INFORMAZIONI PERSONALI

Morgan Anna

anna.morgan@burlo.trieste.it

ESPERIENZA PROFESSIONALE

16/06/2022–data attuale

Dirigente Biologo presso la S.C. Genetica Medica

IRCCS Materno Infantile Burlo Garofolo, Trieste (Italia)

09/03/2020–15/06/2022

Borsa di studio per il progetto Starting Grant (SG-2018-12367867)

IRCCS Materno Infantile Burlo Garofolo, Trieste (Italia)

Attività di ricerca inerente al progetto "*SLC7A8* a novel gene involved in late-onset hearing loss: from functional studies to drug discovery" finanziato dal Ministero della Salute

01/01/2017–31/12/2019

Assegno di Ricerca

Università degli Studi di Trieste, Trieste (Italia)

Progetto: *"Genetics of taste perception and its role in nutritional habits and obesity"* (contatto Prof. Paolo Gasparini)

01/01/2014–27/03/2017

Studente di Dottorato - Scuola di Dottorato in Scienze della Riproduzione e dello Sviluppo

Università degli Studi di Trieste, Trieste (Italia)

Tesi: "*Identification of new Hereditary Hearing Loss Genes using High-Throughput Sequencing Technologies*"

- Targeted Re-Sequencing (TRS) and Whole Exome Sequencing (WES) per l'identificazione di nuovi alleli/geni associati a sordità non sindromica
- Validazione di geni candidati tramite studi funzionali (studi in vitro , modelli animali, etc)

01/01/2015–20/07/2015

Visiting Student

MRC (Medical Reasearch Council) Harwell, Oxford (Regno Unito)

Tirocinio formativo di sette mesi per l'acquisizione di tecniche di biologia molecolare applicate allo studio della sordità in modelli animali (contatti Prof. Steve Brown and Dr. Mike Bowl).

07/2013

Visiting Student

CRG (Centre for Genomic Regulation), Barcelona (Spagna)

Preparazione di 96 librerie genomiche per Whole Exome Sequencing, nell'ambito del progetto di ricerca "NGS-presbyacusis", con lo scopo di identificare nuovi geni coinvolti nella presbiacusia (contatto Prof. Xavier Estivill).

01/03/2013–31/10/2013

Borsa di studio Telethon

Telethon - Prof. Adamo Pio D'Adamo, Trieste (Italia)

Progetto: "Systematic gene hunting for nuclear modifiers in Leber's hereditary optic neuropathy and their validation in model system."

01/04/2012–31/12/2012

Tirocinio di tesi magistrale presso il laboratorio di Genetica Medica

Università degli Studi di Trieste - Prof. Paolo Gasparini, Trieste (Italia)

Tesi: "Non-Syndromic Sensorineural Hearing Loss: research of new genes/mutations through Next Generation Sequencing."

- Sequenziamento tramite piattaforma SOLiD4

- Analisi di geni candidati per sordità neurosensoriale non sindromica

01/08/2010–31/10/2010

Borsa di studio presso il laboratorio di Genetica Medica

Università degli Studi di Trieste - Prof. Paolo Gasparini, Trieste (Italia)

Progetto: "Genetic park of Friuli Venezia Giulia and Silk Road (genotyping studies of isolated populations)."

01/03/2010–31/07/2010

Tirocinio di tesi triennale presso il laboratorio di Genetica Medica

Università degli Studi di Trieste - Prof Paolo Gasparini, Trieste (Italia)

Tesi: "Analisi molecolare in una coorte italiana di pazienti con Ipoglicemia Iperinsulinemica"

- Analisi di geni mediante PCR e sequenziamento Sanger
- Analisi di mutazioni causative di Iperinsulinismo Congenito

ISTRUZIONE E FORMAZIONE

02/05/2017–22/06/2021

Scuola di Specializzazione in Genetica Medica

Università degli Studi di Trieste, Trieste (Italia)

Tesi: " Clinical application of whole exome sequencing: dual molecular diagnosis in hearing loss patients".

Relatore: Prof. Paolo Gasparini

Co-relatore: Prof. Giorgia Girotto

01/01/2014–23/03/2017

Dottorato in Scienze della Riproduzione e dello Sviluppo

Università degli Studi di Trieste, Trieste (Italia)

Tesi: "Identification of new Hereditary Hearing Loss Genes using High-Throughput Sequencing Technologies".

Relatore: Prof. Paolo Gasparini

Lettori:

- Prof. Xavier Estivill (Sidra Medical and Research Center, Doha, Qatar)
- Dr. Annalisa Buniello (King's College, London, UK)

10/2010–12/2012

Laurea Specialistica in Biotecnologie Mediche

Università degli Studi di Trieste, Trieste (Italia)

Tesi: "Non-Syndromic Sensorineural Hearing Loss: research of new genes/mutations through Next Generation Sequencing".

Relatore: Prof. Paolo Gasparini

Voto finale: 110/110 cum laude.

10/2007–07/2010

Laurea Triennale in Biotecnolgie

Università degli Studi di Trieste, Trieste (Italia)

Tesi: "Analisi molecolare in una coorte italiana di pazienti con Ipoglicemia Iperinsulinemica"

Relatore: Prof. Paolo Gasparini

Voto finale: 110/110 cum laude

2002–2007

Diploma di maturità scientifica

Liceo Scientifico Marco Casagrande, Pieve di Soligo (TV) (Italia)

Voto finale: 100/100.

COMPETENZE PERSONALI

Lingua madre: italiano

Lingue straniere

	COMPRENSIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
inglese	B2	B2	B1	B1	B1

Livelli: A1 e A2: Utente base - B1 e B2: Utente autonomo - C1 e C2: Utente avanzato
Quadro Comune Europeo di Riferimento delle Lingue - Scheda per l'autovalutazione

Competenze professionali

- Estrazione di DNA genomico da sangue e saliva e Swab(BioRobot EZ1 Workstation (Qiagen), QIAamp DNA Mini kit (Qiagen), Oragene protocol, DNA Isolation kit (Isohelix))
- Estrazione di RNA totale da sangue e tessuto (Trizol, Directo-Zol RNA MiniPrep kit (Zymo Research), Qiagen RNeasy Plus Micro Kit (Qiagen), High Pure RNA Isolation Kit (Roche));
- Valutazione quantitativa e qualitativa di DNA genomico (Qubit, Nanodrop, gel di agarosio)
- Disegno Primer (Primer3) e Polymerase Chain Reaction (PCR)
- Sequenziatore Applied Biosystems 3500 Dx Genetic Analyzer: manutenzione ed utilizzo dello strumento
- Analisi di elettroferogrammi (Lasergene SeqMan, Lasegene SeqBuilder) e valutazione della patogenicità delle varianti individuate (Mutation Taster, Polyphen, SIFT, Condel, FruitFly, ecc.);
- SNPs genotyping tramite Taqman assays;
- Analisi di espressione genica tramite Real-time PCR;
- Analisi di Western Blot
- Preparazione di librerie per targeted resequencing con piattaforma Ion Torrent PGM e per esoma con piattaforma Illumina Hiseq2000
- Analisi di dati di next-generation sequencing e loro interpretazione

Competenze digitali

Buon utilizzo del pacchetto Microsoft Office (Word, Excel, PowerPoint).

ULTERIORI INFORMAZIONI

Pubblicazioni

67. Genes (Basel). 2026 Jul 24;17(8):856. doi: 10.3390/genes17080856.
Phenotypic Expansion of PPP1R12A-Related Syndrome: A Novel Splicing Variant Associated with Hearing Loss and Inner Ear Malformations.
Pianigiani G, Rosso LE, **Morgan A**, Spedicati B, Napoli M, Caraffi SG, Coccia E, Polizzi V, Garavelli L, Girotto G. PMID: 42650049; PMCID: PMC13512303.

66. Audiol Res. 2026 May 26;16(3):81. doi: 10.3390/audiolres16030081.
Presbycusis Across the Lifespan: Genetic, Molecular, and Multi-Omics Contributions.
Morgan A, Gasparini P, Girotto G. PMID: 42345621; PMCID: PMC13296334.

65. Biomedicines. 2025 Sep 11;13(9):2245. doi: 10.3390/biomedicines13092245.
Unraveling the Functional Impact of Splicing Variants in Inherited Hearing Disorders Through Minigene Splicing Assays.
Rosso LE, Pianigiani G, **Morgan A**, Rubinato E, Paccagnella E, Lenarduzzi S, Wischmeijer A, Spedicati B, Girotto G. PMID: 41007806; PMCID: PMC12467345.

64. Biomedicines. 2025 Aug 9;13(8):1949. doi: 10.3390/biomedicines13081949.
A Hitchhiker Guide to Structural Variant Calling: A Comprehensive Benchmark Through Different Sequencing Technologies.
Nardone GG, Andrioletti V, Santin A, **Morgan A**, Spedicati B, Concas MP, Gasparini P, Girotto G, Limongelli I. PMID: 40868203; PMCID: PMC12383524.

63. Biomedicines. 2025 Aug 5;13(8):1904. doi: 10.3390/biomedicines13081904.
Hidden in the Genome: The First Italian Family with North Carolina Macular Dystrophy Carrying a Novel PRDM13 and CCNC Duplication.
Spedicati B, Pasquetti D, Santin A, Zampieri S, **Morgan A**, Lenarduzzi S, Nardone GG, Paccagnella E, Cappellani S, Diplotti L, Pensiero S, Parentin F, Gasparini P, Battaglia Parodi M, Girotto G. PMID: 40868158; PMCID: PMC12383978.

62. Front Genet. 2025 May 19;16:1522338. doi: 10.3389/fgene.2025.1522338.

Normal hearing function genetics: have you heard all about it? An integrated approach of genome-wide association studies and transcriptome-wide association studies in three Italian cohorts.
Santin A, Pianigiani G, Gialluisi A, Pecori A, Spedicati B, Costanzo S, Persichillo M, Bracone F, Nardone GG, Tesolin P, Lenarduzzi S, **Morgan A**, De Curtis A, van der Valk W, Rousset F, Roccio M, Locher H, Iacoviello L, Concas MP, Girotto G. PMID: 40458558; PMCID: PMC12127661.

