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CURRICULUM VITAE
FORMAT



LIBORIO STUPPIA

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E-mail stuppia@unich.it
Country Italy
Date of birth 25/10/1960
Gender Male

BIBLIOMETRIC INDICATORS: *H-index (scopus):* 40
Total citations (scopus): 6053
Peer-reviewed publications: 321

ORCID: <https://orcid.org/0000-0002-6232-0996>

ASN Commissioner in the 2018/2021 period
Currently exceeds the thresholds of Commissioner in the S.S.D. MED/03, Medical Genetics

EDUCATION 1987: Degree in Medicine and Surgery summa cum laude, Chieti University Medical School
1990: Specialization in Haematology summa cum laude, Chieti University Medical School

**PERSONAL SKILLS AND
COMPETENCES**

Molecular Genetics – Epigenetics – Genetics of Human Reproduction – Genetics of inherited cancer – Next Generation Sequence – Viral genome sequencing

WORK EXPERIENCE

1982-1997: Technical Assistant, National Research Council (Cnr) Chieti
1990: Working Visitor, Human Genetics Unit, Medical Research Council, Edinburgh, Scotland, Uk
1996-2001: Researcher, Medical Genetics, G. D'annunzio Universty, Chieti-Pescara
2001-2007: Associate Professor, Medical Genetics, G. d'Annunzio University, Chieti-Pescara
From 2002: Head Of The Laboratory Of Molecular Genetics, Center for Advanced Sciences and Technology (CAST), "G. d'Annunzio" University.
From 2007: Full Professor, Medical Genetics, G. d'Annunzio University, Chieti-Pescara

NATIVE LANGUAGE(S)

ITALIAN

OTHER LANGUAGE(S)

ENGLISH

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

SOCIAL SKILLS AND COMPETENCES

- Ability in, interacting and maintaining positive professional and social relationship in international and multicultural environments.
- Team Work and Team management experiences, as evidenced by the several academic and national charges
- Experience as spoken person in international events (conferences and workshops)

ORGANISATIONAL SKILLS AND COMPETENCES

ACADEMIC AND NATIONAL ACTIVITIES AND ORGANIZATION:

2010-2012: Dean of the Faculty of Psychology, G. d'Annunzio University, Chieti-Pescara

2011-2015: Member of the Italian National Committee for Biosecurity, Biotechniques and Life Sciences.

2012-2017: Director of the Department of Psychological, Health and Territorial Sciences of the G. d'Annunzio University of Chieti-Pescara.

2018-2021: Member of the board of the Italian Society of Human Genetics (SIGU)

From 2020: Director of the Laboratory of Molecular Genetics, COVID 19 diagnosis, G. d'Annunzio University of Chieti - Pescara

From 2021: Dean of the School of Medicine and Health Sciences of the G. d'Annunzio University of Chieti-Pescara

GRANTS

1998: Telethon grant for the project "Fiber-FISH analysis of the Deleted in Azoospermia (DAZ) gene cluster in patients affected by idiopathic azoospermia" (Progetto n. E.692)

2003: MIUR grant for the PRIN project "Screening of candidate gene and identificato of novel loci associate to familiar hyperCKemia" .

2005: MIUR grant for the PRIN project "Influence of the oocyte maturation on the mechanisms involved in the regulation of the oocyte-embryo transition".

2015: MIUR grant fot the PRIN project "Environment, lifestyle and and iatrogenic effects on sperm DNA genetic and epigenetic modifications: consequences for male reproductive fitness".

