



Europass Curriculum Vitae



Personal information

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E-mail	luca.morandi2@unibo.it		
Nationality	Italian		
Date of birth	28/09/1967		
Gender	Male		

Occupational field	Actual position: Associate Professor, Department of Biomedical and Neuromotor Sciences, University of Bologna; Chief Technology Officer, Studium Genetics S.r.l. a spin-off of the University of Bologna
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Work experience	October the 10th 2022: Associate Professor, Department of Biomedical and Neuromotor Sciences, University of Bologna May 2022: founder of Studium Genetics S.r.l. (www.studiumgenetics.com), a spin-off of the University of Bologna March 2021: engaged at the Azienda USL of Bologna at the IRCCS Istituto delle Scienze Neurologiche di Bologna, Functional and Molecular Neuroimaging Unit, Bellaria Hospital, via Altura 3, 40139 Bologna, Italy October 2019: engaged as a senior assistant professor (fixed-term) at the Department of Biomedical and Neuromotor Sciences, University of Bologna (Scientific area: Clinical Biochemistry and molecular biology) Since Dec 2005 he was engaged at the Dept of Biomedical and Neuromotor Sciences - DIBINEM – University of Bologna, section of Anatomic Pathology Bellaria Hospital (actual position D2, Senior Research Technician) Dec 2013- Feb 2017: Founder and R&D consultant of 4Bases SA, CH(www.4bases.ch) Sept 2003-2012: Founder and consultant of Alphagenics Biotechnologies S.r.l. Area Science Park Basovizza, Trieste (www.alphagenicsbiotech.com) July 1996-Aug 2003: R&D Scientific Director and founder of Alphagenics Biotechnologies S.r.l. Area Science Park Padriciano 99 Trieste 2009-2010: Principal Investigator of the project entitled “Metodo predittivo di prognosi e risposta alla chemioterapia nel cancro alla mammella” supported by grant Friuli Venezia Giulia, proposal 2009 2007-2008: Principal Investigator of the project entitled “Genomics and Epigenomics of primary breast cancer and recurrence” supported by grant Friuli Venezia Giulia, proposal 2007 2007-2008: Principal Investigator of the project entitled “AlphaReal Beacon” supported by grant Friuli Venezia Giulia, proposal 2007 1999-2000: Principal Investigator of the project entitled “DNA Chips e High Density Microarray per lo Studio di Tumori Umani” supported by grant Fondo Trieste, proposal 1999 1999: Principal Investigator of the project entitled “Metodi innovativi di individuazione di nuovi marker tumorali e poliforfismi genetici correlati a particolari patologie” supported by grant Regione Friuli Venezia Giulia proposal 1999 1996-1998: Principal Investigator of the project entitled “Alphagenics” supported by EU grant Objective 2 94/96 May 1995-June 1996: Product Specialist NLM - Innogenetics
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Dates	1993: Academic Degree in Biology, at the faculty of Mathematics, Physics and Natural Sciences of Bologna (Thesis Title: Gene expression analysis of malic enzyme in <i>Zea mays</i>) 1999 Specialty in Applied Genetics at the faculty of Mathematics, Physics and Natural Sciences of Bologna (Thesis Title: Ancient DNA: purification and analysis in human skeletal remains") 2003 <i>PhD</i> in Oncology, at the University of Bologna – Department of Experimental Pathology (Thesis Title: Intraepidermal Cells of Paget’s Carcinoma of the Breast Can Be Genetically Different From Those of the Underlying Carcinoma) 2003-2004 Post Doc fellowship at Department of Experimental Pathology, University of Bologna Tutorship of the following <i>PhD</i> thesis: - Dr Gissi Davide XXVII cycle: Profili di espressione genetica ed epigenetica ad impatto prognostico e predittivo nel carcinoma squamoso e nelle lesioni potenzialmente maligne del cavo orale; - Dr Visani Michela XXV cycle: MicroRNAs expression analysis in high grade gliomas; - Dr. Baldissera Antonella XXI cycle: Focalita’ e clonalita’ nei carcinomi in situ ed invasivo mammari, studio genetico e nuove tecniche di radioterapia; - Dr del Corso Giacomo XXIX cycle: MicroRNA in Oral Squamous Cell Carcinoma and Oral Potentially Malignant Lesions: from biological discovery to clinical utility; - ongoing: Dr Andrea Gabusi XXX cycle: tumor heterogeneity in oral squamous cell carcinoma																																					
Personal skills and competences																																						
Mother tongue(s)	Italian																																					
Other language(s)	English: CLA UNIBO certified																																					
Self-assessment																																						
European level (*)																																						
English	<table><tr><th colspan="4">Understanding</th><th colspan="4">Speaking</th><th colspan="2">Writing</th></tr><tr><th colspan="2">Listening</th><th colspan="2">Reading</th><th colspan="2">Spoken interaction</th><th colspan="2">Spoken production</th><th colspan="2"></th></tr><tr><td></td><td>C1</td><td></td><td>C1</td><td></td><td>C1</td><td></td><td>C1</td><td></td><td>C1</td></tr></table>								Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production					C1		C1		C1		C1		C1
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	(*) Common European Framework of Reference for Languages																																					
Technical experiences and computer skills	Skills: DNA Sequencing; Fragment Analysis; LOH analysis and microsatellite instability; Gene expression microarrays(Agilent platform); CGH-arrays (Agilent Platform); Real time PCR; Laser assisted microdissection, Reverse Dot/Blot (ASO), PCR-ELISA, quantitative competitive PCR, PCR-RFLP, PCR-DGGE, Western Blotting, Northern Blotting, Southern Blotting, methylation sensitive PCR; quantitative methylation sensitive Real Time PCR by Molecular beacon; Next Generation Sequencing: Nanopore Sequencing (Oxford Nanopore GridION), MiSEQ-Illumina at IRCSS Neuroscience Bellaria Hospital, MiniSEQ at 4Bases SA; IonTorrent at ARC-NET University of Verona; 454-GS Junior Roche at Anatomia Patologica Bellaria Hospital) for mutation analysis, DNA methylation (Bisulfite-SEQ), Copy number variation, splicing variant discovery, microRNA expression, NGS bioinformatic data analysis by perl; bismarck bisulfite read mapper, Galaxy cloud computing (http://usegalaxy.org/), BaseSpace including BWA, VariantStudio, NextGene, SeqPilot, CLC Genomic Workbench, BISMA (http://services.ibc.uni-stuttgart.de/BDPC/BISMA/), BWAMeth, Methyldackel, Methylation Plotter.																																					