61. Int J Mol Sci. 2025 Apr 12;26(8):3670. doi: 10.3390/ijms26083670.
Uncovering a Novel Pathogenic Mechanism of *BCS1L* in Mitochondrial Disorders: Insights from Functional Studies on the c.38A>G Variant
Capaci V, Zupin L, Magistrati M, Bonati MT, Celsi F, Marrone I, Baldo F, Ura B, Spedicati B, **Morgan A**, Bruno I, Zeviani M, Dallabona C, Girotto G, Magnolato A.
PMID: 40332224

60.Am J Med Genet A. 2025 Apr;197(4):e63953. doi: 10.1002/ajmg.a.63953. Epub 2024 Dec 6.
Does It Run in Your Family? Inherited Truncating PSMD12 Variants Broaden the Phenotypic Spectrum of Stankiewicz-Isidor Syndrome.
Feresin A, Spedicati B, Zampieri S, **Morgan A**, Magnolato A, Tesser A, Tommasini A, Bonati MT, Girotto G, Faletra F.
PMID: 39641441

59.Mol Med. 2025 Mar 22;31(1):111. doi: 10.1186/s10020-025-01159-9.
Novel genetic determinants contribute to hearing loss in a central European cohort with enlarged vestibular aqueduct.
Bernardinelli E, Liuni R, Jamontas R, Tesolin P, **Morgan A**, Girotto G, Roesch S, Dossena S.
PMID: 40121402

58.Gene. 2025 Jan 15;933:148956. doi: 10.1016/j.gene.2024.148956. Epub 2024 Sep 21.
Chromoanagenesis of chromosome 22 in a subject with obesity and borderline cognitive performance.
Baldan F, Demori E, Gnan C, Passon N, Damante G, Mio C, Allegri L, **Morgan A**, Girotto G, De Paoli F, Limongelli I, Zucca S, Faletra F.
PMID: 39312981

57.Biomolecules. 2024 Dec 18;14(12):1626. doi: 10.3390/biom14121626.
In-Depth Phenotyping of PIGW-Related Disease and Its Role in 17q12 Genomic Disorder.
Feresin A, Lefebvre M, Sjøstrøm E, Zanus C, Paccagnella E, Bruno I, Valencic E, **Morgan A,** Tommasini A, Thauvin C, Bayat A, Girotto G, Musante L.
PMID: 39766333

56.Audiol Res. 2023 Dec 11;13(6):989-995. doi: 10.3390/audiolres13060086.
Which Came First? When Usher Syndrome Type 1 Couples with Neuropsychiatric Disorders
Tesolin P, Santin A, **Morgan A**, Lenarduzzi S, Rubinato E, Girotto G, Spedicati B
PMID: 38131811 PMCID: PMC10740809 DOI: 10.3390/audiolres13060086

55.Biomedicines. 2023 Jul 27;11(8):2122. doi: 10.3390/biomedicines11082122.
Puzzling Out the Genetic Architecture of Endometriosis: Whole-Exome Sequencing and Novel Candidate Gene Identification in a Deeply Clinically Characterised Cohort
Santin A, Spedicati B, **Morgan A**, Lenarduzzi S, Tesolin P, Nardone GG, Mazzà D, Di Lorenzo G, Romano F, Buonomo F, Mangogna A, Concas MP, Zito G, Ricci G, Girotto G
PMID: 37626618 PMCID: PMC10452899 DOI: 10.3390/biomedicines11082122

54.Front Genet. 2023 Jun 9;14:1161696. doi: 10.3389/fgene.2023.1161696. eCollection 2023.
Identifying missing pieces in color vision defects: a genome-wide association study in Silk Road populations
Nardone GG, Spedicati B, Concas MP, Santin A, **Morgan A**, Mazzetto L, Battaglia-Parodi M, Girotto G
PMID: 37359372 PMCID: PMC10288324 DOI: 10.3389/fgene.2023.1161696

53.Biomedicines. 2023 Feb 24;11(3):703. doi: 10.3390/biomedicines11030703.
The Enigmatic Genetic Landscape of Hereditary Hearing Loss: A Multistep Diagnostic Strategy in the Italian Population.

Spedicati B, Santin A, Nardone GG, Rubinato E, Lenarduzzi S, Graziano C, Garavelli L, Miccoli S, Bigoni S, **Morgan A**, Girotto G.
PMID: 36979683 Free PMC article.

52.Nat Hum Behav. 2023 Mar 2. doi: 10.1038/s41562-023-01528-6. Online ahead of print.
Genome-wide analysis identifies genetic effects on reproductive success and ongoing natural selection at the FADS locus
Iain Mathieson, Felix R Day, Nicola Barban, Felix C Tropf, David M Brazel, et al, including **Anna Morgan**

51.Genes (Basel). 2023 Jan 18;14(2):250. doi: 10.3390/genes14020250.
Haploinsufficiency as a Foreground Pathomechanism of Poirer-Bienvenu Syndrome and Novel Insights Underlying the Phenotypic Continuum of CSNK2B-Associated Disorders
Mariateresa Di Stazio, Caterina Zanus, Flavio Faletra, Alessia Pesaresi, Ilaria Ziccardi, **Anna Morgan**, Giorgia Girotto, Paola Costa, Marco Carrozzi, Adamo P d'Adamo, Luciana Musante

50.HGG Adv. 2023 Jan 18;4(2):100181. doi: 10.1016/j.xhgg.2023.100181. eCollection 2023 Apr 13.
Whole genome sequencing for USH2A-associated disease reveals several pathogenic deep-intronic variants that are amenable to splice correction
Janine Reurink, Nicole Weisschuh, Alejandro Garanto, Adrian Dockery, L Ingeborgh van den Born, Isabelle Fajardy, Lonneke Haer-Wigman, Susanne Kohl, Bernd Wissinger, G Jane Farrar, Tamar Ben-Yosef, Fatma Kivrak Pfiffner, Wolfgang Berger, Marianna E Weener, Lubica Dudakova, Petra Liskova, Dror Sharon, Manar Salameh, Ashley Offenheim, Elise Heon, Giorgia Girotto, Paolo Gasparini, **Anna Morgan**, Arthur A Bergen, Jacoline B Ten Brink, Caroline C W Klaver, Lisbeth Tranebjærg, Nanna D Rendtorff, Sascha Vermeer, Jeroen J Smits, Ronald J E Pennings, Marco Aben, Jaap Oostrik, Galuh D N Astuti, Jordi Corominas Galbany, Hester Y Kroes, Milan Phan, Wendy A G van Zelst-Stams, Alberta A H J Thiadens, Joke B G M Verheij, Mary J van Schooneveld, Suzanne E de Bruijn, Catherina H Z Li, Carel B Hoyng, Christian Gilissen, Lisenka E L M Vissers, Frans P M Cremers, Hannie Kremer, Erwin van Wijk, Susanne Roosing

49.Genes (Basel). 2022 Nov 3;13(11):2023. doi: 10.3390/genes13112023.
Challenging Occam's Razor: Dual Molecular Diagnoses Explain Entangled Clinical Pictures.
Spedicati B, **Morgan A**, Pianigiani G, Musante L, Rubinato E, Santin A, Nardone GG, Faletra F, Girotto G.

48.J Pers Med. 2022 Sep 30;12(10):1618. doi: 10.3390/jpm12101618.
High Throughput Genetic Characterisation of Caucasian Patients Affected by Multi-Drug Resistant Rheumatoid or Psoriatic Arthritis.
Tesolin P, Bertinetto FE, Sonaglia A, Cappellani S, Concas MP, **Morgan A**, Ferrero NM, Zabotti A, Gasparini P, Amoroso A, Quartuccio L, Girotto G.

47.Nature. 2022 Oct;610(7933):704-712. doi: 10.1038/s41586-022-05275-y. Epub 2022 Oct 12.
A saturated map of common genetic variants associated with human height.
Yengo L, Vedantam S, Marouli E, et al., **including Morgan A**

46.Am J Hum Genet. 2022 Aug 4;109(8):1366-1387. doi: 10.1016/j.ajhg.2022.06.012.
A multi-layer functional genomic analysis to understand noncoding genetic variation in lipids.
Ramdas S, Judd J, Graham SE, et al., **including Morgan A**.

45.Commun Biol. 2022 Jun 13;5(1):580. doi: 10.1038/s42003-022-03448-z.
Differential and shared genetic effects on kidney function between diabetic and non-diabetic individuals
Winkler TW, Rasheed H, Teumer A, et al., **including Morgan A**.

44.Foods. 2022 Mar 2;11(5):735. doi: 10.3390/foods11050735.
Sensory Capacities and Eating Behavior: Intriguing Results from a Large Cohort of Italian Individuals.
Concas MP, **Morgan A,** Tesolin P, Santin A, Girotto G, Gasparini P

43.Biomedicines. 2021 Dec 22;10(1):12. doi: 10.3390/biomedicines10010012.
There Is More Than Meets the Eye: Identification of Dual Molecular Diagnosis in Patients

Affected by Hearing Loss
Morgan A, Faletra F, Severi G, La Bianca M, Licchetta L, Gasparini P, Graziano C, Girotto G

42.Genes (Basel). 2021 Dec 21;13(1):4. doi: 10.3390/genes13010004.
Genetic Dissection of Temperament Personality Traits in Italian Isolates
Concas MP, Minelli A, Aere S, **Morgan A**, Tesolin P, Gasparini P, Gennarelli M, Girotto G

41.Genes (Basel). 2021 Oct 1;12(10):1569. doi: 10.3390/genes12101569.
Pendred Syndrome, or Not Pendred Syndrome? That Is the Question
Tesolin P, Fiorino S, Lenarduzzi S, Rubinato E, Cattaruzzi E, Ammar L, Castro V, Orzan E, Granata C, Dell'Orco D, **Morgan A**, Girotto G

40.Genes (Basel) 2021 Aug 10;12(8):1228. doi: 10.3390/genes12081228.
Hearing Function: Identification of New Candidate Genes Further Explaining the Complexity of This Sensory Ability
Concas MP, **Morgan A**, Serra F, Nagtegaal AP, Oosterloo BC, Seshadri S, Heard-Costa N, Van Camp G, Fransen E, Francescatto M, Logroscino G, Sardone R, Quaranta N, Gasparini P, Girotto G

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Identification of 371 genetic variants for age at first sex and birth linked to externalising behaviour.
Mills MC, Tropf FC, Brazel DM, van Zuydam N, Vaez A, eQTLGen Consortium; BIOS Consortium; Human Reproductive Behaviour Consortium including **Morgan A** ;Pers TH, Snieder H, Perry JRB, Ong KK, den Hoed M, Barban N, Felix R Day FR

Genes 2021, 12, 1043. https://doi.org/10.3390/ genes12071043
Non-Syndromic Autosomal Dominant Hearing Loss: The First Italian Family Carrying a Mutation in the *NCOA3* Gene
Tesolin P, **Morgan A**, Notarangelo M, Ortore RP, Concas MP, Notarangelo A, Girotto G.

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Variants in *USP48* encoding ubiquitin hydrolase are associated with autosomal dominant non-syndromic hereditary hearing loss.
Bassani S, Beelen E, Rossel M, Voisin N, **Morgan A,** Arribat Y, Chatron N, Chrast J, Cocca M, Delprat B, Faletra F, Giannuzzi G, Guex N, Machavoine R, Pradervand S, Smits JJ, van de Kamp JM, Ziegler A, Amati F, Marlin S, Kremer H, Locher H, Maurice T, Gasparini P, Girotto G, Reymond A.