ADDITIONAL INFORMATION

SELECTED PUBLICATIONS (LAST 3 YEARS)

1. Anaclerio F, Pilenzi L, Dell'Elice A, Ferrante R, Grossi S, Ferlito LM, Marinelli C, Gildetti S, Calabrese G, Stuppia L, Antonucci I. Clinical usefulness of NGS multi-gene panel testing in hereditary cancer analysis. *Front Genet.* 2023 Feb 1;14:1060504. doi: 10.3389/fgene.2023.1060504. PMID: 37065479; PMCID: PMC10104445.
2. Luongo FP, Luddi A, Ponchia R, Ferrante R, Di Rado S, Paccagnini E, Gentile M, Lupetti P, Guazzo R, Orrico A, Stuppia L, Piomboni P. Case report: The CCDC103 variant causes ultrastructural sperm axonemal defects and total sperm immotility in a professional athlete without primary ciliary dyskinesia. *Front Genet.* 2023 Jan 26;14:1062326. doi: 10.3389/fgene.2023.1062326. PMID: 36777727; PMCID: PMC9908957.
3. Franzago M, Alessandrelli E, Notarangelo S, Stuppia L, Vitacolonna E. Chrono-Nutrition: Circadian Rhythm and Personalized Nutrition. *Int J Mol Sci.* 2023 Jan 29;24(3):2571. doi: 10.3390/ijms24032571. PMID: 36768893; PMCID: PMC9916946.
4. Franzago M, Orecchini E, Porreca A, Mondanelli G, Orabona C, Dalla Ragione L, Di Nicola M, Stuppia L, Vitacolonna E, Beccari T, Ceccarini MR. SLC6A4 DNA Methylation Levels and Serum Kynurenine/Tryptophan Ratio in Eating Disorders: A Possible Link with Psychopathological Traits? *Nutrients.* 2023 Jan 13;15(2):406. doi: 10.3390/nu15020406. PMID: 36678277; PMCID: PMC9866524.
5. Vespa S, Del Biondo P, Simeone P, Cavallucci E, Catitti G, Auciello R, De Bellis D, Altomare I, Pierdomenico L, Canonico B, Cicalini I, Angilletta I, Del Boccio P, Pieragostino D, Santilli F, Urbani A, De Laurenzi V, Stuppia L, Lanuti P. Basophil Activation Test with Different Polyethylene Glycols in Patients with Suspected PEG Hypersensitivity Reactions. *Int J Mol Sci.* 2022 Nov 23;23(23):14592. doi: 10.3390/ijms232314592. PMID: 36498922; PMCID: PMC9740962.
6. Giannetti A, Pantalone A, Antonucci I, Verna S, Di Gregorio P, Stuppia L, Calvisi V, Buda R, Salini V. The Role of Platelet-Rich Plasma on the Chondrogenic and Osteogenic Differentiation of Human Amniotic-Fluid-Derived Stem Cells. *Int J Environ Res Public Health.* 2022 Nov 27;19(23):15786. doi: 10.3390/ijerph192315786. PMID: 36497861; PMCID: PMC9738099.
7. Kiani AK, Pheby D, Henahan G, Brown R, Sieving P, Sykora P, Marks R, Falsini B, Capodicasa N, Miertus S, Lorusso L, Dondossola D, Tartaglia GM, Ergoren MC, Dundar M, Michelini S, Malacarne D, Bonetti G, Dautaj A, Donato K, Medori MC, Beccari T, Samaja M, Connelly ST, Martin D, Morresi A, Bacu A, Herbst KL, Kapustin M, Stuppia L, Lumer L, Farronato G, Bertelli M; INTERNATIONAL BIOETHICS STUDY GROUP. Ethical considerations regarding animal experimentation. *J Prev Med Hyg.* 2022 Oct 17;63(2 Suppl 3):E255-E266. doi: 10.15167/2421-4248/jpmh2022.63.2S3.2768. PMID: 36479489; PMCID: PMC9710398.
8. Kiani AK, Bonetti G, Donato K, Kaftalli J, Herbst KL, Stuppia L, Fioretti F,

Nodari S, Perrone M, Chiurazzi P, Bellinato F, Gisondi P, Bertelli M. Polymorphisms, diet and nutrigenomics. *J Prev Med Hyg.* 2022 Oct 17;63(2 Suppl 3):E125-E141. doi: 10.15167/2421-4248/jpmh2022.63.2S3.2754. PMID: 36479483; PMCID: PMC9710387.

