

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name	BLASI ELISABETTA		
Address	VIA CAMPI 287, 41125 MODENA (ITALIA)		
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E-mail	elisabetta.blasi@unimore.it		
Nationality	Italian		
Date of Birth	August 4, 1957		
Gender	F		

WORK EXPERIENCE

- | | |
|--|---|
| • Dates (from - to) | 1994-to date: Full Professor of Microbiology and of Clinical Microbiology, University of Modena and Reggio Emilia, Modena, Italy
2008-to date: Manager of a "Programma Assistenziale" focused on "Innovative diagnosis of invasive fungal infections" at the Azienda Ospedaliero-Universitaria, Policlinico di Modena, Modena |
| • Name and address of the employer | 2007-to date: Director of the "School of Specialization" in Microbiology and Virology, University of Modena and Reggio Emilia, Modena, Italy (school aggregated with Bologna)
2003-2008: Vice-Director of the Department of Public Health Sciences, University of Modena and Reggio Emilia, Modena, Italy
1997-2002: Director of the "School of Specialization" in Microbiology and Virology, University of Modena and Reggio Emilia, Modena, Italy
1992-1994: Associate Professor of Microbiology, University of Perugia, Perugia, Italy.
1989-1992: University Researcher, University of Perugia, Perugia, Italy.
1985-1986: Visiting Associate, NIH-National Cancer Institute, Laboratory of FCRF, Frederick, MD, USA
1982-1985: Visiting Fellow, NIH- National Cancer Institute, Laboratory of FCRF, Frederick, MD, USA |
| • Type of business or sector | Education and research at the University |
| • Occupation or position held | Full professor in Microbiology and Clinical Microbiology |
| • Main activities and responsibilities | Teaching in Medical School and research activities in Medical and Clinical Microbiology |

EDUCATION AND TRAINING

- Dates (from - to)

1988: PhD Degree in "Experimental Medicine" University of Perugia, Italy
- Name and type of organisation providing education and training

1986: Degree of Specialist in Microbiology and Virology, School of Specialization, Faculty of Medicine, University of Perugia, Italy
1985-1986: Visiting Associate, NIH-National Cancer Institute, Laboratory of FCRF, Frederick, MD, USA
1982-1985: Visiting Fellow, NIH- National Cancer Institute, Laboratory of FCRF, Frederick, MD, USA
1980: Degree in Biological Sciences, University of Perugia, Perugia, Italy

- Principal subjects/occupational skills covered

RESEARCH INTERESTS

The main research issues include:

- Host-parasite interaction in opportunistic infections: studies on the role of macrophages and on the impact of specific virulence factors
- Fungal genotype and dimorphic transition in the pathogenesis of *Candida albicans* infections
- Search for new markers as ancillary tools the diagnosis of fungal infections
- Pathogenic role of microbial biofilm: conventional and innovative moieties to counteract microbial biofilm formation and persistence
- Microbial synergisms in mixed infections
- Microbiota in health and disease

TEACHING IN PRE- AND POST-DOCTORAL COURSES:

1. School of Medicine
2. Dental school
3. Dental Hygiene degree
4. Technician of Biomedical Laboratory degree
5. School of Specialization in Microbiology and Virology
6. Other Schools of Specialization for Medical Doctors

- Title of qualification awarded
- Level in national or international classification (if relevant)

NATIONAL AND INTERNATIONAL GRANTS

- Microarray immunoassays for the serodiagnosis of infectious diseases - **British-CRUI** Program for young scientists 2004-2005 (E. B. : referent for the Italian partnership)
- Funghi opportunisti patogeni e immuno-reattività macrofagica: eventi molecolari coinvolti nella interazione cellula-cellula, localizzazione intracellulare resistenza fungina ai sistemi effettori macrofagici; **PRIN 2005-MIUR** (E.B.: responsabile UO)
- Miceti opportunisti patogeni e reattività macrofagica: fattori genetici ed ambientali che condizionano la dinamica e l'evoluzione del