37.Food Qual Prefer. 2021 May 2. doi.org/10.1016/j.foodqual.2021.104277
Genetics, odor perception and food liking: The intriguing role of cinnamon
Concas MP, **Morgan A**, Pelliccione G, Gasparini P, Girotto G

36.Genes (Basel). 2021 Apr 23;12(5):631. doi: 10.3390/genes12050631.
The Role of Knockout Olfactory Receptor Genes in Odor Discrimination.
Concas MP, Cocca M, Francescatto M, Battistuzzi T, Spedicati B, Feresin A, **Morgan A**, Gasparini P, Girotto G

35.Eur J Hum Genet. 2021 Mar 16. doi: 10.1038/s41431-021-00850-9. Online ahead of print. PMID: 33727708
Natural human knockouts and Mendelian disorders: deep phenotyping in Italian isolates.
Spedicati B, Cocca M, Palmisano R, Faletra F, Barbieri C, Francescatto M, Mezzavilla M, **Morgan A**, Pelliccione G, Gasparini P, Girotto G.

34.Clinical DNA Variant Interpretation 1st Edition: Theory and Practice edited by Conxi Lázaro, Jordan Lerner-Ellis, and Amanda Spurdle (Elsevier) (Paperback ISBN: 9780128205198). 2021 Feb, 27
Practical chapter "Hearing Loss"
Morgan A, Gasparini P, Girotto G

33.Journal of the European Academy of Otology and Neurotology. 2021 Jan;17. doi: 10.5152/iao.2020.8179.
Non-syndromic sensorineural Prelingual and Postlingual Hearing Loss due to *COL11A1* gene mutation
Ciorba A, Corazzi V, Melegatti M, **Morgan A**, Pelliccione G, Girotto G, Bigoni S

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A new case of TAR syndrome confirms the importance of noncoding variants in the etiopathogenesis of the disease.
Morgan A, Dipresa S, La Bianca M, Faletra F, Girotto G.

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Lights and shadows in the genetics of Syndromic and Non-Syndromic Hearing Loss in the Italian Population
Morgan A, Lenarduzzi S, Spedicati B, Cattaruzzi E, Murru FM, Pelliccione G, Mazzà D, Zollino M, Graziano C, Ambrosetti U, Seri M, Faletra F, Girotto G.

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Molecular testing for the study of non-syndromic hearing loss
Morgan A, Gasparini P, Girotto G

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Hearing loss and brain abnormalities due to pathogenic mutations in *ADGRV1* gene: a case report
Faletra F, **Morgan A**, Ghiselli S, Murru FM, Girotto G

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New Age-Related Hearing Loss Candidate Genes in Humans: An Ongoing Challenge
Di Stazio M, **Morgan A**, Brumat M, Bassani S, Dell'Orco D, Marino V, Garagnani P, Giuliani C, Gasparini P, Girotto G.

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***SLC12A2*: a new gene associated with autosomal dominant Non-Syndromic hearing loss in humans**
Morgan A, Pelliccione G, Ambrosetti U, Dell'Orco D, Girotto G

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Mutations in *PLS1*, encoding fimbrin, cause autosomal dominant nonsyndromic hearing loss.
Morgan A, Koboldt DC, Barrie ES, Crist ER, García García G, Mezzavilla M, Faletra F, Mihalic Mosher T, Wilson RK, Blanchet C, Manickam K, Roux AF, Gasparini P, Dell'Orco D, Girotto G.

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Next generation sequencing study in a cohort of Italian patients with syndromic hearing loss.
Lenarduzzi S, **Morgan A**, Faletra F, Cappellani S, Morgutti M, Mezzavilla M, Peruzzi A, Gisella S, Ambrosetti U, Graziano C, Seri M, Gasparini P, Girotto G.

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Next Generation Sequencing and Animal Models Reveal *SLC9A3R1* as a New Gene Involved in Human Age-Related Hearing Loss.
Girotto G, **Morgan A**, Krishnamoorthy N, Cocca M, Brumat M, Bassani S, La Bianca M, Di Stazio M, Gasparini P.

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Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution.
Justice AE, Karaderi T, Highland HM, et al., **including Morgan A**.

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Genomic Studies in a Large Cohort of Hearing Impaired Italian Patients Revealed Several New Alleles, a Rare Case of Uniparental Disomy (UPD) and the Importance to Search for Copy Number Variations.
Morgan A, Lenarduzzi S, Cappellani S, Pecile V, Morgutti M, Orzan E, Ghiselli S, Ambrosetti U, Brumat M, Gajendrarao P, La Bianca M, Faletra F, Grosso E, Sirchia F, Sensi A, Graziano C, Seri M, Gasparini P, Girotto G.

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A *Wars2* Mutant Mouse Model Displays OXPHOS Deficiencies and Activation of Tissue-Specific Stress Response Pathways.
Agnew T, Goldsworthy M, Aguilar C, **Morgan A**, Simon M, Hilton H, Esapa C, Wu Y, Cater H, Bentley L, Scudamore C, Poulton J, Morten KJ, Thompson K, He L, Brown SDM, Taylor RW, Bowl MR, Cox RD.

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***TBL1Y*: a new gene involved in syndromic hearing loss.**
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A novel deletion mutation involving *TMEM38B* in a patient with autosomal recessive osteogenesis imperfecta.
Rubinato E, **Morgan A**, D'Eustacchio A, Pecile V, Gortani G, Gasparini P, Faletra F.

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Next generation sequencing in nonsyndromic intellectual disability: From a negative molecular karyotype to a possible causative mutation detection.
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Faletra F, Athanasakis E, **Morgan A**, Biarnés X, Fornasier F, Parini R, Furlan F, Boiani A, Maiorana A, Dionisi-Vici C, Giordano L, Burlina A, Ventura A, Gasparini P.

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Athanasakis E, Fabretto A, Faletra F, Mocenigo M, **Morgan A**, Gasparini P.

Grant and Awards

Novembre 2021
Vincitrice del premio SIGU "Castellan" 2021 per l'abstract: "**Clinical application of Whole Exome Sequencing (WES): identification of dual molecular diagnoses in patients affected by Hearing Loss (HL).**"

Novembre 2020
Vincitrice del premio "SIGU per Giovani Ricercatori 2020" per l'abstract: "**Multiplex Ligation Probe Amplification (MLPA) and Whole Exome Sequencing (WES) revealed new alleles/genes in a subset of 214 Italian families affected by Non-Syndromic Hearing Loss (NSHL).**"

Dicembre 2019
Vincitrice del grant "**Starting Grant**", finanziato dal Ministero della Salute per il progetto: ***SLC7A8* a novel gene involved in late-onset hearing loss: from functional studies to drug discovery (SG-2018-12367867).**

Febbraio 2017- ARO, 39th Annual MidWinter Meeting
Travel Award per l'abstract "Genome Wide Association Studies (GWAS), Target- ed Re-sequencing (TRS) and Functional Validations for Unravelling Human Complex Traits: The Case of Hearing Function and Age Related Hearing Loss"

Maggio 2016- Molecular Biology of Hearing and Deafness (MBHD 2016)
Molecular Biology of Hearing and Deafness (MBHD 2016) Scholarship gentilmente donata dall'associazione Action on Hearing Loss

Settembre 2015 - Inner Ear Biology 2015 conference
Spoendlin Junior Award per l'abstract "A new targeted re-sequencing panel for unveiling the the genetic causes of age-related hearing loss (ARHL)."

Febbraio 2013- Muggia Rotary Club Meeting
Borsa di studio **Rotary Club** per lo studio di malattie genetiche utilizzando tecnologie di sequenziamento di nuova generazione.

Abstract

23rd- 25th September 2025, Rimini, XXVIII Congresso Sigu
Optimizing Genetic Diagnosis in Skeletal Dysplasia: Insights from Integrated Prenatal and Post-Termination of Pregnancy (TOP) Assessments
E. Paccagnella, S. Ulivi, S. Zampieri, E. Rubinato, D. Pasquetti, **A. Morgan**, S. Cappellani, L. Bortot, L. Lo Bello, M. Quadrifoglio, V. Barresi, A. P. d'Adamo, T. Stampalija, G. Girotto, P. Gasparini
(Podium Presentation C14)

23rd- 25th September 2025, Rimini, XXVIII Congresso Sigu
Hidden Variants: Decoding Endometriosis (EM) via Whole Exome Sequencing (WES)
A. Santin, L. Fasoli, M. Toffoli, S. Pegoraro, P. Tesolin, L. E. Rosso, A. Badalini, B. Spedicati, **A. Morgan**, S. Lenarduzzi, G. G. Nardone, G. Pianigiani, D. Mazzà, G. Zito, G. Di Lorenzo, F. Romano, A. Mangogna, F. Buonomo, M. P. Concas, G. Ricci, G. Girotto
(Podium Presentation C75)

22nd-27th May 2025, Milan, European Society of Human Genetics
When timing is essential: application of next-generation sequencing (NGS) technologies to provide a molecular diagnosis for critically-ill children admitted to Neonatal and Paediatric Intensive Care Units (NICUs/PICUs)
Beatrice Spedicati, Luigi Memo, **Anna Morgan**, Stefania Zampieri, Elisa Paccagnella, Federica Perino, Simone Frisari, Mabel Troian, Emanuele Agolini, Andrea Dotta, Erica Rosina, Camilla Lucca, Laura Pezzoli, Lidia Pezzani, Antonio Novelli, Maria Iascone, Giorgia Girotto
(Poster Presentation: P16.010.A)

22nd-27th May 2025, Milan, European Society of Human Genetics
Functional Characterization of Splicing Variants in Syndromic and Non-Syndromic Hereditary Hearing Loss (HHL) Using Minigene Splicing Assays
Lara Emily Rosso, **Anna Morgan**, Elisa Rubinato, Beatrice Spedicati, Giorgia Girotto Giulia Pianigiani

(Poster Presentation: P04.010.A)

22nd-27th May 2025, Milan, European Society of Human Genetics
A Hitchhiker guide to Structural Variant (SV) Calling: a comprehensive benchmark through short-reads (srWGS) and long-reads (lrWGS) sequencing technologies
Giuseppe Giovanni Nardone, Valentina Andrioletti, Aurora Santin, Beatrice Spedicati, **Anna Morgan,** Maria Pina Concas, Ivan Limongelli,Giorgia Girotto
(Poster Presentation P17.064.A)

22nd-27th May 2025, Milan, European Society of Human Genetics
Endometriosis (EM) symptoms and extra-oral taste-associated genes (TGs): not only a matter of taste.
Aurora Santin, Alessandro Pecori, Giuseppe Giovanni Nardone, Beatrice Spedicati, Stefania Lenarduzzi, Paola Tesolin, **Anna Morgan**, Silvia Camarda, Harry Stevens, Laura Fasoli, Daniela Mazzà, Giovanni Di Lorenzo, Federico Romano, Francesca Buonomo, Alessandro Mangogna, Gabriella Zito, Maria Pina Concas, Giuseppe Ricci, Giorgia Girotto
(Poster Presentation P02.049.C)

