europass Curriculum Vitae

CONTACT INFORMATION

Amato Felice

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Sex: Male | **Date of birth:** 29/12/1974 | **Nationality:** Italian

Research field: study of molecular markers and use of advanced technologies for the analysis of genomic abnormalities for the diagnosis of human genetic diseases. My research focuses on the study of genetic diseases, mainly Cystic Fibrosis and Congenital Diarrhea. In particular, our aim is the study of pre and post transcriptional regulation of the *CFTR* gene, with particular attention to non-coding regions of the gene, such as the promoter, 3'UTR and intronic regions. Furthermore, I work on the development of methodologies for the functional evaluation of the CFTR protein, both for research, diagnosis and drug screening purposes. In this context, a small amount of nasal epithelium cells (HNEC) are brushed directly from patients for electrophysiology studies by Ussing chamber.
Finally, I am working on genome-editing systems, based on Crispr/Cas9 technology, with particular attention to the efficiency and off-target aspects of this powerful technology.

WORK EXPERIENCE

CURRENTLY: **Associate professor** in Technical Sciences of Laboratory Medicine. University of Naples Federico II Italy

2016-2019 Researcher (Fixed-Term art. 24, comma 3, **lett.b**, della legge n.240/2010), University of Naples Federico II Italy

2012-2016 Researcher (Fixed-Term art. 24, comma 3, **lett.a**, della legge n.240/2010), University of Naples Federico II Italy

2009-2010 Research fellow, Dept. of Biochemistry and Medical Biotechnology (DBBM) - University of Naples Federico II, Naples (Italy)

EDUCATION AND TRAINING

2016 Specialization in Clinical Biochemistry. - Class of Diagnostic and Laboratory Medicine, University of Naples Federico II

2008 PhD in Molecular Medicine - European School of Molecular Medicine (SEMM), Naples - CE.IN.GE.- Advanced Biotechnologies, Naples (Italy)

2004-2006 Foreign laboratory PhD training in Organogenesis and Genetics Laboratory, Hospital For Special Surgery, New York City (USA)

2003 Qualification to practice the profession of biologist, University of Palermo, Palermo (Italy)

2003 Master's Degree cum laude in Biological Sciences, University of Palermo, Palermo (Italy)**,** Training in the field of Molecular Biology, Genetics, Microbiology and Biology in general

ACADEMIC ACTIVITY

- **2011-2013**: teacher of "Metabolism and Clinical Biochemistry of Additives and Residues", Degree course in Biotechnology for Health, University of Naples "Federico II".
- **2013-2016**: teacher of "Metabolism and Diagnostic Techniques of Additives and Residues", Degree course in Biotechnology for Health, University of Naples "Federico II".
- **2015-2019**: teacher of "Laboratory Medicine Methodologies" Degree course in Medical Biotechnologies, University of Naples "Federico II".
- **2015-2019**: teacher of "Diagnostic Techniques of Clinical Molecular Biology" Degree course of Biomedical Laboratory Technician - Pascale Institute, Naples

PARTNER IN FUNDED RESEARCH PROJECTS

2020 - Project FFC#1/2020. Peptide-nucleic acids as potential CFTR amplifier molecules for cystic fibrosis treatment. Funded by Italian Cystic Fibrosis Research Fondation-Onlus- Verona,Italy (Principal Investigator).
2020 - Project FFC#8/2020. Establishment of Conditionally Reprogrammed Airway Epithelial Stem Cell cultures from nasal epithelia of Cystic Fibrosis patients: exploring response to CFTR-modulating drugs for correlation with genetic profile (theratyping) and restoring CFTR function through gene editing approaches. Funded by Italian Cystic Fibrosis Research Fondation-Onlus- Verona,Italy (External Collaborator).

2013.-.Project FFC#7/2013. Nasal epithelial cells as a novel diagnostic approach for cystic fibrosisand CFTR related-disorders. Funded by Italian Cystic Fibrosis Research Fondation-Onlus- Verona,Italy (partecipant).

2010 – Project FARO2010. Effect of microRNA (miRNA) and Nucleic Acids-Peptides (PNAs) on the expression of CFTR. Funded by Compagnia di San Paolo and Polo of Sciences and Technologies for Life of University of Naples Federico II (participant).