9: Kiani AK, Donato K, Dhuli K, Stuppia L, Bertelli M. Dietary supplements for polycystic ovary syndrome. *J Prev Med Hyg.* 2022 Oct 17;63(2 Suppl 3):E206-E213. doi: 10.15167/2421-4248/jpmh2022.63.2S3.2762. PMID: 36479481; PMCID: PMC9710389.

10: Kiani AK, Medori MC, Bonetti G, Aquilanti B, Velluti V, Matera G, Iaconelli A, Stuppia L, Connelly ST, Herbst KL, Bertelli M. Modern vision of the Mediterranean diet. *J Prev Med Hyg.* 2022 Oct 17;63(2 Suppl 3):E36-E43. doi: 10.15167/2421-4248/jpmh2022.63.2S3.2745. PMID: 36479477; PMCID: PMC9710405.

11: Pallotti F, Senofonte G, Konstantinidou F, Di Chiano S, Faja F, Rizzo F, Cargnelutti F, Krausz C, Paoli D, Lenzi A, Stuppia L, Gatta V, Lombardo F. Epigenetic Effects of Gender-Affirming Hormone Treatment: A Pilot Study of the ESR2 Promoter's Methylation in AFAB People. *Biomedicines.* 2022 Feb 16;10(2):459. doi: 10.3390/biomedicines10020459. PMID: 35203670; PMCID: PMC8962414.

12: Bonelli M, Rosato E, Locatelli M, Tartaglia A, Falco P, Petrarca C, Potenza F, Damiani V, Mandatori D, De Laurenzi V, Stuppia L, D'Ovidio C. Long persistence of severe acute respiratory syndrome coronavirus 2 swab positivity in a drowned corpse: a case report. *J Med Case Rep.* 2022 Feb 9;16(1):72. doi: 10.1186/s13256-022-03297-8. PMID: 35139890; PMCID: PMC8826670.

13: Stefanelli P, Trentini F, Guzzetta G, Marziano V, Mammone A, Sane Schepisi M, Poletti P, Molina Grané C, Manica M, Del Manso M, Andrianou X, Ajelli M, Rezza G, Brusaferrero S, Merler S; COVID-19 National Microbiology Surveillance Study Group. Co-circulation of SARS-CoV-2 Alpha and Gamma variants in Italy, February and March 2021. *Euro Surveill.* 2022 Feb;27(5):2100429. doi: 10.2807/1560-7917.ES.2022.27.5.2100429. PMID: 35115077; PMCID: PMC8815098.

14: Cristofoli F, Sorrentino E, Guerri G, Miotto R, Romanelli R, Zulian A, Cecchin S, Paolacci S, Miertus J, Bertelli M, Maltese PE, Chiurazzi P, Stuppia L, Castori M, Marceddu G. Variant Selection and Interpretation: An Example of Modified VarSome Classifier of ACMG Guidelines in the Diagnostic Setting. *Genes (Basel).* 2021 Nov 25;12(12):1885. doi: 10.3390/genes12121885. PMID: 34946832; PMCID: PMC8700904.

15: Kiani AK, Mor M, Bernini A, Fulcheri E, Michelini S, Herbst KL, Buffelli F, Belgrado JP, Kaftalli J, Stuppia L, Dautaj A, Dhuli K, Guda T, Manara E, Maltese PE, Michelini S, Chiurazzi P, Paolacci S, Ceccarini MR, Beccari T, Bertelli M. Steroid-converting enzymes in human adipose tissues and fat deposition with a focus on AKR1C enzymes. *Eur Rev Med Pharmacol Sci.* 2021 Dec;25(1 Suppl):23-32. doi: 10.26355/eurrev_202112_27330. PMID: 34890031.