2nd - 4th October 2024, Padova, XXVII Congresso Sigu
Age-Related Hearing Loss (ARHL) genetics at a corner: a GWAS meta-analysis on Italian cohorts
Santin, S. Lenarduzzi, G. G. Nardone, A. Pecori, B. Spedicati, **A. Morgan**, M. Persichillo, A. De Curtis, S. Costanzo, A. Gialluisi, L. Iacoviello, P. Gasparini, M. P. Concas, G. Girotto
(Podium Presentation C22)

2nd - 4th October 2024, Padova, XXVII Congresso Sigu
Non-invasive prenatal testing (NIPT) for trisomies 13, 18, 21 and sex chromosome aneuploidies: outcomes and clinical experience from 447 consecutive pregnancies
S. Cappellani, D. Pasquetti, S. Ulivi, **A. Morgan**, D. Favretto, G. Turchetto, B. Spedicati, A. P. D'Adamo, S. Zampieri, G. Girotto
(Podium Presentation C23)

2nd - 4th October 2024, Padova, XXVII Congresso Sigu
Clinical application of Nanopore sequencing in the molecular diagnosis of genetic disorders
S. Lenarduzzi, **A. Morgan**, M. Troian, S. Zampieri, G. G. Nardone, C. Bon, B. Spedicati, P. Gasparini, G. Girotto
(Podium Presentation C47)

2nd - 4th October 2024, Padova, XXVII Congresso Sigu
A race against time: when high-throughput sequencing technologies are essential to provide critically-ill children admitted to Neonatal and Pediatric Intensive Care Units (NICU/PICU) with a molecular diagnosis
B. Spedicati, L. Memo, **A. Morgan**, S. Zampieri, E. Paccagnella, F. Perino, S. Frisari, M. Troian, E. Agolini, A. Dotta, E. Rosina, C. Lucca, L. Pezzoli, L. Pezzani, A. Novelli, M. Iascone, G. Girotto
(Podium Presentation C73)

2nd - 4th October 2024, Padova, XXVII Congresso Sigu
Inside-out Endometriosis disease: a 360°-degree view on clinics, genetics, microbiome and diet
A. Santin , A. Pecori , B. Spedicati , **A. Morgan** , S. Lenarduzzi , P. Tesolin , G.G. Nardone , S. Camarda , H. Stevens , G. Pianigiani , L.E. Rosso , E. Vinerbi , C. Bon , D. Mazzà , G. Di Lorenzo , F. Romano , F. Buonomo , A. Mangogna , G. Campisciano , G. Zito , S. Sanna , M.P. Concas , G. Ricci , G. Girotto
(Poster Presentation)

2nd - 4th October 2024, Padova, XXVII Congresso Sigu
Unmasking Non-Syndromic Mimics (NSMs) in Hereditary Hearing Loss (HHL) patients: a genetic and clinical investigation in the Italian population
B. Spedicati , S. Lenarduzzi , **A. Morgan** , G. Pianigiani , C. Bon , E. Rubinato , D. Marangoni , G. Girotto
(Poster Presentation)

2nd - 4th October 2024, Padova, XXVII Congresso Sigu
Structural Variant (SV) calling optimization: towards a robust and reliable detection from short read Whole Genome Sequencing (srWGS) data
G.G. Nardone , V. Andrioletti , A. Santin , **A. Morgan** , B. Spedicati , M. Troian , M.P. Concas , I. Limongelli , G. Girotto
(Poster Presentation)

2nd - 4th October 2024, Padova, XXVII Congresso Sigu

Functional Characterization of Splicing Variants in Syndromic and Non-Syndromic Hereditary Hearing Loss (HHL) Using Minigene Splicing Assays
Rosso LE, **Morgan A**, Rubinato E, Spedicati B, Girotto G, Pianigiani G
(Poster Presentation)

2nd - 4th October 2024, Padova, XXVII Congresso Sigu
Functional characterization of novel *AP3B2* variants identified after systematic WES reanalysis: an example of effective dynamic workflow to reach a diagnosis
Frisari S, **Morgan A**, Bonati MT, Di Marzio GM, Zanus C, Girotto G, Musante L
(Poster Presentation)

2nd - 4th October 2024, Padova, XXVII Congresso Sigu
The clinical utility of Whole Exome Sequencing (WES) in the molecular diagnosis in a cohort of 89 fetuses with structural anomalies: the experience of a referral Italian hospital
Zampieri S, **Morgan A**, Paccagnella E, Rubinato E, Feresin A, Mazzà D, Perino F, Saramin A, Stampalija T, Pinamonti M, Turchetto G, Bussani R, Murru FM, Spedicati B, Girotto G
(Poster Presentation)

15th -17th September 2024, Warsaw, Inner Ear Biology (IEB) 2024
The Hidden Truth of Hereditary Hearing Loss: Gaining Insight into the genetic basis of Non-syndromic Mimics
Tesolin P, Spedicati B, **Morgan A**, Lenarduzzi S, Rubinato E, Santin A, Troian M, Marangoni D, Girotto G.
(Poster Presentation)

1st-4th June 2024, Berlin, European Society of Human Genetics
High throughput screening: identification of candidate molecules for the treatment of SLC7A8-dependent age related hearing loss (ARHL)
Tesolin P, Bartoccioni P, Pianigiani G , Caballero M , **Morgan A** , Bon C , Rojas Granado G, Ramos I , Aloy P , Gasparini P, Nunes V, Girotto G, Palacin M
(Podium Presentation C14.3)

1st-4th June 2024, Berlin, European Society of Human Genetics
The molecular riddle of Endometriosis (EM) disorder: filling in the blanks between genetics, diet, and microbiome.
Santin A , Spedicati B, **Morgan A** , Lenarduzzi S , Tesolin P , Pecori A , Nardone GG , Camarda D , Stevens H , Pianigiani G , Rosso LE , Bon C , Mazzà D , Vinerbi E , Di Lorenzo G , Romano F , Buonomo F , Mangogna A , Campisciano G , Zito G , Sanna S, Concas MP , Ricci G, Girotto G.
(Poster Presentation P02.036.B).

1st-4th June 2024, Berlin, European Society of Human Genetics
The implementation of Whole Exome Sequencing in the molecular diagnosis of fetal structural anomalies: the experience of a referral Italian hospital
Zampieri S , Feresin A , **Morgan A** , Paccagnella E , Rubinato E , Mazzà D , Perino F, Samarin A , Stampalija T, Pinamonti M , Turchetto G , Bussani R, Spedicati B, Murru FM, Girotto G
(Poster Presentation P03.028.D)

1st-4th June 2024, Berlin, European Society of Human Genetics
Modeling genetic forms of hearing loss with Inner Ear Organoids
Pianigiani G , **Morgan A** , Troian M , Turchetto G , Spedicati B, Roccio M, Girotto G
(Poster Presentation P04.004.A)

1st-4th June 2024, Berlin, European Society of Human Genetics
The diagnostic chameleon of Hereditary Hearing Loss (HHL): a genetic investigation on Non-syndromic Mimics (NSMs)
Spedicati B, **Morgan A** , Lenarduzzi S , Rubinato E , Zucca G , Troian M , Marangoni D, Girotto G
(Poster Presentation P04.024.A)

1st-4th June 2024, Berlin, European Society of Human Genetics
Dynamic Whole-Exome Sequencing (WES) analysis in a large pediatric cohort of patients with neurodevelopmental disorders and epilepsy
Paccagnella E , Spedicati B, Bonati MT , Mazzà D , **Morgan A** , Zampieri S , Costa P , Zanus C , Girotto G, Musante L
(E-Poster EP10.064)

4nd - 6th October 2023, Rimini, XXVI Congresso Sigu
Unravelling the genetic bases of Hearing Loss (HL): deep phenotyping and high throughput sequencing technologies in an Italian Cohort of patients.

A. Morgan , B. Spedicati , A. Santin , G.G. Nardone , S. Lenarduzzi , E. Paccagnella , E. Rubinato , G. Girotto
(Poster Presentation)

4nd - 6th October 2023, Rimini, XXVI Congresso Sigu
Endometriosis (EM): still an unsolved genetic dilemma? Whole-Exome Sequencing (WES) analysis and gene discovery in a highly characterized cohort
A Santin , B. Spedicati , **A. Morgan** , S. Lenarduzzi , P. Tesolin , G.G. Nardone , S. Camarda , H. Stevens , D. Mazzà , G. Di Lorenzo , F. Romano , F. Buonomo , A. Mangogna , M.P. Concas , G. Zito , G. Ricci , G. Girotto
(Poster Presentation)

4nd - 6th October 2023, Rimini, XXVI Congresso Sigu
Highlighting SLC7A8 Transcriptional Regulators for the Treatment of Age-Related Hearing Loss
P. Tesolin , P. Bartoccioni , G. Pianigiani , **A. Morgan** , M. Caballero , G. Rojas Granado , I. Ramos , P. Aloy , P. Gasparini Nunes Martinez , G. Girotto , M. Palacin
(Poster Presentation)

4nd - 6th October 2023, Rimini, XXVI Congresso Sigu
Highlighting SLC7A8 Transcriptional Regulators for the Treatment of AgeRelated Hearing Loss
P. Tesolin, P. Bartoccioni, G. Pianigiani, **A. Morgan**, M. Caballero, G. Rojas Granado, I. Ramos, P. Aloy, P. Gasparini, V. Nunes Martinez, G. Girotto, M. Palacin
(Podium Presentation C44)

2nd -5th September 2023, London (UK) Inner Ear Biology (IEB) 2023
iPSC-derived Inner Ear Organoids and CRISPR/Cas9-mediated Genome-Editing: a Disease Model System to Characterize a Novel MYO5C Mutation as Putative Cause of Hearing Loss
Pianigiani G, **Morgan A**, Abidi A, Alonso Jimenez S, Generali M, Spedicati B, Gasparini P, Girotto G, Roccio M.
(Podium Presentation O30)

2nd -5th September 2023, London (UK) Inner Ear Biology (IEB) 2023
Unravelling the Genetic Bases of Hearing Loss: a Multistep and Integrative Approach in a Deeply Characterised Italian Cohort
Spedicati B, Santin A, Nardone GG, Lenarduzzi S, Paccagnella E, Rubinato E, **Morgan** A, Girotto G
(Poster presentation P27)

2nd -5th September 2023, London (UK) Inner Ear Biology (IEB) 2023
High Throughput Screening to Identify SLC7A8 Transcriptional Regulators for the Treatment of Age-Related Hearing Loss
Tesolin P, Bartoccioni P, Pianigiani G, **Morgan A**, Caballero M, Rojas G, Ramos I, Aloy P, Gasparini P, Nunes Martinez V, Girotto G, Palacin M.
(Poster presentation P28)