2008 – Project FFC#4/2008. Search of novel regulatory elements in the promoter region of CFTR gene. Funded by Italian Cystic Fibrosis Research Fondation-Onlus- Verona, Italy (participant)

MEMBERSHIPS

SiBioC – Italian Society of Clinical Biochemistry and Clinical Molecular Biology, www.sibioc.it

ONB - Ordine Nazionale dei Biologi, www.onb.it

SIFC – Member of Research Committee of Italian Society of Cystic Fibrosis Research, www.sifc.it

SIFC – Member of Genetic Committee of Italian Society of Cystic Fibrosis Research,, www.sifc.it

S.I.R.T.E.P.S. Italian Society of Translational Research and health care professions.

PROFESSIONAL SKILLS

Excellent knowledge of recombinant DNA techniques, PCR, Real Time PCR, Digital-PCR, Site-Directed Mutagenesis, EMSA, protein expression in eukaryotic and prokaryotic systems, study of protein-protein, DNA-protein interaction study, immunocytochemistry techniques, cultures cell (both of cell lines and primary human and murine cells), production of lentiviral vectors, techniques of phenotypic characterization of transgenic murine models and in particular: colonies maintenance, embryo coupling and collection, morphological analysis of the skeleton. Electrophysiology studies by Ussing chamber.

IT SKILLS

Word editor: in-depth knowledge of Windows applications and Office Word, Excel, PowerPoint tools and OpenOffice equivalents. Excellent knowledge of bibliographic software such as EndNote, Statview for statistical calculations. Excellent knowledge of software for the analysis and editing of DNA sequences, such as: The Lasergene package (SeqBuild, MegAlign, Protean, PrimerSelect), PrimerExpress, NetGene2, CodonCode. Image editing software such as: PhotoShop, CorelDraw, Gimp and ImageJ.

Browser and Internet: in-depth knowledge of Internet Explorer, Mozilla Firefox, Google Chrome; basic knowledge of Safari; excellent navigation skills and knowledge of the main social networks.
Operation System: in-depth knowledge of Windows (3.1 / 95/98 / Me / Xp / Vista) and Ubuntu (Linux) basic knowledge of MAC OSx

PUBLICATIONS

Bibliometry (Google Scholar data). H-index: 16. Total citations: 667.
Google Scholar: https://scholar.google.it/citations?hl=it&user=KlcmXBgAAAAJ
ORCID 0000-0002-0596-2933

1. Di Lullo A.M, Iacotucci P, Comegna M, **Amato F**, Dolce P, Castaldo G, Cantone E, Carnovale V, Iengo M. Cystic Fibrosis: The Sense of Smell. American Journal of Rhinology & Allergy, Agosto 2019

2. **Amato, F**, Scudieri, P, Tomati, V, Comegna, M, Maietta, S, Manzoni, F, Di Lullo, A.M, De Wachter E, Vanderhelst E, Terlizzi V, Braggion C, Castaldo G, Galietta, L. J. V. Two CFTR mutations within codon 970 differently impact on the chloride channel functionality. Human Mutation, 2019 1–7.

3. Comegna M, **Amato F**, Liguori R, Berni Canani R, Spagnuolo MI, Morroni M, Guarino A, Castaldo G. Two cases of microvillous inclusion disease caused by novel mutations in MYO5B gene. Clinical Case Report 2018, 1-6

4. Tomati V, Pesce E, Caci E, Sondo E, Scudieri P, Marini M, **Amato F**, Castaldo G, Ravazzolo R, Galietta LJV, Pedemonte N. High-throughput screening identifies FAU protein as a regulator of mutant cystic fibrosis transmembrane conductance regulator channel. JBC 2017 M117. 816595

5. Elce A, **Amato F**, Zarrilli F, Calignano A, Troncone R, Castaldo G, Berni Canani R. Butyrate modulating effects on pro-inflammatory pathways in human intestinal epithelial cells. Beneficial Microbes 2017 8 (5), 841-847

6. Zarrilli F, **Amato F**, Morgillo CM, Pinto B, Santarpia G, Borbone N, D'Errico S, Catalanotti B, Piccialli G, Castaldo G, Oliviero G. Peptide nucleic acids as miRNA target protectors for the treatment of cystic fibrosis. Molecules 2017 22 (7), 1144

7. Zarrilli F, Coppola A, Schiavulli M, Cimino E, Elce A, Rescigno A, Castaldo G, **Amato F**. Haemophilia A: the consequences of de novo mutations. Two case reports. Blood Transfusion 2017