- processo infettivo; **PRIN 2007-MIUR** (E. B: responsabile UO)
- Identificazione di biomarcatori e sviluppo di piattaforme innovative per la diagnosi rapida delle principali infezioni fungine invasive; **PRIN 2009-MIUR** (E. Blasi: coordinatore scientifico nazionale)
 - Ricerca di biomarcatori nel fluido amniotico mediante microarray di proteine. Contributo da parte del centro studi Antonio Vallisneri, Reggio Emilia 2011
 - **SPINNER 2013- MISS 2:** REGIONE EMILIA ROMAGNA Contributo a giovane ricercatore “Messa a punto di un saggio su piattaforma microarray proteico per la diagnosi sierologica di infezioni fungine invasive
 - **PROGETTO di Ricerca e Sviluppo 2019-2021**, regione EMILIA-ROMAGNA: Ruolo del microbiota nel benessere orale e oculare
 - **Progetto PRIN-2022**, entitled “Innovative mucosal models as prototypes for in depth studies on the pathogenesis of monomicrobial and polymicrobial infections” (E. Blasi being the P.I.)
 - **SIS-NET - ID S4-01. P0001 PNRR 2024:** “Severe Infections and Sepsis clinical NEtwork for identification of clinical and diagnostic Markers, immunological monitoring and “Target and tailored” therapies for adults, children and patients admitted to intensive care units (National coordinator: prof. A. Giarratano, University of Palermo; Local Coordinator: prof. M.Girardis)

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas..

MADRELINGUA

ITALIAN

ALTRE LINGUA

ENGLISH

- Capacità di lettura
- Capacità di scrittura
- Capacità di espressione orale

[livello: ottimo]

[livello: ottimo]

[livello: buono]

SOCIAL SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

OPEN MIND, POSITIVE AND INCLUSIVE, HIGHLY DETERMINED,

ORGANISATIONAL SKILLS AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

COORDINATION OF RESEARCH GROUPS AT LOCAL AND NATIONAL LEVEL. LONG EXPERIENCE IN BASIC AND PRECLINICAL RESEARCH IN MICROBIOLOGY, TEACHING AND TUTORING OF PRE- AND POST- DOC STUDENTS

TECHNICAL SKILLS
AND COMPETENCES
*With computers, specific kinds of
equipment, machinery, etc.*

TEAM SPIRIT, LEADERSHIP, SENSE OF ORGANIZATION.
SPECIFIC COMPETENCE IN THE MEDICAL MICROBIOLOGY AREA.
EXTENSIVE EXPERIENCE ON EXPERIMENTAL INFECTION MODELS.

ARTISTIC SKILLS
AND COMPETENCES
Music, writing, design, etc.

IN THE '70s, SHE STUDIED PIANO AT THE CONSERVATORIO DI MUSICA
F. MORLACCHI OF PERUGIA, ITALY

OTHER SKILLS
AND COMPETENCES
Competences not mentioned above.

[Describe these competences and indicate where they were acquired.]

DRIVING LICENCE(S)
ADDITIONAL INFORMATION

Italian driving license, category B
E. BLASI IS CO-AUTHOR OF MORE THAN 160 PUBLISHED ARTICLES, COLLABORATED TO THE WRITING OF 3 MEDICAL MICROBIOLOGY BOOKS AND PROVIDED ABOVE 300 ABSTRACT CONTRIBUTIONS AT NATIONAL AND INTERNATIONAL MEETINGS.
ACCORDING TO THE LAST UPDATING (SCOPUS: DEC 2023), THE BIBLIOMETRIC PARAMETERS ARE THE FOLLOWING:

Total Articles in the Publication List:	167
Sum of the Times Cited:	4879
h-index:	34