2nd -5th September 2023, London (UK) Inner Ear Biology (IEB) 2023
Hearing Function (HF): a Combined Approach of Genome-Wide Association Studies (GWAS) Meta-analysis, Gene Expression and Transcriptome-Wide Association Studies (TWAS) Analysis
Santin A, Lenarduzzi S; Nardone GG; Spedicati B; **Morgan A**; Persichillo M; De Curtis A, Costanzo S; Gialluisi A; Iacoviello L; Gasparini P; Concas MP; Girotto G.
(Poster presentation P107)

10th-13th June 2023, Glasgow (UK) European Society of Human Genetics
Rapid whole exome sequencing (rWES) in neonatal care in an Italian maternal-children hospital.
Morgan A, Sbaffi C, Spedicati B, Rubinato E, Faletra F, Pelliccione G, Zampieri S, Morgan A, Girotto G
(Poster presentation P17.026.B)

10th-13th June 2023, Glasgow (UK) European Society of Human Genetics
Puzzling out the genetic landscape of Hearing Function (HF): a combined approach of Genome-Wide Association Studies (GWAS) and Transcriptome-Wide Association Studies (TWAS)
Santin A, Lenarduzzi S, Nardone GG, Spedicati B, **Morgan A**, Persichillo M, De Curtis A, Costanzo S, Gialluisi A, Iacoviello L, Gasparini P, Concas MP, Girotto G.
(Poster presentation P25.020.D)

10th-13th June 2023, Glasgow (UK) European Society of Human Genetics

Unveiling the genetic bases of Hereditary Hearing Loss (HHL): the application of a multistep diagnostic approach in a large Italian cohort
Spedicati B, Santin A, Nardone GG, Lenarduzzi S, Rubinato E, Graziano C, Garavelli G, Miccoli S, Bigoni S, **Morgan A**, Girotto G
(Poster presentation P03.005.A)

10th-13th June 2023, Glasgow (UK) European Society of Human Genetics
Whole Genome Sequencing (WGS) for the molecular diagnosis of Hereditary Hearing Loss (HHL): the underestimated role of Structural Variants (SVs)
Nardone GG, Santin A., **Morgan A**, Spedicati B, Concas MP, Girotto G
(Poster presentation P03.004.D)

10th-13th June 2023, Glasgow (UK) European Society of Human Genetics
Repurposing drugs to treat SLC7A8 age-related hearing loss
Tesolin P, Bartoccioni P, Pianigiani G, **Morgan A**, Caballero M, Ramos I, Gasparini P, Nunes Martinez V, Girotto G
(Poster presentation P03.014B)

10th -13th September 2022, Trieste, Inner Ear Biology (IEB) 2022
Genetics of Age-Related Hearing Loss: high throughput technologies and gene discovery
Morgan A
(Target Lecture)

10th -13th September 2022, Trieste, Inner Ear Biology (IEB) 2022
Deepening the genetics of hearing: Genome-wide Association Studies (GWAS) on Moli-sani cohort.
Santin A, Lenarduzzi S, Nardone GG, Spedicati B, **Morgan A**, Persichilli M, De Curtis A, Costanzo S, Gialluisi A, Iacoviello L, Gasparini P, Concas MP, Girotto G
(Podium Presentation id161)

10th -13th September 2022, Trieste, Inner Ear Biology (IEB) 2022
Dual molecular diagnosis in complex hearing loss patients: when a single gene is not enough.
Spedicati B, **Morgan A**, Ambrosetti U, Garavelli L, Lenarudzzi S, Pelliccione G, Peluso F, Santin A, Gasparini P, Girotto G
(Podium Presentation id131)

10th -13th September 2022, Trieste, Inner Ear Biology (IEB) 2022
Age-related hearing loss and *SLC7A8*: identification of molecules able to restore the gene lost activity.
Tesolin P, **Morgan A**, Pianigian G, Bartoccioni P, Nunes Martinez V, Palacin M, Girotto G
(Podium Presentation id126)

7th -9th September 2022, Trieste, XXV Congresso Sigu
Deep phenotyping and high throughput sequencing technologies for the molecular diagnosis of hereditary hearing loss in an Italian cohort of patients.
Morgan A, Lenarduzzi S, Spedicati B, Nardone GG, Tesolin P, Santin A, Rubinato E, Girotto G
(Podium Presentation C49)

7th -9th September 2022, Trieste, XXV Congresso Sigu
Normal Hearing Function (NHF) and Age-Related Hearing Loss (ARHL): new candidate genes identification from Genome-Wide Association Studies (GWAS) in Moli-sani cohort.
Santin A, Lenarduzzi S, Nardone GG, Spedicati B, Morgan A, Persichillo M, De Curtis A, Costanzo S, Gialluisi A, Iacoviello L, Gasparini P, Concas MP, Girotto G
(Podium Presentation C10)

7th -9th September 2022, Trieste, XXV Congresso Sigu
High-throughput screening: identification of molecules able to promote the transcription of *SLC7A8*
Tesolin P, **Morgan A**, Pianigiani G, Santin A, Bartoccioni P, Nunes Martinez V, Palacin M, Girotto G
(Podium Presentation C34)

7th -9th September 2022, Trieste, XXV Congresso Sigu
Not only a Klippel-Feil, nor a tube defect: a novel Italian family with V239I *VANGL1.*
Feresin A, Luglio B, Spedicati B, **Morgan A**, Bonati MT, Faletra F, Girotto G, Gasparini P, Rubinato E
(Poster Presentation P008)

7th -9th September 2022, Trieste, XXV Congresso Sigu
High throughput sequencing technologies allow the genetic characterization of multi-drug resistant patients affected by rheumatoid and psoriatic arthritis.

Crudele F, Tesolin P, Bertinetto F, Sonaglia A, Concas MP, **Morgan A**, Ferrero N, Nardone GG, Zabotti P, Gasparini P, Amoroso A, Quartuccio L, Girotto G
(Poster Presentation P308)

7th -9th September 2022, Trieste, XXV Congresso Sigu
Identifying missing pieces in Color Vision Defects (CVDs): a Genome-Wide Association Study (GWAS) in Silk Road populations.
Nardone GG, Concas MP, Santin A, **Morgan A**, Gasparini P, Battaglia-Parodi M, Girotto G
(Poster Presentation P385)

7th -9th September 2022, Trieste, XXV Congresso Sigu
Analysis of patient-derived mRNA samples or minigene splicing assays as reliable and fast methods to validate novel variants potentially affecting splicing in the context of inherited diseases.
Pianigiani G, **Morgan A**, Rubinato E, Faletra F, Garavelli L, Gasparini P, Girotto G
(Poster Presentation P148)

7th -9th September 2022, Trieste, XXV Congresso Sigu
Behind the scenes of entangled clinical pictures: the intriguing role of dual molecular diagnoses.
Spedicati B, **Morgan A**, Bonati MT, Luglio A, Rubinato E, Suergiu S, Gasparini P, Faletra F, Girotto G
(Poster Presentation P130)

7th -9th September 2022, Trieste, XXV Congresso Sigu
Next-generation sequencing technologies to molecularly diagnose patients affected by Pendred syndrome-like symptoms.
Tesolin P, Roesch S, Dossena S, Zampollo S, Santin A, Rubinato E, Brotto D, **Morgan A**, Girotto G
(Poster Presentation P122)

7th -9th September 2022, Trieste, XXV Congresso Sigu
Novel genetic insights into Endometriosis (EM) disease: the first Italian Whole-Exome sequencing (WES) study.
Santin A, Tesolin P, Spedicati B, Nardone GG, Zito G, Romano F, Di Lorenzo G, **Morgan A**, Concas MP, Ricci G, Girotto G
(Poster Presentation P099)

7th -9th September 2022, Trieste, XXV Congresso Sigu
Unravelling the genetic bases of persistent olfactory dysfunction in COVID-19 patients: the psychophysical and molecular characterization of a large Italian cohort.
Spedicati B, Nardone GG, Concas MP, Crudele F, Pecori A, Santin A, Tirelli G, Gasparini P, **Morgan A**, Boscolo-Rizzo P, Girotto G
(Poster Presentation P096)

7th -9th September 2022, Trieste, XXV Congresso Sigu
Whole Exome Sequencing in unravelling complex cases of bicuspid aortic valve.
Faletra F, Bonati MT, **Morgan A**, Rubinato E, Feresin A, Luglio A, Spedicati B, Girotto G, Gasparini P
(Poster Presentation P080)

7th -9th September 2022, Trieste, XXV Congresso Sigu
The challenge of non-syndromic mimics: our experience with hereditary hearing loss.
Rubinato E, **Morgan A**, Faletra F, Feresin A, Spedicati B, Girotto G
(Poster Presentation P077)

7th -9th September 2022, Trieste, XXV Congresso Sigu
Confirmating the causative role of *SF3B2* in craniofacial microsomia: the first Italian family.
Rubinato E, Faletra F, Feresin A, **Morgan A**, Girotto G
(Poster Presentation P076)

7th -9th September 2022, Trieste, XXV Congresso Sigu
Whole Exome Sequencing for fetal anomalies: where are we and where are we going? A single center experience and a review of the current practices.
Feresin A, Luglio A, Spedicati B, **Morgan A**, Bonati MT, Faletra F, Rubinato E, Stampalija T, Bussani R, Murru F, Girotto G, Gasparini P
(Poster Presentation P158)

11th-14th June 2022, Vienna, European Society of Human Genetics
Accurate clinical evaluation and high throughput technologies for the molecular

characterization of hereditary hearing loss in a large cohort of Italian patients.
Morgan A, Lenarduzzi S, Spedicati B, Tesolin P, Santin A, Rubinato E, Girotto G
(Poster Presentation)

11th-14th June 2022, Vienna, European Society of Human Genetics
Shedding light on Endometriosis (EM) disease: Whole Exome Sequencing (WES) and new genes discovery in a fully clinical characterized Italian cohort.
Santin A, Tesolin P, Spedicati B, Nardone GG, Zito G, Romano F, Di Lorenzo G, **Morgan A**, Concas MP, Ricci G, Girotto G
Poster Presentation)

11th-14th June 2022, Vienna, European Society of Human Genetics
Persistent chemosensory dysfunction in COVID-19 patients: a deep dive into the psychophysical and genetic characterisation of an Italian cohort
Spedicati B, Nardone GG, Concas MP, Crudele F, Pecori A, Santin A, Tirelli G, Gasparini P, **Morgan A**, Boscolo-Rizzo P, Girotto G
(Poster Presentation)

11th-14th June 2022, Vienna, European Society of Human Genetics
Dissecting the genetic bases of Color Vision Defects (CVDs) through Genome- Wide Association Study (GWAS) in Silk Road populations
Nardone GG, Concas MP, Loperfido D, **Morgan A**, Parodi Battaglia M, Gasparini P, Girotto G
(Poster Presentation)

11th-14th June 2022, Vienna, European Society of Human Genetics
High throughput genetic characterization of Italian patients affected by multi- drug resistant rheumatoid and psoriatic arthritis
Tesolin P, Bertinetto F, Sonaglia A, Concas MP, **Morgan A**, Nardone GG, Zabotti A, Gasparini P, Amoroso A, Quartuccio L, Girotto G
(Poster Presentation)