8. Di Lullo AM, Scorza M, **Amato F**, Comegna M, Raia V, Maiuri L, Ilardi G, Cantone E, Castaldo G, Iengo M. An "ex vivo model" contributing to the diagnosis and to the evaluation of new drugs in cystic fibrosis. Acta Otorhinolaryngol Ital. 2016 37 (3), 207

9. **Amato F**, Cardillo G, Liguori R, Scorza M, Comegna M, Elce A, Giordano S, Lucaccioni L, Lugli L, Cardile S, Romano C, Pezzella V, Castaldo G, Berni Canani R. Twelve novel mutations in the slc26a3 gene in 17 sporadic cases of congenital chloride diarrhea. J Pediatr Gastroenterol Nutr. 2016 65 (1), 26-30

10. Terlizzi V, Castaldo G, Salvatore D, Lucarelli M, Raia V, Angioni A, Carnovale V, Cirilli N, Casciaro R, Colombo C, Di Lullo AM, Elce A, Iacotucci P, Comegna M, Scorza M, Lucidi V, Perfetti A, Cimino R, Quattrucci S, Seia M, Sofia VM, Zarrilli F, **Amato F**. Genotype-phenotype correlation and functional studies in patients with cystic fibrosis bearing cftr complex alleles. J Med Genet. 2016 54 (4), 224-235

11. Elce A, Di Lullo AM, **Amato F**, Liguori R, Zarrilli F, Castaldo G. Cystic fibrosis, molecular genetics for all life. Journal of Pediatric and Neonatal Individualized Medicine 2015; 4 (2), e040252

12. Castaldo G and **Amato F**. Editorial Comment to p. Leu636Pro mutation is associated with cystic fibrosis transmembrane conductance regulator-related disorders (congenital bilateral absence of vas deferens) Int J Urol. 2015 Aug;22(8):804

13. Bellia C, Bivona G, Caruso A, Elce A, **Amato F**, Spataro R, Colletti T, Pivetti A, Russo V, Scazzone V, Lo Sasso B, Castaldo G, La Bella V, Ciaccio M. MTHFR C677T allelic variant is not associated with plasma and cerebrospinal fluid homocysteine in amyotrophic lateral sclerosis. Clin Chem Lab Med. 2015; 53 (3), e73-e75

14. Zarrilli F, **Amato F**, Keller S, Florio E, Carli V, Stuppia L, Sarchiapone M, Chiariotti L, Castaldo G, Tomaiuolo R. Tropomyosin-related kinase B receptor polymorphisms and isoforms expression in suicide victims. Psychiatry Res. 2014; 220 (1-2), 725-6

15. Tomaiuolo R, Bellia C, Di Micco P, Elce A, **Amato F**, Lo Sasso B, Zarrilli F, Ciaccio, M, Castaldo G. The implication of MBL deficient haplotypes in acute coronary syndrome. Exp Clin Cardiol. 2014; 20 (8) 2716-2719

16. Liguori R, Quaranta S, Di Fiore R, Elce A, Castaldo G, **Amato F**. A novel polymorphism in the PAI-1 gene promoter enhances gene expression. A novel pro-thrombotic risk factor? Thromb Res. 2014; 134(6):1229-33.

17. Scorza M, Elce A, Zarrilli F, Liguori R, **Amato F**, Castaldo G. Genetic diseases that predispose to early liver cirrhosis. Int J Hepatol 2014; 713754.

18. **Amato F.**, Tomaiuolo R., Nici F., Borbone N., Elce A., Catalanotti B., D'Errico S., Morgillo C. M., De Rosa G., Mayol L., Piccialli G., Oliviero G. and Castaldo G. Exploitation of a very small peptide nucleic acid as a new inhibitor of miR-509-3p involved in the regulation of cystic fibrosis disease-gene expression. Biomed Res Int. 2014; 6110718

19. **Amato F**, Tomaiuolo R, Borbone N, Elce A, Amato J, D'Errico S, De Rosa G, Mayol L, Piccialli G, Oliviero G and Castaldo G. Design, synthesis and biochemical investigation, by in vitro luciferase reporter system, of peptide nucleic acids as new inhibitors of miR-509-3p involved in the regulation of cystic fibrosis disease-gene expression. Med Chem Commun 2014; 5, 68-71