Scopus dec 2024

ANNEXES

MOST RECENT PAPERS

- Genomic and Phenotypic Variation in Morphogenetic Networks of Two *Candida albicans* Isolates Subtends Their Different Pathogenic Potential. Cavalieri D, Di Paola M, Rizzetto L, Tocci N, De Filippo C, Lionetti P, Ardizzoni A, Colombari B, Paulone S, Gut IG, Berná L, Gut M, Blanc J, Kapushesky M, Pericolini E, Blasi E, Peppoloni S. **Front Immunol.** 2018 Jan 19;8:1997. doi: 10.3389/fimmu.2017.01997
- Prognostic Potential of the Panfungal Marker (1 → 3)-β-D-Glucan in Invasive Mycoses Patients. Pini P, Venturelli C, Girardis M, Forghieri F, Blasi E. **Mycopathologia.** 2018 Jul 2. doi: 10.1007/s11046-018-0282-5.
- Real-time monitoring of *Pseudomonas aeruginosa* biofilm formation on endotracheal tubes in vitro. Pericolini E, Colombari B, Ferretti G, Iseppi R, Ardizzoni A, Girardis M, Sala A, Peppoloni S, Blasi E. **BMC Microbiol.** 2018 Aug 14;18(1):84. doi: 10.1186/12866-018-1224-6.
- Epitope unmasking in vulvovaginal candidiasis is associated with hyphal growth and neutrophilic infiltration. Pericolini E, Perito S, Castagnoli A, Gabrielli E, Mencacci A, Blasi E, Vecchiarelli A, Wheeler RT. **PLoS One.** 2018 Jul 31;13(7):e0201436.
- In vitro effects of commercial mouthwashes on several virulence traits of *Candida albicans*, *viridans streptococci* and *Enterococcus faecalis* colonizing the oral cavity. Ardizzoni A, Pericolini E, Paulone S, Orsi CF, Castagnoli A, Oliva I, Strozzi E, Blasi E. **PLoS One.** 2018 Nov 15;13(11):e0207262. doi: 10.1371/journal.pone.0207262. eCollection 2018.
- Performance of *Candida albicans* germ tube antibodies (CAGTA) and its association with (1→3)-β-D-glucan (BDG) for diagnosis of invasive candidiasis (IC) Pini Pietro, Colombari B, Marchi E, Castagnoli A, Venturelli C, Sarti M, Blasi E. **Diagn Microbiol Infect Dis.** 2019 Jan;93(1):39-43. doi: 10.1016/j.diagmicrobio.2018.07.007.
- Antiviral Activity of Synthetic Peptides Derived from Physiological Proteins. Sala A, Ardizzoni A, Ciociola T, Magliani W, Conti S, Blasi E, Cermelli C. **Intervirology.** 2018, 61(4):166-173. doi: 10.1159/000494354. Epub 2019 Jan 17. PMID:30654366
- Prognostic Potential of the Panfungal Marker (1→3)-β-D-Glucan in Invasive Mycoses Patients. Pini P, Venturelli C, Girardis M, Forghieri F, Blasi E. **Mycopathologia.** 2019 Feb;184(1):147-150. doi: 10.1007/s11046-018-0282-5. Epub 2018 Jul 2. PMID:29967970
- Anti-*Candida albicans* germ tube antibodies reduce in vitro growth and biofilm formation of *C. albicans*. Carrano G, Paulone S, Lainz L, Sevilla MJ, Blasi E, Moragues MD. **Rev Iberoam Micol.** 2019, Jan 24. pii: S1130-1406(18)30074-3. doi: 10.1016/j.riam.2018.07.005. [Epub ahead of print] PMID: 30686747
- Evaluation of Biological Response of STRO-1/c-Kit Enriched Human Dental Pulp Stem Cells to Titanium Surfaces Treated with Two Different Cleaning Systems. Conserva E, Pisciotto A, Bertoni L, Bertani G, Meto A, Colombari B, Blasi E, Bellini P, de Pol A, Consolo U, Carnevale G. **Int J Mol Sci.** 2019 Apr 16;20(8). pii: E1868. doi: 10.3390/ijms20081868. PMID: 31014017
- Antimicrobial and antibiofilm efficacy of a copper/calcium hydroxide-based