5th-9th February 2022, ARO, 44th Annual MidWinter Meeting
Whole Exome Sequencing Shed the Light on the Possibility of Dual Molecular Diagnoses for Unusual Hearing Loss Cases
Morgan A, La Bianca M, Nardone GG, Alessandrini B, Severi G, Graziano C, Gasparini P, Faletra F, Girotto G
(Poster Presentation)

5th-9th February 2022, ARO, 44th Annual MidWinter Meeting
Molecular Diagnosis for Patients Affected by Pendred Syndrome: a New Genotype-Phenotype Correlation and a Novel Candidate Gene
Tesolin P, Fiorino S, Nardone GG, Alessandrini B, Lenarduzzi S, Cattaruzzi E, Ammar L, Dell'Orco D, Granata C, **Morgan A**, Girotto G.
(Poster Presentation)

17th -19th November 2021, XXIV Congresso Sigu, virtual edition
Clinical application of Whole Exome Sequencing (WES): identification of dual molecular diagnoses in patients affected by Hearing Loss (HL).
Morgan A, Faletra F, La Bianca M, Severi G, Graziano C, Gasparini P, Girotto G
(Podium Presentation C06)

17th -19th November 2021, XXIV Congresso Sigu, virtual edition
Whole Exome Sequencing for fetuses with structural anomalies: which contribute in the post-mortem diagnostic pathway?
Feresin A, Spedicati B, Morgante G, Luglio A, Suergiu S , La Bianca m, G. Pelliccione , Fantasia I, Stampalija T, Murru FM, **Morgan A**, Rubinato E, Bonati MT, Faletra F, Girotto G, Bussani R, Gasparini P
(Poster Presentation 300508052)

17th -19th November 2021, XXIV Congresso Sigu, virtual edition
Whole Exome Sequencing in the pediatric emergency setting: when time matters for patients' treatment, care and management.
Spedicati B, Feresin A, Musante L, **Morgan A**, La Bianca M, Faletra F, Bonati MT, Rubinato E, Girotto G, Gasparini P
(Poster Presentation 300508058)

17th -19th November 2021, XXIV Congresso Sigu, virtual edition
Genetics of Cloninger's Temperament and Character Inventory (TCI): results from an Italian isolate.

Concas MP, Minelli A, Aere S, **Morgan A**, Tesolin P, Cocca M, Gennarelli M, Gasparini P, Girotto G
(Podium Presentation C07)

17th -19th November 2021, XXIV Congresso Sigu, virtual edition
A novel *PRKAR1B* variant as a cause of intellectual disability and hyperphagia.
Morgante G, Bonati MT, Faletra F, Feresin A, Luglio A, **Morgan A**, Musante L, Rubinato E , Spedicati B , Girotto G, Gasparini P
(Poster Presentation 300508255)

17th -19th November 2021, XXIV Congresso Sigu, virtual edition
When short stature is not a small thing: a medical history that began with GH deficiency hypostaturism.
Luglio A, Bonati MT, Di Bella D, Magri S, Sarto E, Nanetti L, Faletra F, Feresin A, **Morgan A**, Morgante G, Musante L, Rubinato E, Spedicati B, Girotto G, Taroni F, Gasparini P
(Poster Presentation 300508234)

17th -19th November 2021, XXIV Congresso Sigu, virtual edition
Pendred syndrome, or not Pendred syndrome? that is the question
Tesolin P, Fiorino S, Lenarduzzi S, Cattaruzzi E, Ammar L, Castro V, Orzan E, Granata C, **Morgan A**, Girotto G
(Poster Presentation 300508011)

28th-31st August 2021, European Society of Human Genetics, Virtual Conference
***GJB2* sequencing, Multiplex Ligation Probe Amplification (MLPA) and Whole Exome Sequencing (WES) for the molecular diagnosis of Non-Syndromic Hearing Loss (NSHL): the experience of a cohort of 277 Italian families.**
Morgan A, Faletra F, Lenarduzzi S, La Bianca M, Pelliccione G, Spedicati B, Feresin A, Mazzà D, Sensi A, Graziano C, Seri M, Ambrosetti U, Gasparini, Girotto G
(Poster Presentation P02.028.A)

28th-31st August 2021, European Society of Human Genetics, Virtual Conference
Genetic and environmental factors influencing sensory decays during aging in a large Italian cohort
Girotto G, Cocca M, **Morgan A**, Catamo E, Tesolin P, Feresin A, Gasparini P, Concas MP
(Poster Presentation)

28th-31st August 2021, European Society of Human Genetics, Virtual Conference
Genetic dissection of Cloninger's Temperament and Character Inventory, TCI, in an Italian isolate
Concas MP, Minelli A, Aere S, Serra F, **Morgan A**, Spedicati B, Morgante G, Cocca M, Gennarelli M, Gasparini P, Girotto G
(Poster Presentation)

28th-31st August 2021, European Society of Human Genetics, Virtual Conference
Human knockouts of olfactory receptors genes and smell perception impairment in a large Italian cohort
Tesolin P, Concas MP, Francescatto M, Luglio A, Spedicati B, Feresin A, **Morgan A**, Gasparini P, Girotto G
(Poster Presentation)

28th-31st August 2021, European Society of Human Genetics, Virtual Conference
There's more than meets the eye: dual molecular diagnosis in complex hearing loss patients
Spedicati B, **Morgan A**, Bonati MT, Severi G, Feresin A, Graziano C, Gasparini P, Faletra F, Girotto G
(Poster Presentation)

20th-24th February 2021, ARO, 44th Annual MidWinter Meeting
Multiplex Ligation Probe Amplification (MLPA) and Whole Exome Sequencing (WES) for the Molecular Diagnosis of Non-Syndromic Hearing Loss (NSHL): The Results of a Cohort of 214 Italian Families
Morgan A, Faletra F, Lenarduzzi S, La Bianca M, Pelliccione G, Spedicati B, Feresin A, Mazzà D, Sensi A, Graziano C, Seri M, Ambrosetti U, Gasparini, Girotto G
(Poster Presentation)

11th -13th November 2020, XXIII Congresso Sigu, virtual edition
Multiplex Ligation Probe Amplification (MLPA) and Whole Exome Sequencing (WES) revealed new alleles/genes in a subset of 214 Italian families affected by Non-Syndromic Hearing Loss (NSHL).
Morgan A, Faletra F, Lenarduzzi S, La Bianca M, Pelliccione G, Spedicati B, Feresin A, Mazzà D, Sensi A, Graziano C, Seri M, Ambrosetti U, Gasparini P, Girotto G
(Podium Presentation C04)

11th-13th November 2020, XXIII Congresso Sigu, virtual edition
The role of bi-allelic loss of function variants in olfactory receptor genes on the perception of smell
Concas MP, Francescatto M, Battistuzzi T, Spedicati B, Pelliccione G, **Morgan A**, Feresin A, Cocca M, Gasparini P, Girotto G
(Poster Presentation 7270)

6th-9th June 2020, European Society of Human Genetics, Virtual Conference
Genomic approaches for the analysis fo more than 700 Italian patients affected by Hereditary Hearing Loss (HHL) reveal new genes/alleles.
Morgan A, Pelliccione G, Faletra F, Dell'Orco D, Brumat M, Gasparini P, Girotto G
(Poster Presentation P02.32.A)

6th-9th June 2020, European Society of Human Genetics, Virtual Conference
The G-EAR Consortium study: new candidate genes for normal hearing function (NHF) and age-related hearing loss (ARHL) in a large and deeply phenotyped cohort.
Brumat M, **Morgan A**, Nagtegaal APP, Oosterloo BC, Seshadri S, Heard-Costa NL, Van Camp G, Fransen E, Gasparini P, Girotto G
(Poster Presentation P02.19.C)

6th-9th June 2020, European Society of Human Genetics, Virtual Conference
The importance of Human Knockouts in a deeper characterization of Mendelian disorders
Spedicati B, Faletra F, Palmisano R, Barbieri C, Pelliccione G, **Morgan A**, Mezzavilla M, Cocca M, Gasparini P, Girotto G
(Poster Presentation P.19.051.A)

6th-9th June 2020, European Society of Human Genetics, Virtual Conference
Whole Exome Sequencing, Molecular Assays, Immunohistology and Animal Models associate *USP48* to Hereditary Hearing Loss
Bassani S, **Morgan A**, Cocca M, Voisin N, Chrast J, Pradervand S, Guex N, Delprat B, Rossel M, Locher H, Van Beelen E, Tangui M, Gasparini P, Girotto G, Reymond A.
(Podium Presentation C06.2)

13th-16th November 2019, Roma (Italy), SIGU 2019
***PLS1*, encoding plastin-1, causes autosomal dominant (AD) non-syndromic hearing loss in three families of European ancestry.**
Girotto G, **Morgan A**, Koboldt DC, Barrie ES, Crist ER, García García G, Mezzavilla M, Faletra F, Mihalic Mosher T , Wilson RK, Blanchet C, Manickam K, Roux AF, Dell'Orco D, Gasparini P.
(Podium Presentation C009)

13th-16th November 2019, Roma (Italy), SIGU 2019
We are all experiments of nature: the fascinating role of Human Knockouts (HKO).
Spedicati B, Palmisano R, Cocca M, Barbieri C, Sirchia F, Mezzavilla M, **Morgan A**, Faletra F, Gasparini P, Girotto G.
(Podium Presentation C020)

7th-10th September 2019, Padova (Italy), Inner Ear Biology 2019
Mutations in *PLS1* cause autosomal dominant non-syndromic hearing loss in three families of European ancestry.
Morgan A, Koboldt DC, Barrie ES, Crist ER, García García G, Mezzavilla M, Faletra F, Mihalic Mosher T , Wilson RK, Blanchet C, Manickam K, Roux AF, Gasparini P, Dell'Orco D, Girotto G.
(Podium Presentation TL4)

7th-10th September 2019, Padova (Italy), Inner Ear Biology 2019
GWAS meta-analysis points to new loci for normal hearing function and age-related hearing loss.
Brumat M, **Morgan A**, Cocca M, Mezzavilla M, Toniolo D, Van Camp G, Fransen E, Biino G, Ambrosetti U, Ghiselli S, Gasparini P, Girotto G.
(Poster Presentation P57)

15th-18th June 2019, Göteborg (Sweden), European Society of Human Genetics
Mutations in *PLS1,* encoding fimbrin, cause autosomal dominant non-syndromic hearing loss (ADNSHL).
Morgan A, Koboldt D, Barrie E, Crist E, Mezzavilla M, Faletra F, Mosher T, Wilson R, Manickam K, Gasparini P, Dell'Orco D, Girotto G.
(Poster Presentation P02.50D)