20. Berni Canani R, Terrin G, Elce A, Pezzella V, Heinz-Erian P, Pedrolli A, Centenari C, **Amato F**, Tomaiuolo R, Calignano A, Troncone R, Castaldo G. Genotype-dependency of butyrate efficacy in children with congenital chloride diarrhea. Orphanet J Rare Dis 2013; 8, 194

21. Scorza M, Elce A, Giordano S, **Amato F**, Lo Sasso B, Zarrilli F, Tomaiuolo R. Identification And Characterization Of Mutations In Regulatory Regions Of Cystic Fibrosis Disease Gene. Biochimica Clinica 2013; 37(6) 465-469

22. Zarrilli F, Elce A, Scorza M, Giordano S, **Amato F**, and Castaldo G. An Update on Laboratory Diagnosis of Liver Inherited Diseases. Biomed Res Int 2013: 697940

23. Giordano S, **Amato F**, Elce A, Monti M, Iannone C, Pucci P, Seia M, Angioni A, Zarrilli F, Castaldo G, Tomaiuolo R. Molecular and Functional Analysis of the Large 5' Promoter Region of CFTR Gene Revealed Pathogenic Mutations in CF and CFTR-Related Disorders. J Mol Diagn 2013; 15(3) 331-340.

24. **Amato F**, Seia M, Giordano S, Elce A, Zarrilli F, Castaldo G, Tomaiuolo R. Gene Mutation in MicroRNA Target Sites of CFTR Gene: A Novel Pathogenetic Mechanism in Cystic Fibrosis? PLoS One 2013; 8(3): e60448.

25. Terrin G, Tomaiuolo R, Passariello A, Elce A, **Amato F**, Di Costanzo M, Castaldo G, Canani RB. Congenital diarrheal disorders: an updated diagnostic approach. Int J Mol Sci 2012; 13(4): 4168-4185.

26. Barbaro V, Nardiello P, Castaldo G, Willoughby CE, Ferrari S, Ponzin D, **Amato F**, Bonifazi E, Parekh M, Calistri A, Parolin C, Di Iorio E. A novel de novo missense mutation in TP63 underlying germline mosaicism in AEC syndrome: Implications for recurrence risk and prenatal diagnosis. Am J Med Genet A. 2012; 158A(8):1957-61

27. **Amato F**, Bellia C, Cardillo G, Castaldo G, Ciaccio M, Elce A, Lembo F, Tomaiuolo R. Extensive molecular analysis of patients bearing CFTR-related disorders. J Mol Diagn 2012; 14(1): 81-89.

28. Tomaiuolo R, Fausto M, Elce A, Strina I, Ranieri A, **Amato F**, Castaldo G, De Placido G, Alviggi C. Enhanced frequency of CFTR gene variants in couples who are candidates for assisted reproductive technology treatment. Clin Chem Lab Med 2011; 49(8): 1289-1293.

29. Keller S, Sarchiapone M, Zarrilli F, Tomaiuolo R, Carli V, Angrisano T, Videtic A, **Amato F**, Pero R, di Giannantonio M, Iosue M, Lembo F, Castaldo G, Chiariotti L. TrkB gene expression and DNA methylation state in Wernicke area does not associate with suicidal behavior. J Affect Disord 2011; 135(1-3) 400-404.

30. Fuccio A, Iorio M, Amato F, Elce A, Ingino R, Filocamo M, Castaldo G, Salvatore F, Tomaiuolo R. A novel DHPLC-based procedure for the analysis of COL1A1 and COL1A2 mutations in osteogenesis imperfecta. J Mol Diagn 2011; 13(6): 648-656.

31. Cerreto M, Cavaliere P, Carluccio C, **Amato F**, Zagari A, Daniele A, Salvatore F. Natural phenylalanine hydroxylase variants that confer a mild phenotype affect the enzyme's conformational stability and oligomerization equilibrium. Biochim Biophys Acta 2011; 1812(11): 1435-1445.

32. Perconti G, Ferro A, **Amato F**, Rubino P, Randazzo D, Wolff T, Feo S, Giallongo A.. The kelch protein NS1-BP interacts with alpha-enolase/MBP-1 and is involved in c-Myc gene transcriptional control. Biochim Biophys Acta 2007; 1773(12): 1774-1785.