Patents

- WO2014009798 (a1) gene expression profiling using 5 genes to predict prognosis in breast cancer; Inventor: Luca Morandi MP Sormani, JL Centeleghe
 - EP 2218794 (A1) - Detection of instability in regions of genomic DNA containing simple tandem repeats demande 00233/09 (Art. 46b al. 10BI) Applicant: Alphagenics International SA Inventor: Luca Morandi Title: Detection of instability in regions of genomic DNA containing simple tandem repeats
 - EP 2218793 (A1) - Detection of MGMT methylation in tumors P1994CH00 / 201-9 Demande 00232/09 Applicant : Alphagenics International Sarl ; Inventor : Luca Morandi; Title : Promoter methylation analysis of O6-methylguanine-DNA methyltransferase (MGMT) detected by locked nucleic acid based quantitative PCR and molecular beacon chemistry using an imprinted gene (SNURF) as a reference
 - WO2011104694 (A2) Inventor: Luca Morandi, " Detection of BRAF V600E mutation by allele specific real time quantitative PCR (AS-qPCR) using locked nucleic acids primers and beacon probes" Au nom de : Gammagenetics Sàrl V/Réf. : BRAF N/Réf. : P2121PC00 / 0649-004
 - WO2011104695 (A2) Inventor: Luca Morandi, "Detection of kras mutation in exon 2 by allele specific real time quantitative PCR (AS-QPCR)" Au nom de : Gammagenetics Sàrl V/Réf. : KRAS N/Réf. : P2122PC00 / 0649-005
 - PCT/IB2017/056875, EP3374527: Inventors: Luca Morandi, Davide Gissi, Achille Tarsitano: Quantitative DNA Methylation analysis to early detect Oral Squamous Cell Carcinoma from exfoliating brushes of oral mucosa Applicant: University of Bologna
- Award: "Gene expression profiling in gliomas and IHC evaluation of IGFBP-2" presented at the 3rd Intercontinental Congress of Pathology Barcelona 2008
- Award: Innovation 3L 3T "Early Birds" 2008 AREA Science Park (Trieste) kit ALphaReal KRAS
- Award: Innovation 3L 3T "Early Birds" 2009 AREA Science Park (Trieste) kit ALphaReal BRAF
- Award: Innovation 3L 3T "Early Birds" 2012 AREA Science Park (Trieste) kit ALphaReal MGMT
- Award: Best Poster XIV congresso nazionale Società Italiana di Patologia e Medicina Orale (SIPMO 2017)

Research activity:

Publications (from Scopus): H-index: 28 (Scopus 19/01/2024), 111 documents, citations: 2314.