endodontic paste against *Staphylococcus aureus*, *Pseudomonas aeruginosa* and *Candida albicans*. Meto A, Colombari B, Sala A, Pericolini E, Meto A, Peppoloni S, **Blasi E**. *Dent Mater J*. 2019 Jun 29. doi: 10.4012/dmj.2018-252. [Epub ahead of print]

- Efficacy of a Copper-Calcium-Hydroxide Solution in Reducing Microbial Plaque on Orthodontic Clear Aligners: A Case Report. Meto A, Colombari B, Castagnoli A, Sarti M, Denti L, **Blasi E**. *Eur J Dent*. 2019 Sep 8. doi: 10.1055/s-0039-1695653. [Epub ahead of print] PMID: 31494917

- Longitudinal Survey of Fungi in the Human Gut: ITS Profiling, Phenotyping, and Colonization. Raimondi S, Amaretti A, Gozzoli C, Simone M, Righini L, Candeliere F, Brun P, Ardizzoni A, Colombari B, Paulone S, Castagliuolo I, Cavaliere D, **Blasi E**, Rossi M, Peppoloni S. *Front Microbiol*. 2019 Jul 10;10:1575. doi: 10.3389/fmicb.2019.01575. eCollection 2019. PMID: 31354669

- *Saccharomyces cerevisiae* CNCM I-3856 as a New Therapeutic Agent Against Oropharyngeal Candidiasis. Roselletti E, Sabbatini S, Ballet N, Perito S, Pericolini E, **Blasi E**, Mosci P, Cayzele Decherf A, Monari C, Vecchiarelli A. *Front Microbiol*. 2019 Jul 11;10:1469. doi: 10.3389/fmicb.2019.01469. eCollection 2019. PMID: 31354640

- Differential Efficacy of Two Dental Implant Decontamination Techniques in Reducing Microbial Biofilm and Re-Growth onto Titanium Disks *In Vitro*. Aida Meto, Enrico Conserva, Francesco Liccardi, Bruna Colombari, Ugo Consolo and **Elisabetta Blasi**. *Appl. Sci. Basel* 2019, 9, 3191. Doi:10.3390/app9153191.

- Propolis Affects *Pseudomonas aeruginosa* Growth, Biofilm Formation, eDNA Release and Phenazine Production: Potential Involvement of Polyphenols. Meto A, Colombari B, Meto A, Boaretto G, Pinetti D, Marchetti L, Benvenuti S, Pellati F, **Blasi E**. *Microorganisms*. 2020 Feb 12;8(2):243. doi: 10.3390/microorganisms8020243. PMID: 32059431

- The β -Lactamase Inhibitor Boronic Acid Derivative SM23 as a New Anti-*Pseudomonas aeruginosa* Biofilm. Peppoloni S, Pericolini E, Colombari B, Pinetti D, Cermelli C, Fini F, Prati F, Caselli E, **Blasi E**. *Front Microbiol*. 2020 Feb 7;11:35. doi: 10.3389/fmicb.2020.00035. eCollection 2020. PMID: 32117094

- Perinuclear Anti-Neutrophil Cytoplasmic Antibodies (pANCA) Impair Neutrophil Candidacidal Activity and Are Increased in the Cellular Fraction of Vaginal Samples from Women with Vulvovaginal Candidiasis. Ardizzoni A, Sala A, Colombari B, Giva LB, Cermelli C, Peppoloni S, Vecchiarelli A, Roselletti E, **Blasi E**, Wheeler RT, Pericolini E. *J Fungi (Basel)*. 2020 Oct 16;6(4):E225. doi: 10.3390/jof6040225. PMID: 33081210