15th-18th June 2019, Göteborg (Sweden), European Society of Human Genetics

Preliminary results from a new GWAS meta-analysis point at new loci for age-related hearing loss (ARHL).
Brumat M, **Morgan A**, Cocca M, Mezzavilla M, Van Camp G, Fransen E, Biino G, Ambrosetti U, Toniolo D, Ghiselli S, Gasparini P, Girotto G.
(Poster Presentation P02.05C)

15th-18th June 2019, Göteborg (Sweden), European Society of Human Genetics
The relevant role of Italian genetic isolates for the study of Human Knockouts.
Sirchia F, Cocca M, Faletra F, Girotto G, Spedicati B, **Morgan A**, Palmisano R, Barbieri C, Toniolo D, Gasparini P.
(Poster Presentation P18.33A)

10th December 2018, Trieste (Italy), New frontiers of hearing loss: from genetic research to innovative therapies.
Gene therapy and genome editing for the treatment of hearing loss.
Morgan A.
(Invited Speaker)

25th-27th October 2018, Catania (Italy), SIGU 2018
Hereditary Hearing Loss (HHL): the usefulness of multiple integrated methodologies for the molecular diagnosis of 166 Italian cases.
Morgan A, Lenarduzzi S, Cappellani S, Pecile V, Morgutti M, Ambrosetti U, La Bianca M, Faletra F, Grosso E, Sirchia F, Sensi A, Graziano C, Seri M, Gasparini P, Girotto G.
(Podium Presentation C21)

25th-27th October 2018, Catania (Italy), SIGU 2018
Genomics and functional studies to dissect the molecular bases of complex traits: the example of Age Related Hearing Loss (ARHL).
Girotto G, Brumat M, Di Stazio M, Campana E, Cocca M, La Bianca M, Ambrosetti U, **Morgan A**, Gasparini P.
(Podium Presentation C10)

15th-19th June 2018, Milan (Italy), European Society of Human Genetics
NGS and animal model reveal *SLC9A3R1* as a new gene involved in human age-related hearing loss (ARHL).
Morgan A, Brumat M, Cocca M, Di Stazio M, Bassani S, La Bianca M, Gasparini P, Girotto G.
(Podium Presentation C23.2)

15th-19th June 2018, Milan (Italy), European Society of Human Genetics
Discovery of new Hereditary Hearing Loss (HHL) genes by Whole Exome Sequencing (WES) and in vitro/in vivo functional studies: five years of experience.
Girotto G, **Morgan A**, Brumat M, Di Stazio M, Cappellani S, Campana E, Ambrosetti U, La Bianca M, Orzan E, Gasparini P.
(Poster Presentation P02.58A / A)

15th-19th June 2018, Milan (Italy), European Society of Human Genetics
Targeted Re-Sequencing (TRS) and high density SNP array for the molecular characterisation of Hereditary Hearing Loss (HHL).
Lenarduzzi S, Morgan A, Cappellani S, Pecile V, Morgutti M, Orzan E, Ambrosetti U, La Bianca M, Faletra F, Grosso E, Sirchia F, Sensi A, Graziano C, Seri M, Gasparini P, Girotto G.
(Poster Presentation P02.22A / A)

15th-19th June 2018, Milan (Italy), European Society of Human Genetics
When short stature leaves you speechless: Floating-Harbor syndrome.
Spinelli AM, La Bianca M, Rubinato E, **Morgan A**, D'Eustacchio A, Guastalla V, Guidolin F, Parmeggiani G, Faletra F, Bruno I.
(Poster Presentation E-P04.18)

15th-19th May 2018, Gottingen (Germany), Molecular Biology of Hearing and Deafness (MBHD) 2018
Genomic analysis of a large cohort of Hereditary Hearing Loss (HHL) Italian patients identified new genes/alleles and revealed the important role of copy number variants (CNVs) in hearing phenotype, in addition to the discovery of the first case of uniparental disomy (UPD) in LOXHD1 gene.
Morgan A, Lenarduzzi S, Cappellani S, Pecile V, Morgutti M, Orzan E, Ghiselli S, Ambrosetti U, La Bianca M, Faletra F, Grosso E, Sirchia F, Sensi A, Graziano C, Seri M, Gasparini P, Girotto G.
(Poster Presentation N° 34)

15th-19th May 2018, Gottingen (Germany), Molecular Biology of Hearing and Deafness (MBHD) 2018
Genetic insights of age-related hearing loss in Qatar.

Abdulhadi K, Girotto G, Mezzavilla M, Alkowari M, Di Stazio M, **Morgan A**, Cocca M, Hayder Y, Logendra B, Najjar N, Paolo Gasparini, Badii R.
(Poster Presentation N° 24)

15th-19th May 2018, Gottingen (Germany), Molecular Biology of Hearing and Deafness (MBHD) 2018
Hereditary Hearing Loss (HHL) in Qatar: targeted re-sequencing (TRS) and whole exome sequencing (WES) for the discovery of new mutations and genes.
Bassani S, Girotto G, Abdulhadi K, Alkowari M, **Morgan A**, La Bianca M, Badii R, Gasparini P.
(Poster Presentation N° 26)

15th-19th May 2018, Gottingen (Germany), Molecular Biology of Hearing and Deafness (MBHD) 2018
Genome-wide association studies (GWAS), targeted re-sequencing (TRS) and in vitro functional validations for the study of normal hearing function (NHF) and age-related hearing loss (ARHL).
Girotto G, Brumat M, **Morgan A**, Campana E, Cocca M, Catamo E, La Bianca M, Ambrosetti U, Gasparini P., Campana E, Cocca M, Catamo E, La Bianca M, Ambrosetti U, Gasparini P.
(Podium Presentation)

10th-15th February 2018, San Diego (US), ARO, 41st Annual MidWinter Meeting
Hear-'n-SEQ: an international collaboration to discover unknown genetic etiologies of hearing loss in kids.
Shen J, Cohen M, Giersch A, Goldenberg P, Kennal M, Oza A, Steeves M, Sweetser D, O'Brien A, Pandya A, Duzkale H, Eyerci N, Cao Y, Choy R, Li Y, Shu Y, Liu XZ, Tekin M, Yan D, Azaiez H, Smith RJH, Girotto G; **Morgan A**, Gasparini P, Morton C.
(Podium Presentation PD49)

10th-15th February 2018, San Diego (US), ARO, 41st Annual MidWinter Meeting
Haplotype Reconstruction Provides Insights into the Contributions of known Deafness-Causing Genes to Age-Related Hearing Loss.
Black-Ziegelbein EA, Azaiez H, Rubinato E, Wang K, **Morgan A**, Booth K, Brumat M, Vuckovic D, Concas M, Biino G, Vaccargiu S, Pirastu M, Girotto G, Gasparini P, Smith RJH.
(Poster Presentation PS 747)

15th-18th November 2017, Naples (Italy) SIGU 2017
***SLC9A3R1*: a new gene involved in human age-related hearing loss (ARHL).**
Morgan A, Di Stazio M, La Bianca M, D'Eustacchio A, Brumat M, Ambrosetti U, Gasparini P, Girotto G.
(Poster Presentation P156)

15th-18th November 2017, Naples (Italy) SIGU 2017
The Italian map of hereditary hearing loss genes: a peculiar case of Uniparental Disomy (UPD) and the discovery of new genes.
Girotto G, **Morgan A**, Lenarduzzi S, Morgutti M, La Bianca M, Faletra F, Sirchia F, Graziano C, Orzan E, Pecile V, Gasparini P.
(Podium Presentation C07)

27th-30th May 2017, Copenhagen (Denmark) European Society of Human Genetics
Next Generation Sequencing (NGS) followed by in vitro and in vivo functional studies revealed new genes for both Hereditary (HHL) and Age Related Hearing Loss (ARHL).
Morgan A, Vuckovic D, Di Stazio M, Alkowari M, Badii R, Abdulhadi K, La Bianca M, Ambrosetti U, Gasparini P, Girotto G**.**
(Poster Presentation P02.01A)

27th-30th May 2017, Copenhagen (Denmark) European Society of Human Genetics
Genome wide sequencing (WGS) reveals new insights into Age Related Hearing Loss (ARHL): cumulative effects and the role of selection.
Vuckovic D, Mezzavilla M, Cocca M, **Morgan A**, Brumat M, Gasparini P, Girotto G.
(Poster Presentation P02.07C)

11th-15th February 2017, Baltimore (US), ARO, 40th Annual MidWinter Meeting
Genome Wide Association Studies (GWAS), Targeted Re-sequencing (TRS) and Functional Validations for Unravelling Human Complex Traits: The Case of Hearing Function and Age Related Hearing Loss.
Morgan A, Vozzi D, Vuckovic D, La Bianca M, D'Eustacchio A, Brumat M, Ambrosetti U, Gasparini P, Girotto G.
(Poster Presentation PS124)

11th-15th February 2017, Baltimore (US), ARO, 40th Annual MidWinter Meeting
oboe – A New Model of Age-Related Hearing Loss Identifies a Role for Wars2 in Normal

Auditory Function.
Bowl MR, Aguilar C, Agnew T, **Morgan A,** Simon MM, Wells S, Gasparini P, Cox R, Brown SDM.
(Poster Presentation PS686)

11th-15th February 2017, Baltimore (US), ARO, 40th Annual MidWinter Meeting
Next Generation Sequencing (NGS) and Functional Studies for the Molecular Characterisation of Families and Sporadic Cases Affected by Hereditary Hearing Loss.
Girotto G, **Morgan A**, Vozzi D, Rubinato E, Alkowari M, Di Stazio M, Badii R, Bhagat S, Abdulhadi K, Ambrosetti U, La Bianca M, Gasparini P.
(Poster Presentation PS121)

11th-15th February 2017, Baltimore (US), ARO, 40th Annual MidWinter Meeting
Whole Genome Sequencing (WGS) Reveals Cumulative Variation Effects in Age Related Hearing Loss (ARHL).
Vuckovic D, **Morgan A**, Brumat M, Cocca M, Catamo E, Ambrosetti U, Gasparini P, Girotto G.
(Poster Presentation PS120)

23rd-26st November 2016, Torino (Italy) SIGU 2016
Combining genome wide association studies (GWAS), targeted re-sequencing (TRS) and animal studies for the discovery of the genetics of age-related hearing loss (ARHL).
Morgan A, Vozzi D, Vuckovic D, La Bianca M, D'Eustacchio A, Brumat M, Ambrosetti U, Gasparini P, Girotto G.
(Podium Presentation)

23rd-26st November 2016, Torino (Italy) SIGU 2016
Next Generation Sequencing (NGS) and in vitro/in vivo approaches for the molecular characterisation of Italian and Qatari families affected by hereditary hearing loss.
Girotto G, **Morgan A**, Vozzi D, Rubinato E, AlKowari MK, Di Stazio M, Badii R, Bhaghat S, Abdulhadi K, La Bianca M, Castorina P, Ambrosetti U, Gasparini P.
(Podium Presentation)