16: Camilleri G, Kiani AK, Herbst KL, Kaftalli J, Bernini A, Dhuli K, Manara E, Bonetti G, Stuppia L, Paolacci S, Dautaj A, Bertelli M. Genetics of fat deposition. *Eur Rev Med Pharmacol Sci*. 2021 Dec;25(1 Suppl):14-22. doi: 10.26355/eurrev_202112_27329. PMID: 34890030.

17: Cicalini I, Rossi C, Natale L, Cufaro MC, Catitti G, Vespa S, De Bellis D, Iannetti G, Lanuti P, Bucci I, Stuppia L, De Laurenzi V, Pieragostino D. Passive Immunity to SARS-CoV-2 at Birth Induced by Vaccination in the First Trimester of Pregnancy. *Int J Environ Res Public Health*. 2021 Dec 3;18(23):12789. doi: 10.3390/ijerph182312789. PMID: 34886515; PMCID: PMC8657259.

18: Konstantinidou F, Budani MC, Sarra A, Stuppia L, Tiboni GM, Gatta V. Impact of Cigarette Smoking on the Expression of Oxidative Stress-Related Genes in Cumulus Cells Retrieved from Healthy Women Undergoing IVF. *Int J Mol Sci*. 2021 Dec 5;22(23):13147. doi: 10.3390/ijms222313147. PMID: 34884952; PMCID: PMC8658611.

19: Tommasi M, Sergi MR, Konstantinidou F, Franzago M, Pesce M, Fratta I, Grilli A, Stuppia L, Picconi L, Saggino A, Gatta V. Association of COMT, BDNF and 5-HTT functional polymorphisms with personality characteristics. *Front Biosci (Landmark Ed)*. 2021 Nov 30;26(11):1064-1074. doi: 10.52586/5009. PMID: 34856753.

20: Rossi C, Lanuti P, Cicalini I, De Bellis D, Pierdomenico L, Del Boccio P, Zucchelli M, Natale L, Sinjari B, Catitti G, Vespa S, Simeone P, Bologna G, Bucci I, Falasca K, Vecchiet J, Stuppia L, De Laurenzi V, Pieragostino D. BNT162b2 mRNA Vaccination Leads to Long-Term Protection from COVID-19 Disease. *Vaccines (Basel)*. 2021 Oct 12;9(10):1164. doi: 10.3390/vaccines9101164. PMID: 34696272; PMCID: PMC8538967.

21: Anaclerio F, Ferrante R, Mandatori D, Antonucci I, Capanna M, Damiani V, Tomo PD, Ferrante R, Ranaudo M, De Laurenzi V, Stuppia L, De Fabritiis S. Different Strategies for the Identification of SARS-CoV-2 Variants in the Laboratory Practice. *Genes (Basel)*. 2021 Sep 16;12(9):1428. doi: 10.3390/genes12091428. PMID: 34573410; PMCID: PMC8467753.

22: Franzago M, Di Nicola M, Fraticelli F, Marchioni M, Stuppia L, Vitacolonna E. Nutrigenetic variants and response to diet/lifestyle intervention in obese subjects: a pilot study. *Acta Diabetol*. 2022 Jan;59(1):69-81. doi: 10.1007/s00592-021-01787-7. Epub 2021 Sep 3. PMID: 34480216; PMCID: PMC8758637.

23: Lanuti P, Rossi C, Cicalini I, Pierdomenico L, Damiani V, Semeraro D, Verrocchio S, Del Boccio P, Evangelista A, Sarra A, Zucchelli M, Bologna G, Simeone P, Catitti G, Di Marco F, Stefanetti S, Vespa S, Sinjari B, Bucci I, De Laurenzi V, Di Battista T, Stuppia L, Pieragostino D. Picture of the Favourable Immune Profile Induced by Anti-SARS-CoV-2 Vaccination. *Biomedicines*. 2021 Aug 18;9(8):1035. doi: 10.3390/biomedicines9081035. PMID: 34440239; PMCID: PMC8391252.

