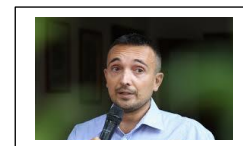


GENOMIC SCIENTIST & HEALTHCARE DIGITAL ENTREPRENEUR



Experienced in project management on the healthcare ecosystem, team leadership and business development. Passionate attitude on biomedical research and genomics; proven healthcare business knowledge. Curious with processes-oriented mindset, clear thinker, able to pursue objectives with discipline and resilience in different environment. Outstanding written and oral communication and interpersonal focus. Strong focus on reshaping healthcare services thru digital solutions, latest technologies and strategic partnerships.

Specialties: eHealth, telemedicine, genomics, rare diseases, genetic counseling, Next-Generation Sequencing, bioinformatics, bibliometrics and molecular biology techniques. Business development, innovation programs, driving changes and strategic partnerships.

PROFESSIONAL EXPERIENCE

Kaleidos SCS, Bergamo – President & Chief biomed projects officer 2015 - today
General management, business development, responsible for genetic programs, scientific officer, primary care, interoperability & data driven decisional support ([video](#)).

Net-Medicare SRL, Bergamo – CEO & Co-founder 2017 - today
General management, business development, strategic partnership, development of IT platforms, certification processes & data driven decisional support.

PREVIOUS PROFESSIONAL EXPERIENCE

Finlombarda SpA, Milan – Scientific expert 2016 - 2018
Assessing applications in the biomedical field

Ring14 International, Milan – Scientific coordinator 2015 - 2018
Scientific programs officer

Fondazione Telethon, Milan – Research Program Manager 2010 - 2014
Manager in charge of genomics, bibliometrics and biobanking programs

National Institute of Molecular Genetics, Milan – Senior researcher 2007 - 2010
Head of the Functional Genomics unit

University of California Irvine, California (USA) – Post-doc researcher 2004 - 2007
Principal investigator on mitochondrial medicine and genetics projects

IRCSS Ospedale Policlinico, Milan – Junior researcher 2003
Specialist in charge of the Gene-expression profiling platform

EDUCATION

Università degli studi di Siena – **Master's degree in Genetic Counseling** 2017 - 2019

Università degli studi di Milano – **PhD in Molecular Medicine** 2000 - 2003
Thesis: "Eziopatogenesi molecolare delle Encefalomiopatie Mitocondriali"

Università degli studi di Milano – **Bachelor's degree in Medical Biotechnology** 1995 – 2000
Thesis: "Meccanismi molecolari coinvolti nel differenziamento neuronale indotto da Acido retinoico nella linea cellulare di neuroblastoma umano SH-SY5Y"

KEY CERTIFICATIONS & TRAININGS

- “*Master in Finanziamenti europei*”, Fondazione Fenice (2014)
- “*Formazione all’internazionalizzazione delle imprese cooperative*”, ICE (2015)
- “*La gestione di servizi accreditati aspetti giuridici, aspetti progettuali*”, COESI (2015)
- “*Health care guidelines on rare diseases: quality assessment*”, ISS (2015)
- “*Genetics for primary care professionals*”, Gen-Equip project (2016)
- “*Corso di formazione per responsabili di cooperative*”, COESI (2016)
- “*Introduzione al nuovo regolamento Europeo sulla Privacy*”, ITER (2016)
- “*Clinical Genomics and NGS*”, ESHG (2018)
- “*Genomic practice for Genetic Counsellors*”, Wellcome Genome Campus in Cambridge (2019)
- “*Genetica e genomica pratica*”, ISS (2021)
- “*Approcci in NGS ed analisi omiche per lo studio e la diagnosi di malattie umane/mendeliane*”, Scuola Medica Ospedaliera (2021)

OTHER APPOINTMENTS & TEACHING ACTIVITIES

- Board member of *Servizi Integrativi SRL*
- Member of the national Board of *FederazioneSanità*, [link](#) (2018-to date)
- Board member of *ISPS-Lombardy*
- Member of the Expert Panel of Horizon 2020 (EX2014D200905)
- Member of the Council of European Federations (CEF) of *Eurordis* (2016-to date)
- Member of REPRISE, the register of Scientific Experts @ the Ministry of Research (2018-to date)
- Member of the Telehealth task force of *IRDIRC*, [link](#) (2022-to date)
- Reviewer for several scientific journals (Human Mutation, Neurology, Neurobiology of Diseases, Molecular Genetics and Metabolism, BMC Genomics, et al.)
- Tutor, PhD course in *Medicina Molecolare e Transazionale*, *Università di Milano Bicocca* (2008-2009)
- Lecturer, *Università degli studi di Milano* (2004 and 2009-2011)
- Member of the Review Panel of “Lombardia e Ricerca” award, *Regione Lombardia* (oct. 2022)