ORCID ID: orcid.org/0000-0002-3810-9760

Scopus ID: [7005265175](https://scopusid.org/7005265175)

Researcher ID: [A-3191-2016](https://publons.com/a/1359859/)

Publons: publons.com/a/1359859/

Ad hoc Reviewer of the following impacted Journals: International Journal of Molecular Sciences; CCLM; Sensors; Journal of Virological Methods; Human Pathology; Virchow Archives; Archives of Oral Pathology; BBA - Molecular Basis of Disease; Medical Science Monitor; Advances in Cancer Prevention; Cancers; Cancer Biomarkers; Cancer Medicine; Journal of International Medical Research; Expert Review of Molecular Diagnostics; Epigenetics; BMC Cancer; Biomedicine; Cancer Biology and Medicine; Epigenomics; Future Oncology; Journal of Clinical Medicine; Oral Diseases; Member of SIAPEC-IAP, European Society of Pathology (ESP), SIBIOC, AIRMM, SIGU.

Publications:

- Russo F, Notarnicola M, Di Matteo G, Leoci C, Caruso ML, Pirrelli M, Caradonna M, Morandi L, Di Leo A; Detection of *Helicobacter pylori* cagA gene by polymerase chain reaction in faecal samples. *Eur J Gastroenterol Hepatol* 1999 Mar;11(3):251-6
- Foschini MP, Morandi L, Macchia S, Dal Monte PR, Pession A. Dimostrazione del virus TT in tessuto epatico fissato in formalina ed incluso in paraffina; *Pathologica* 2001 Apr;93(2):112-7
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- Foschini MP, Morandi L, Macchia S, DalMonte PR, Pession A. TT virus-related acute recurrent hepatitis. Histological features of a case and review of the literature. *Virchows Arch.* 2001 Dec;439(6):752-5. IF:1.709
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- G. Collina, L. Morandi, A. Lanzoni, M. Reggiani; Cutaneous atypical mycobacteriosis detected using PCR: report of two cases; *Br J Dermatol.* 2002 Oct;147(4):781-4.
- Di Tommaso L, Macchia S, Morandi L, Leoncini S, Pession A, Dal Monte PR, Foschini MP. Correlation between histologic staging, hepatitis C virus genotypes and clinical features in HCV chronic hepatitis: evidence of a new pattern. *Int J Surg Pathol.* 2003 Jul;11(3):197-204.
- A. Bordoni, A. Astolfi, F. Danesi, D. de Biase, R. Leghissa, Morandi L., M. di Nunzio, A. Pession (2007). Modulation of gene expression by n-3 PUFAs as a novel adjunctive therapeutic modality for hypertension, cardiac hypertrophy and heart failure. *ITALIAN journal of biochemistry*, 2007 vol. 56; p. 99, ISSN: 0021-2938
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- bordoni a, astolfi a, morandi l., pession a, danesi f, di nunzio m, franzoni m, pession a (2007). modulation of cardiac gene expression profile by n-3 pufas and its implication in hypertrophy and heart failure. *journal of molecular and cellular cardiology*, vol. 42, suppl 1; p. s74, issn: 0022-2828
- a. bordoni, a. astolfi, morandi l., a. pession, f. danesi, m. di nunzio, p.l. biagi, a. pession (2006). epa and dha incorporate in neonatal rat cardiomyocyte lipids and modulate genes related to cardiac hypertrophy: what is the role of ppar?. *chemistry and physics of lipids*, 2006, vol. 143; p. 86 - 87, issn: 0009-3084
- s.damiani, morandi l., s.asioli, a.cavazza, a.pession (2004). iperplasia adenomatosa atipica polmonare. *pathologica*, 2004, vol. 96; p. 212, issn: 0031-2983
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- Foschini MP, Morandi L, Leonardi E, Flamminio F, Ishikawa Y, Masetti R, Eusebi V. Genetic clonal mapping of in situ and invasive ductal carcinoma indicates the field cancerization phenomenon in the breast. *Hum Pathol*. 2013 Jul;44(7):1310-9. doi: 10.1016/j.humpath.2012.09.022. Epub 2013 Jan 18. IF: 2.806
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Dr Luca Morandi