24: Cicalini I, Valentinuzzi S, Pieragostino D, Consalvo A, Zucchelli M, Donzelli S, Ambrogi D, Brown HA, Calton LJ, Stuppia L, De Laurenzi V, Del Boccio P, Rossi C. Analytical Evaluation of the Ideal Strategy for High-Throughput Flow Injection Analysis by Tandem Mass Spectrometry in Routine Newborn Screening.

- Metabolites. 2021 Jul 22;11(8):473. doi: 10.3390/metabo11080473. PMID: 34436414; PMCID: PMC8399422.
- 25: Kingsbury C, Stuppia L. Stem cell secretome derived from human amniotic fluid affords neuroprotection in an ischemic model. *Brain Circ.* 2021 Mar 30;7(1):18-22. doi: 10.4103/bc.bc_8_21. PMID: 34084972; PMCID: PMC8057106.
- 26: Bramanti SM, Trumello C, Lombardi L, Cavallo A, Stuppia L, Antonucci I, Babore A. Uncertainty following an inconclusive result from the BRCA1/2 genetic test: A review about psychological outcomes. *World J Psychiatry.* 2021 May 19;11(5):189-200. doi: 10.5498/wjp.v11.i5.189. PMID: 34046315; PMCID: PMC8134867.
- 27: Damiani V, Mandatori D, De Fabritiis S, Bibbò S, Ferrante R, Di Giuseppe F, Ruggieri AG, Di Camillo C, Buccolini C, Pizzi D, Fazii P, Stuppia L, De Laurenzi V. Severe acute respiratory coronavirus virus 2 (SARS-CoV-2) infection in asymptomatic vaccinated healthcare workers. *Infect Control Hosp Epidemiol.* 2021 Nov;42(11):1390-1391. doi: 10.1017/ice.2021.224. Epub 2021 May 10. PMID: 33966665; PMCID: PMC8220020.
- 28: Appignani M, Khanji MY, Arbustini E, Stuppia L, Ceriello L, Girolamo ED, Mantini C, Gallina S, Chahal CAA, Ricci F. Is Occult Genetic Substrate the Missing Link Between Arrhythmic Mitral Annular Disjunction Syndrome and Sudden Cardiac Death? *Can J Cardiol.* 2021 Oct;37(10):1651-1653. doi: 10.1016/j.cjca.2021.04.014. Epub 2021 Apr 29. PMID: 33933609.
- 29: Franzago M, Sabovic I, Franchi S, De Santo M, Di Nisio A, Luddi A, Piomboni P, Vitacolonna E, Stuppia L, Foresta C. Sperm DNA Methylation at Metabolism-Related Genes in Vegan Subjects. *Front Endocrinol (Lausanne).* 2021 Mar 9;12:633943. doi: 10.3389/fendo.2021.633943. PMID: 33767672; PMCID: PMC7985526.
- 30 Kiani AK, Paolacci S, Calogero AE, Cannarella R, Di Renzo GC, Gerli S, Della Morte C, Busetto GM, De Berardinis E, Del Giudice F, Stuppia L, Facchinetti F, Dinicola S, Bertelli M. From Myo-inositol to D-chiro-inositol molecular pathways. *Eur Rev Med Pharmacol Sci.* 2021 Mar;25(5):2390-2402. doi: 10.26355/eurrev_202103_25279. PMID: 33755975.
- 31: Franzago M, Fraticelli F, Marchioni M, Di Nicola M, Di Sebastiano F, Liberati M, Stuppia L, Vitacolonna E. Fat mass and obesity-associated (FTO) gene epigenetic modifications in gestational diabetes: new insights and possible pathophysiological connections. *Acta Diabetol.* 2021 Aug;58(8):997-1007. doi: 10.1007/s00592-020-01668-5. Epub 2021 Mar 20. PMID: 33743080; PMCID: PMC8272710.
- 32: Precone V, Cannarella R, Paolacci S, Busetto GM, Beccari T, Stuppia L, Tonini G, Zulian A, Marceddu G, Calogero AE, Bertelli M. Male Infertility Diagnosis: Improvement of Genetic Analysis Performance by the Introduction of Pre-Diagnostic Genes in a Next-Generation Sequencing Custom-Made Panel. *Front Endocrinol (Lausanne).* 2021 Jan 26;11:605237. doi: 10.3389/fendo.2020.605237. PMID: 33574797; PMCID: PMC7872015.