AWARDS & HONOURS

- Recipient of the FISV-Prize reserved to “Young researchers” (2000)
- Recipient of the “European Neurology Society” travel grant reserved to “Young first Authors” (2002)
- Award “G. Galletti prize” for the best PhD thesis dissertation in Neuroscience (2004)
- Recipient of the “The Sass Foundation for Medical Research” fellowship (2006)
- Award: “Genomic Pioneer”, Human Genome Organization-HUGO (2008)
- Recipient of the Bursary Award, GPGC course, Wellcome Genome Campus (2019)
- Award: “TOP of the PID” – Unioncamere (2021)

PATENTS & GRANTS

- Patent application nr. 102021000016811 “*Metodo per facilitare un percorso diagnostico-terapeutico, e relativo programma per computer*”
- Patent application nr. 102021000024269 “*Metodo per organizzare un incontro tra un utente e un medico, e relativo programma per computer*”
- Trademarks: Net-Medicare® and Genome Access®
- To date MC received 14 grants to support his activity. Recent obtained grants (last 2 years):
 - o “*Supporto psicologico e infermieristico di pronta reperibilità attraverso piattaforma telematica*” - Fondazione della Comunità Bergamasca
 - o “*Welfare gets to work*” - Bando #Conciliamo
 - o Bando spese inderogabili programma “Rinascimento” – CESVI Bergamo
 - o “*Espandere la telemedicina nella pratica clinica attraverso il potenziamento di una piattaforma già operativa e autorizzata*” - Bando SI4.0_2020 CCIAA-Bergamo
 - o “*Piattaforma di Counseling genetico Genome Access*” – Bando “Artemisia” CESVI
 - o “*EMPATY, e-mental health*” – Bando IdeeRete Assimoco
 - o “*Messa a sistema di servizi di telegenetica attraverso piattaforma digitale*” - Bando SI4.0_2021 CCIAA-Bergamo

SCIENTIFIC PUBLICATIONS

H-index: 19 (source *Publons*) / 23 (source *Google scholar*)

Total of 39 publications in peer-reviewed journals plus 71 abstracts related to oral/poster communications presented in scientific meetings or book chapters. The full list available through Web of Science, ResearcherID: [AAC-4514-2021](#))

5 top peer-reviewed publications

- [A collection of 33 novel human mtDNA homoplasmic variants](#). *Human Mutation* - 2002
- [A missense mutation in the mitochondrial ND5 gene associated with a Leigh-MELAS overlap syndrome](#). *Neurology* - 2003
- [Skeletal Muscle Gene Expression Profiling in Mitochondrial Disorders](#). *FASEB Journal* - 2005
- [The mitochondrial genome, a growing interest inside an organelle](#). *International Journal of Nanomedicine* - 2008
- [Heteroplasmy of mouse mtDNA is genetically unstable and results in altered behavior and cognition](#). *Cell* - 2012

5 most recent peer-reviewed publications

- [Guidelines recommendations on the diagnosis and clinical management of children affected by Ring14 syndrome – report of the first dedicated task force](#). *Orphanet Journal of Rare Diseases* – 2017
- [Consensus based recommendations for diagnosis and medical management of Poland syndrome \(sequence\)](#). *Orphanet Journal of Rare Diseases* – 2020
- [Building awareness on Genetic counseling: the launch of Italian Association of Genetic Counselors \(AIGeCo\)](#). *Journal of Community Genetics* – 2020
- [The genetic counseling in a patient affected by congenital polyneuropathy after a "diagnostic odyssey" recently solved with WES approach](#). *European Journal of Translational Myology* – 2022
- [The Past, Present, and Future for Constitutional Ring Chromosomes: A Report of the International Consortium for Human Ring Chromosomes \(ICHRC\)](#). *HGG Advances* - 2022

Most relevant lectures on invitation:

- "Incite customer forum", 28-29 November 2011, London (UK)
- "Workshop on the Informed Consent", 23-24 April 2014, Rome (Italy)
- "Hands on Registries", Istituto Superiore di Sanità, 30 June 2015, Rome (Italy)
- "RD-Connect meeting", 9 March 2016, Barcelona (Spain)
- "GenEquip meeting", 5 May 2017, London (UK)
- "2nd Ring14 USA Family Conference", 26 July 2018, Orlando (USA)
- "Seminar on Italian SMEs" @ Expo 2020, 16 March 2022, Dubai (UAE)
- "ESID/ERN-RITA Workshop", 30-31 May 2022, Paris (France)
- "Ring 20 Family Conference 2022", 23-25 September 2022, Cambridge (UK)

LANGUAGES

Italian: mother tongue

English: fluent

OTHER INFORMATION

- Digital skills: Windows & macOS, MS Office suite & video making.
- Personal time: sports (mainly biking and basket), travelling and gardening.

Bergamo, 27 September 2022

Sincerely,