- Antibacterial effects of microrepair® BIOMA-based toothpaste and chewing gum on orthodontic elastics contaminated in vitro with saliva from healthy donors: A pilot study. Meto, A., Colombari, B., Odorici, A., Giva L.B., Pericolini E., Regina, A.L., **Blasi, E**. *Applied Sciences (Switzerland)*, 2020, 10(19), pp. 1-13, 6721

- Copper-Calcium Hydroxide and Permanent Electrophoretic Current for Treatment of Apical Periodontitis. Meto A, Droboniku E, **Blasi E**, Colombari B, Tragaj E, Cervino G, Fiorillo L, Meto A. *Materials (Basel)*. 2021 Feb 2;14(3):678. doi: 10.3390/ma14030678. PMID: 33540551

- Evaluation of Antimicrobial Effect of Air-Polishing Treatments and Their Influence on Human Dental Pulp Stem Cells Seeded on Titanium Disks. Di Tincò R, Bertani G, Pisciotto A, Bertoni L, Bertacchini J, Colombari B, Conserva E, **Blasi E**, Consolo U, Carnevale G. *Int J Mol Sci*. 2021 Jan 16;22(2):865. doi: 10.3390/ijms22020865. PMID: 33467097

- EDTA and Taurolidine Affect *Pseudomonas aeruginosa* Virulence *In Vitro* - Impairment of Secretory Profile and Biofilm Production onto Peritoneal Dialysis Catheters. Colombari B, Alfano G, Gamberini C, Cappelli G, **Blasi E**. *Microbiol Spectr*. 2021 Nov 17:e0104721. Doi: 10.1128/Spectrum.01047-21. Online ahead of print. PMID: 34787464

- Effects of benzydamine and mouthwashes containing benzydamine on *Candida albicans* adhesion, biofilm formation, regrowth, and persistence. Ardizzoni A, Boaretto G, Pericolini E, Pinetti D, Capezzone de Joannon A, Durando L, Ragni L, **Blasi E**. *Clin Oral Investig*. 2022 Jan 23. doi: 10.1007/s00784-021-04330-8. Online ahead of print. PMID: 35066687

- Effectiveness of two different fluoride-based agents in the treatment of dentin hypersensitivity: A prospective clinical trial. Etleva Qeli, Çeljana Toti, Alessandra

Odorici, Elisabetta **Blasi**, Emiljano Tragaj, Michele Tepedino, Francesco Masedu, Gerta Kaçani, Dorjan Hysi, Agron Meto, Luca Fiorillo and Aida Meto. **Materials** 2022, 15, 1266 <https://doi.org/10.3390/ma15031266>. IF: 3.5