33: Cicalini I, Pieragostino D, Rizzo C, Verrocchio S, Semeraro D, Zucchelli M, Di Michele S, Dionisi-Vici C, Stuppia L, De Laurenzi V, Bucci I, Rossi C. Partial Biotinidase Deficiency Revealed Imbalances in Acylcarnitines Profile at Tandem Mass Spectrometry Newborn Screening. *Int J Environ Res Public Health*. 2021 Feb 9;18(4):1659. doi: 10.3390/ijerph18041659. PMID: 33572391; PMCID: PMC7916230.

34: Garolla A, Pizzol D, Carosso AR, Borini A, Ubaldi FM, Calogero AE, Ferlin A, Lanzone A, Tomei F, Engl B, Rienzi L, De Santis L, Coticchio G, Smith L, Cannarella R, Anastasi A, Menegazzo M, Stuppia L, Corsini C, Foresta C. Practical Clinical and Diagnostic Pathway for the Investigation of the Infertile Couple. *Front Endocrinol (Lausanne)*. 2021 Jan 19;11:591837. doi: 10.3389/fendo.2020.591837. PMID: 33542705; PMCID: PMC7851076.

35: Peretti U, Cavaliere A, Niger M, Tortora G, Di Marco MC, Rodriquenz MG, Centonze F, Rapposelli IG, Giordano G, De Vita F, Stuppia L, Avallone A, Ratti M, Paratore C, Forti LG, Orsi G, Valente MM, Gaule M, Macchini M, Carrera P, Calzavara S, Simbolo M, Melisi D, De Braud F, Salvatore L, De Lorenzo S, Chiarazzo C, Falconi M, Cascinu S, Milella M, Reni M. Germinal BRCA1-2 pathogenic variants (gBRCA1-2pv) and pancreatic cancer: epidemiology of an Italian patient cohort. *ESMO Open*. 2021 Feb;6(1):100032. doi: 10.1016/j.esmoop.2020.100032. Epub 2021 Jan 4. PMID: 33399070; PMCID: PMC7807989.

36: Moscatello C, Di Nicola M, Veschi S, Di Gregorio P, Cianchetti E, Stuppia L, Battista P, Cama A, Curia MC, Aceto GM. Relationship between *MUTYH*, *OGG1* and *BRCA1* mutations and mRNA expression in breast and ovarian cancer predisposition. *Mol Clin Oncol*. 2021 Jan;14(1):15. doi: 10.3892/mco.2020.2177. Epub 2020 Nov 26. PMID: 33343895; PMCID: PMC7725208.

37: Centurione L, Centurione MA, Antonucci I, Sancilio S, Stati G, Stuppia L, Di Pietro R. Human amniotic fluid stem cells are able to form embryoid body-like aggregates which performs specific functions: morphological evidences. *Histochem Cell Biol*. 2021 Mar;155(3):381-390. doi: 10.1007/s00418-020-01940-3. Epub 2020 Nov 21. PMID: 33219831; PMCID: PMC8021515.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

Italian Society of Human Genetics (SIGU);

European Society of Human Genetics (ESHG)

Italian Society of Embriology, Reproduction and Research (SIERR)

April, 21,2023

Prof. Liborio Stuppia

A handwritten signature in black ink, appearing to read 'Stuppia', written in a cursive style.

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this

