, Candelieri A, De Marco G, Dimida A, Niccolai F, Molinaro A, Di Coscio G, Pinchera A, Vittì P, Tonacchera M. *Eur J Endocrinol.* 2012 Sep;167(3):393-400. 2) Genetic markers to discriminate benign and malignant thyroid nodules with undetermined cytology in an area of borderline iodine deficiency. Tonacchera M, Agretti P, Rago T, De Marco G, Niccolai F, Molinaro A, Scutari M, Candelieri A, Conforti D, Musmanno R, Di Coscio G, Basolo F, Iacconi P, Miccoli P, Pinchera A, Vittì P. *J Endocrinol Invest.* 2012 Sep;35(8):754-9. 1) Identification and functional analysis of novel dual oxidase 2 (DUOX2) mutations in children with congenital or subclinical hypothyroidism. De Marco G, Agretti P, Montanelli L, Di Cosmo C, Bagattini B, De Servi M, Ferrarini E, Dimida A, Freitas Ferreira AC, Molinaro A, Ceccarelli C, Brozzi F, Pinchera A, Vittì P, Tonacchera M. *J Clin Endocrinol Metab.* 2011 Aug; 96(8).

Projects

Memberships

Other Relevant Information

Referee for International Scientific Journals Scientific Reports (Nature group); Journal of Thyroid Research (Hindawi group). Bibliometrics: _ Papers published on peer_reviewed journals: 15. _ As first Author: 4. _ Total citations of published papers: 178 (Web of Science). _ h_index: 8 (Web of Science). Awards: Italian Society of Endocrinology (SIE) Best Oral Poster Presentation Gold Award for the presentation held at the SIE 38th National Meeting (Taormina _ Italy, May 2015) with the presentation entitled: Morphological and molecular characterization of early thyroid morphogenesis in zebrafish embryos. Italian Society of Endocrinology (SIE) Best Poster Presentation Award for the presentation held at the SIE 39th National Meeting (Rome_ Italy, June 2017) with the poster entitled: Morphological and molecular characterization of early thyroid morphogenesis in zebrafish embryos.