17th-21st September 2016, Montpellier (France) Inner Ear Biology 2016
Genome wide association studies (GWAS), targeted re-sequencing (TRS) and animal studies: A powerful multi-step approach for the discovery of the genetics of age-related hearing loss (ARHL).
Morgan A, Vozzi D, Vuckovic D, La Bianca M, D'Eustacchio A, Concas MP, Pirastu M, Gasparini P, Girotto G.
(Podium Presentation O33)

17th-21st September 2016, Montpellier (France) Inner Ear Biology 2016
Next generation sequencing (NGS) and in vivo/in vitro approaches for the molecular characterisation of Hereditary Hearing Loss in Italian and Qatari families.
Girotto G, **Morgan A**, Vozzi D, Rubinato E, AlKowari MK, Di Stazio M, Badii R, Bhaghat S, Abdulhadi K, La Bianca M, Gasparini P.
(Podium Presentation O32)

21st-24th May 2016, Barcelona (Spain) European Society of Human Genetics
Targeted/Whole Exome Sequencing plus Animal Models for the molecular characterisation of Hereditary
Hearing Loss (HHL)
Morgan A, Vozzi D, Rubinato E, Khalifa Al-Kowari M, Di Stazio M, Badii R, Abdulhadi K, La Bianca M, Gasparini P, Girotto G.
(Poster Presentation P02.23)

21st-24th May 2016, Barcelona (Spain) European Society of Human Genetics
Myhre syndrome with a full spectrum of cardiovascular and gastrointestinal complications
A. M. Spinelli A.M, **Morgan A**, Rubinato E, Pellegrin M.C , Delise A, Guastalla V, Benettoni A, Bruno I, Faletra F.
(Poster Presentation P04.065)

21st-24th May 2016, Barcelona (Spain) European Society of Human Genetics
Oculo-auriculo-vertebral spectrum: High-Throughput Analysis.
Rubinato E, Vozzi D, Gandin I, **Morgan A**, D'Eustacchio A, La Bianca M, Pecile V, Gasparini P, Faletra F.
(Poster Presentation P11.116)

21st-24th May 2016, Barcelona (Spain) European Society of Human Genetics
Unravelling human complex traits: the case of hearing function and age related hearing loss.
Vuckovic D, **Morgan A**, Concas M.P, Ciullo M, Nutile T, Pirastu M, Huentelman M.J, Schrauwen I,

Friedman R.A, Fransen E, Van Camp G, Gasparini P,Girotto G.
(Poster Presentation P02.09)

17th-20th May 2016, Cambridge (UK), Molecular Biology of Hearing and Deafness (MBHD) 2016
Genome Wide Association Studies (GWAS), Targeted Re-Sequencing (TRS) and Functional Studies: a powerful approach for the discovery of the genetic causes of Age-Related Hearing Loss (ARHL).
Morgan A, Vozzi D, Vuckovic D, La Bianca M, D'Eustacchio A, Concas MP, Pirastu M, Gasparini P, Girotto G.
(Poster Presentation P58)

7th-20th May 2016, Cambridge (UK), Molecular Biology of Hearing and Deafness (MBHD) 2016
Next generation sequencing and functional studies for the discovery of new Hereditary Hearing Loss genes in Italian families and sporadic cases
Rubinato E, **Morgan A**, Vozzi D, Vuckovic D, Di Stazio M, Ambrosetti U, Castorina P, Gasparini P, Girotto G.
(Poster Presentation P)

20th-24th February 2016, San Diego (US), ARO, 39th Annual MidWinter Meeting
Genome Wide Association Studies (GWAS), Targeted Re-Sequencing (TRS) and Animal Studies: a combined approach aimed to investigate the genetic causes of Age-related Hearing Loss (ARHL).
Morgan A, Vozzi D, Vuckovic D, La Bianca M, Concas MP, Pirastu M, Gasparini P, Girotto G.
(Podium Presentation PD29)

20th-24th February 2016, San Diego (US), ARO, 39th Annual MidWinter Meeting
Next generation sequencing and animal studies: a multistep approach for the discovery of new Hereditary Hearing Loss genes.
Girotto G, **Morgan A**, Vuckovic D, Rubinato E, Di Stazio M, Badii R, AlKowari M, Vozzi D, Gasparini P.
(Podium Presentation PD25)

20th-24th February 2016, San Diego (US), ARO, 39th Annual MidWinter Meeting
High Frequency of GJB2 Splice-site Mutation c.-22-2A>C in a Large Cohort of Italian Age Related Hearing Loss Patients and Matched Controls.
Rubinato E, Azaiez H, BlackZiegelbein E, **Morgan A**, Booth K, Vozzi D, Sloan C, Frees K, Vuckovic D, Concas MP, Ephraim S, Biino G, Vaccargiu S, Girotto G, Pirastu M, Gasparini P, Smith R.
(Poster Presentation PS568)

12th-15th September 2015, Rome (Italy) Inner Ear Biology 2015
Yield Of A Targeted Gene Sequencing Approach Within A Regional Universal Newborn Hearing Screening And Childhood Surveillance Program: A 2 Year Experience In Friuli Venezia Giulia, Italy
Orzan E, Girotto G, Gregori M, Marchi R, Marchese C, Monasta L, **Morgan A**, La Bianca M, Vozzi D, Gasparini P.
(Poster Presentation P85)

12th-15th September 2015, Rome (Italy) Inner Ear Biology 2015
A new targeted re-sequencing panel for unveiling the genetic causes of age-related hearing loss (ARHL).
Morgan A, Vozzi D, Vuckovic D, La Bianca M, D'Eustacchio A, Concas MP, Pirastu M, Gasparini P, Girotto G.
(Poster Presentation P86, Winner of the Spoeldling Award)

12th-15th September 2015, Rome (Italy) Inner Ear Biology 2015
Next generation sequencing for the of hereditary hearing loss: PSIP1/LEDGF as a new gene causing sensorineural progressive hearing loss and variable eye phenotypes.
Girotto G, Scheffer DI, **Morgan A**, Vozzi D, Rubinato E, Di Stazio M, Muzzi E, Pensiero S, Giersch AB, Corey DP, Gasparini P.
(Podium Presentation O22)

6th-9th June 2015, Glasgow (UK) European Society of Human Genetics 2015
Genome-wide association study and targeted re-sequencing: a new combined approach to investigate the genetic causes of Age-related Hearing Loss (ARHL).
Morgan A, Vozzi D, Vuckovic D, La Bianca M, D'Eustacchio A, Concas MP, Pirastu M, Gasparini P, Girotto G.
(Poster Presentation PM02.50)

6th-9th June 2015, Glasgow (UK) European Society of Human Genetics

NGS revealed PSIP1/LEDGF as a new gene causing sensorineural progressive hearing loss and variable eye phenotypes.
Girotto G., Scheffer DI, **Morgan A**, Vozzi D, Rubinato E, Di Stazio M, Muzzi E, Pensiero S, Giersch AB, Corey DP, Gasparini P.
(Poster Presentation PM02.30)

6th-9th June 2015, Glasgow (UK) European Society of Human Genetics
High throughput sequencing in molecular diagnosis of non syndromic intellectual disability. New mutations identified within 71 genes specifically selected for non syndromic ID.
Faletra F, **Morgan A**, Gandin I, Palumbo P, Palumbo O, Biamino E, Dal Col V, Laurini E, Pricl S, Bosco P, Carella M, Ferrero GB, Romano C, D'Adamo AP, Vozzi D.
(Poster Presentation PS08.33)

21st-25th February 2015, Baltimore (US), ARO, 38th Annual MidWinter Meeting.
Hereditary Hearing Loss: The Use of a High Throughput and Multistep Approach to Identify New Genes.
Girotto G; **Morgan A**; Vuckovic D; RubinatoE ; Gandin I; Di Stazio M; Badii R; Vozzi D; Gasparini P.
(Podium Presentation PD-83)

21st-25th February 2015, Baltimore (US), 38th ARO MidWinter Meeting.
A New Targeted Re-Sequencing Protocol to Investigate the Genetic Causes of Age-Related Hearing Loss.
Morgan A, Vozzi D, La Bianca M, D'Eustacchio A, Concas MP, Pirastu M, Gasparini P, Girotto G.
(Podium Presentation PD-84)

30th August-2nd September 2014, Sheffield (UK), Inner Ear Biology (IEB) 2014
New Hereditary hearing loss (HHL) genes/mutations identified by High throughput technologies in the Italian and Qatari populations.
Girotto G,.Vozzi D, Rubinato E, **Morgan A**, Abdulhadi K, Vuckovic D, Di Stazio M, D'Eustacchio A, La Bianca M, Badii R and Gasparini P.
(Podium Presentation O28)

31st May - 3rd June 2014, Milan (Italy), European Society of Human Genetics 2014
Targeted re-sequencing and USH syndrome: a robust and accurate protocol overcoming the problem of genetic heterogeneity and leading to the discovery of several new mutations.
Lenarduzzi S, Graziano C, Castorina P, Ambrosetti U, **Morgan A**, Rubinato E, Girotto G, Vozzi D, Morgutti M.
(Poster Presentation P14.90-M)

31st May - 3rd June 2014, Milan (Italy), European Society of Human Genetics 2014
High throughput analysis in Goldenhar syndrome.
Dipresa S, D'Eustacchio A, **Morgan A**, Gasparini P.
(Poster Presentation P11.067-S)

31st May - 3rd June 2014, Milan (Italy), European Society of Human Genetics 2014
A novel deletion mutation involving TMEM38B associated with autosomal recessive osteogenesis imperfecta.
Rubinato E, **Morgan A**, D'Eustacchio A, La Bianca M, Pecile V, Gortani G, Gasparini P, Faletra F.
(Poster Presentation P04.48-M)

31st May - 3rd June 2014, Milan (Italy), European Society of Human Genetics 2014
New Hereditary Hearing Loss (HHL) genes/mutations identified by High throughput technologies in the Qatari population.
Girotto G, Vozzi D, Badii R, Rubinato E, **Morgan A**, Vuckovic D, Khalifa Alkowari M, D'Eustacchio A, La Bianca M, Gasparini P and Abdulhadi K.
(Podium Presentation C12.2)

22nd-26th February 2014, San Diego (US), 37th ARO MidWinter Meeting.
The Use of Different NGS Protocols to Study Inherited Forms of Hereditary Hearing Loss (HHL).
Gasparini P, Vozzi D, **Morgan A**, Vuckovic D, Rubinato E, Di Stazio M, Faletra F, Lenarduzzi S, Girotto G.
(Podium Presentation PD-008)

22nd-25th June 2013, Stanford University - Palo Alto US, Molecular Biology of Hearing and Deafness.
Targeted exome capture and paired-end massively parallel sequencing reveal new mutations for human hereditary deafness in the middle east.
Vozzi D, **Morgan A**, Morgutti M, Lenarduzzi S, Rubinato E, Faletra F, Girotto G, Gasparini P. (Poster

Presentation)