NATIONAL AND INTERNATIONAL CONFERENCE COMUNICATIONS

1. **Amato F,** Functional characterisation of CFTR complex alleles. 43rd European Cystic Fibrosis Conference, Lyon, France, 3-6 June 2020 **Invited Speaker**
2. **Amato F,** Rare mutations in Cystic Fibrosis: from molecular diagnosis to clinical applications. European Cystic Fibrosis Society Basic Science conference, Albufeira, Portugal, 25-28 Marzo 2020 **Invited Speaker**
3. **Amato F**, The importance of functional studies in Cystic Fibrosis: from molecular diagnosis to clinical application. 2nd Edition of Euro-Global Conference on Pediatrics and Neonatology" (EPN 2019), Londra, UK, 23-25 September, 2019 **Invited Speaker**
4. **Amato F**, An ex-vivo Model to Evaluate the Effect of Molecular Drugs in patients with Cystic Fibrosis. Primo Meeting Nazionale S.I.R.T.E.P.S. Roma 21 Giugno 2019 **Invited Speaker**

5. **Amato F**, An Ex-vivo models to evaluate the effect of molecular drugs: from molecular diagnosis to clinical application. WORKSHOP "Novel Strategies in Anticancer Therapy and Diagnostics. CESTEV 29 Maggio 2019, Napoli. **Invited Speaker**
6. **Amato F**, Scudieri P, Musante I, Tomati V, Caci E, Comegna M, Maietta S, Manzoni F, Di Lullo AM, De Wachter E, Vanderhelst E, Terlizzi V, Braggion C, Castaldo G, Galietta LJV. The role of functional studies in the diagnosis and treatment of Cystic Fibrosis: comparing the case of the G970D and G970R mutation. XXIV congresso italiano della fibrosi cistica XIV congresso nazionale della società italiana per lo studio della fibrosi cistica Salerno, Grand Hotel, 8-10 Novembre 2018 **Selected for oral comunication.**
7. Sofia VM, Surace C, **Amato F**, Tomaiuolo AC, Genovese S, Alghisi F, Majo F, Lucidi V, Novelli A, Castaldo G, Angioni A. Conversione genica fra i geni codificanti il tripsinogeno PRSS1 e PRSS2: un evento ricombinante raro in due pazienti pediatrici. XXII congresso italiano della fibrosi cistica XII congresso nazionale della società italiana per lo studio della fibrosi cistica Salerno, Grand Hotel, 9-12 Novembre 2016 **Selected for oral comunication.**
8. Pinto B, Oliviero G, Borbone N, D'Errico S, Nici F, Santarpia G, Morgillo CM, Catalanotti B, **Amato F**, Castaldo G and Piccialli G. Target Protector PNA: a new tool in Cystic Fibrosis treatment, Convegno Nazionale della Divisione di Chimica dei Sistemi Biologici (Italian Chemistry Society), Verona, 21-23 Settembre, 2016, **Selected for oral comunication.**
9. Di Lullo AM, **Amato F**, Iacotucci P, Carnovale V, Cantone E, Iengo M, Castaldo G. Olfactory performance in Cystic Fibrosis patients. 2nd Italian Young Investigator meeting in Cystic Fibrosis, Roma, Piram Hotel, 15-16 Aprile 2016 **Selected for oral comunication.**
10. Comegna M, **Amato F**, Liguori R, Di Lullo AM, Di Bernardo N, Cimino F, Faraonio R, Castaldo G. Clinical implication of cellular senescence on CFTR expression. 2nd Italian Young Investigator meeting in Cystic Fibrosis, Roma, Piram Hotel, 15-16 Aprile 2016 **Selected for oral comunication.**
11. **Amato F**, Nici F, Oliviero G, Piccialli G, Castaldo G MicroRNA come target terapeutici per il trattamento della fibrosi cistica. XXI congresso italiano della fibrosi cistica XI congresso nazionale della società italiana per lo studio della fibrosi cistica Bari, Palace Hotel, 11-14 Novembre 2015. **Selected for oral comunication.**
12. **Amato F.** Epigenetica, diagnostica e terapia della fibrosi cistica. V congresso interregionale Sibioc sicilia-campania–sardegna 4-5 dicembre 2014. **Invited Speaker**
13. **Amato F**, Seia M, Giordano S, Elce A, Zarrilli F, Castaldo G, Tomaiuolo R. Gene mutation in microRNA target sites of CFTR gene: a novel pathogenetic mechanism in Cystic Fibrosis? EuroMedLab 2013, 19-23 Maggio, Milano. **Selected for oral comunication.**

OTHER PROCEEDINGS

1. Comegna M, Manzoni F, Maietta S, Cernera G, Zarrilli F, Castaldo G, **Amato F**. Quantification of CRISPR/Cas9 CFTR gene editing events using droplet digital PCR. XXIV congresso italiano della fibrosi cistica XIV congresso nazionale della società italiana per lo studio della fibrosi cistica Salerno, Grand Hotel, 8-10 Novembre **2018**
2. Genovese M, Scudieri P, Venturini A, Musante I, Ferrera L, Bandiera T, **Amato F**, Galietta LJV. Development of a high-throughput screen for the discovery of TMEM16A modulators. The 32nd Annual North American Cystic Fibrosis Conference, Colorado Convention Center, Denver, Colorado, October 18–20, **2018**
3. S. Giordano, A. Elce, M. Scorza, **F. Amato**, R. Liguori, R. Tomaiuolo. Ricerca di fattori trascrizionali allele specifici per due nuove varianti riscontrate nelle CST di CFTR. 4° Congresso Interregionale SIBioC, Sorrento (NA), 9-11 ottobre **2013**
4. R. Liguori, **F. Amato**, R. Tomaiuolo, S. Giordano, M. Scorza, A. Elce, F. Zarrilli. Analisi molecolare della nuova variante allelica T4G nella regione 4G/5G del promotore del gene PAI-I. 4° Congresso Interregionale SIBioC, Sorrento (NA), 9-11 ottobre **2013**

5. A. Elce, M. Scorza, **F. Amato**, S. Giordano, F. Zarrilli, R. Liguori, G. Terrin, R. Berni Canani, R. Tomaiuolo, G. Castaldo. Valutazione degli effetti del butirrato sulla fisiologia intestinale mediante real-time PCR. 4° Congresso Interregionale SIBioC, Sorrento (NA), 9-11 ottobre **2013**
6. S. Giordano, **F. Amato**, A. Elce, M. Scorza, M. Seia, A. Angioni, F. Zarrilli, G. Castaldo, R. Tomaiuolo. Molecular and functional analysis of the promoter region of CFTR gene in CF and CFTR-realated Disorders patients. EuroMedLab 2013, 19-23 May, Milan, Italy.
7. A. Elce, M. Scorza, **F. Amato**, G. Terrin, R. Berni Canani, R. Tomaiuolo. Evaluation Of Butyrate Efficacy In Treatment Of Congenital Chloride Diarrhea: From Genotype To Clinical Response. EuroMedLab 2013, 19-23 May, Milan, Italy.
8. A. Elce, S. Giordano, M. Scorza, **F. Amato**, G. Terrin, R. Berni Canani, R. Tomaiuolo. Genotype-Dependency Of Butyrate Efficacy In Congenital Chloride Diarrhea: A Comparison Between In Vivo And Ex-Vivo Study. 44° Congresso Nazionale Sibioc 2012, 5-7 Novembre, Roma, Italy.
9. **F. Amato**, R. Liguori, R. Di Fiore, S. Quaranta. Identification Of A Novel Variant T4G In The Promoter 4G/5G Region Of The PAI-1 Gene. 44° Congresso Nazionale Sibioc 2012, 5-7 Novembre, Roma, Italy.
10. Terrin G, Elce A, Castaldo G, Tomaiuolo R, Cardillo G, **Amato F**, Pedrolli A, Centenari C, Passariello A, Di Costanzo M, Troncone R, Berni Canani R. Epigenetic effects of butyrate in children with congenital chloride diarrhea: an in-vivo and in vitro study. 13-15 ottobre 2011, Padova. Pubblicato su Digestive and Liver Disease 43S, S407.
11. Castaldo G, **Amato F**, Elce A, Zarrilli F, Tomaiuolo R. C'è spazio per il laboratorio di Biologia Molecolare Clinica nell'anziano? 3° Congresso Interregionale Sezioni Regionali Campania, Sicilia,Sardegna. Napoli, 29-30 settembre 2011.
12. Tomaiuolo R, Marsia F, Elce A, Strina I, De Rosa P, **Amato F**, Castaldo G, De Placido G and Alviggi C. Maggiore frequenza di varianti geniche di cystic fibrosis Transmembrane regulator (CFTR) in coppie candidate a procedure di fecondazione *in vitro*. SIGO 2011, 25-28 Settembre, Palermo
13. Pucci P, Paolella G, TomaiuoloR, Zarrilli F, Cardillo G, Elce A, **Amato F**, Cozzolino M, Iannone C, Boccia A, Castaldo G. Cystic fibrosis: Study of non-coding regions of the CFTR gene and study of genes encoding CFTR interactors. Activity Report Ceinge 2007-2009, 24 Settembre 2011, Napoli
14. Terrin G, Elce A, Castaldo G, Pedrolli A, Centenari C, Cardillo G, **Amato F**, Tomaiuolo R, Passariello A, Di Costanzo M, Cosenza L, Salvatore F, Troncone R, Berni Canani R. Butyrate modulates epithelial DRA expression in children with Congenital Chloride Diarrhea. 44th Annual meeting of the EuropeanSociety of Paediatric Gastroenterology, Hepatology and Nutrition, 25-28 Maggio 2011, Sorrento (NA).
15. G. Terrin, A. Elce, G. Castaldo, R. Tomaiuolo, G. Cardillo, **F. Amato**, A. Pedrolli, C. Centenari, A. Passariello, M. Di Costanzo, R. Troncone, R. Berni Canani. Epigenetic Effects Of Butyrate In Children With Congenital Chloride Diarrhea: An In-Vivo And In-Vitro Study. Digestive and Liver Disease - DIG LIVER DIS 01/2011; 43. DOI:10.1016/S1590-8658(11)60635-X
16. Giordano S, **Amato F**, Elce A, Monti M, Iannone C, Pucci P, Castaldo G, Tomaiuolo R. Il ruolo del promotore del gene CFTR: da elemento regolativo a possibile protagonista nella patogenesi della malattia. 42° Congresso Nazionale SiBioC-2010
17. Elce A, Cardillo G, **Amato F**, Terrin G, Berni Canani R, Troncone R, Castaldo G, Tomaiuolo R. Un Modello "ex vivo" per lo studio degli effetti della terapia con butirrato in pazienti affetti da Cloridorrea Congenita. 42° Congresso Nazionale SiBioC-2010
18. Terrin G, Heinz-Erian P, Cardillo G, Cacace R, Vitale V, Cosenza L, Passariello A, **Amato F**, Tomaiuolo R, Castaldo G, Troncone R, and Berni Canani R. Butyrate as a novel therapy for congenital chloride diarrhea: a preliminary correlation between "in vivo" and "in vitro" results. 9-12 june ESPGHAN 2010, Istanbul, Turchia

19. Terrin G, Heinz-Erian P, Cardillo G, Cacace R, Vitale V, Cosenza L, Passariello A, **Amato F**, Tomaiuolo R, Castaldo G, Troncone R, and Berni Canani R. Genotype Influences Response To Butyrate Therapy In Children With Congenital Chloride Diarrhea. 9-12 june ESPGHAN 2010, Istanbul, Turchia.
20. G. Terrin, **F. Amato**, P. Heinz-Erian, G. Cardillo, R. Cacace, M. G. Martin, R. Tomaiuolo, A. Passariello, G. Castaldo, R. Troncone, R. Berni Canani. Genotype Predicts The Response To Therapy In Children With Congenital Chloride Diarrhea. Digestive and Liver Disease - DIG LIVER DIS 01/2010; 42. DOI:10.1016/S1590-8658(10)60649-4
21. Cardillo G, **Amato F**, Cacace R, Borrelli V, Terrin G, Passariello A, Berni Canani R, Castaldo G.Mistrafficking analysis of SLC26A3 protein mutants. 41° Congresso Nazionale SiBioC-2009
22. Cozzolino F, Monti M, Elce A, Tomaiuolo R, **Amato F**, Castaldo G, Pucci P. Identification of novel CFTR promoter regulatory elements. Italian Proteomics Association, 4th Annual National Conference, Milano 22-25 Giugno 2009
23. Cozzolino F, Monti M, Elce A, Tomaiuolo R, **Amato F**, Castaldo G, Pucci P. Identification of novel CFTR promoter regulatory elements. SIBBM Seminar, Napoli 4-6 Giugno 2009
24. Terrin G, **Amato F**, Passariello A, Cardillo G, Cacace R, Heinz-Erian P, Martin M, Tomaiuolo R, Castaldo G, Troncone R, and Berni Canani R. Mechanisms of action of Butyrate in Congenital Chloride Diarrhea (CLD). 3-5 june ESPGHAN 2009, Budapest, Ungheria.

I authorize the processing of personal data contained in my curriculum vitae based on art. 13 GDPR (EU Regulation 2016/679).