- Novel Options to Counteract Oral Biofilm Formation: *In Vitro* Evidence. Odorici A, Colombari B, Bellini P, Meto A, Venturelli I, **Blasi E**. **Int J Environ Res Public Health**. 2022 Jun 30;19(13):8056. doi: 10.3390/ijerph19138056.PMID: 35805711
- *Lactobacillus acidophilus*, *L. plantarum*, *L. rhamnosus*, and *L. reuteri* Cell-Free Supernatants Inhibit *Candida parapsilosis* Pathogenic Potential upon Infection of Vaginal Epithelial Cells Monolayer and in a Transwell Coculture System *In Vitro*. Spaggiari L, Sala A, Ardizzoni A, De Seta F, Singh DK, Gacser A, **Blasi E**, Pericolini E. **Microbiol Spectr**. 2022 Jun 29;10(3):e0269621. doi: 10.1128/spectrum.02696-21. Epub 2022 May 2.PMID: 35499353
- Multicenter Italian Study on "In Vitro Activities" of Isavuconazole, Voriconazole, Amphotericin B, and Caspofungin for *Aspergillus* Species: Comparison between Sensititre™ YeastOne™ and MIC Test Strip. Lo Cascio G, Bazaj A, Trovato L, Sanna S, Andreoni S, **Blasi E**, Conte M, Fazii P, Oliva E, Lepera V, Lombardi G, Farina C. **Infect Drug Resist**. 2022 Oct 4;15:5839-5848. doi: 10.2147/IDR.S367082. eCollection 2022.PMID: 36217342
- Pomegranate Extract Affects Fungal Biofilm Production: Consumption of Phenolic Compounds and Alteration of Fungal Autoinducers Release. Colombari B, Tagliazucchi D, Odorici A, Pericolini E, Foltran I, Pinetti D, Meto A, Peppoloni S, **Blasi E**. **Int. J. Environ. Res. Public Health** 2022, 19, 14146.
- Attenuation of *Pseudomonas aeruginosa* Virulence by Pomegranate Peel Extract. Peppoloni S, Colombari B, Tagliazucchi D, Odorici A, Ventrucci C, Meto A, **Blasi E**. **Microorganisms**. 2022 Dec 16;10(12):2500. doi: 10.3390/microorganisms10122500. PMID: 36557753
- *Lactobacillus acidophilus*, *L. plantarum*, *L. rhamnosus*, and *L. reuteri* Cell-Free Supernatants Inhibit *Candida parapsilosis* Pathogenic Potential upon Infection of Vaginal Epithelial Cells Monolayer and in a Transwell Coculture System *In Vitro*. Spaggiari L, Sala A, Ardizzoni A, De Seta F, Singh DK, Gacser A, **Blasi E**, Pericolini E. **Microbiol Spectr**. 2022 Jun 29;10(3):e0269621. doi: 10.1128/spectrum.02696-21. Epub 2022 May 2.PMID: 35499353
- Correlating the physico-chemical properties of two conventional glazed porcelain stoneware tiles in relation to cleanability and sanitization. Cedillo-González E. I., Chierici P., Buttazzo M., Siligardi C., Blasi E., **Ardizzoni A.**: **Materials Today Communication**, Vol. 34, 2023.
- Yeast Bloodstream Infections in the COVID-19 Patient: A Multicenter Italian Study (FiCoV Study). Prigitano A, **Blasi E**, Calabrò M, Cavanna C, Cornetta M, Farina C, Grancini A, Innocenti P, Lo Cascio G, Nicola L, Trovato L, Cogliati M, Esposto MC, Tortorano AM, Romanò L, on behalf of the FiCoV Study Group. **Journal of Fungi**. 2023; 9(2):277. <https://doi.org/10.3390/jof 9020277>
- Anti-Candida and Anti-Inflammatory Properties of a Vaginal Gel Formulation: Novel Data concerning Vaginal Infection and Dysbiosis. Luca Spaggiari, Gianfranco B. Squartini Ramos, Caterina A. Squartini Ramos, Andrea Ardizzoni, Natalia Pedretti, **Elisabetta Blasi**, Francesco De Seta, Eva Pericolini. **Microorganisms** 2023, 11, 1551. <https://doi.org/10.3390/microorganisms11061551>.
- In vitro activity of Isavuconazole and Amphotericin B in association against Mucorales. Ortalli G., Oliva E., Lo Cascio G., on behalf of the CoSM and Farina C. **pathogens** 12, 948, 2023 <https://doi.org/10.3390/pathogens12070948>.
- A New Phenotype in *Candida*-Epithelial Cell Interaction Distinguishes Colonization-versus Vulvovaginal Candidiasis-Associated Strains. Sala A, Ardizzoni A, **Spaggiari L**, Vaidya N, van der Schaaf J, Rizzato C, Cermelli C, Mogavero S, Krüger T, Himmel M, Kniemeyer O, Brakhage AA, King BL, Lupetti A, Comar M, de Seta F, Tavanti A, **Blasi E**, Wheeler RT, Pericolini E. **mBio**. 2023 Apr 25;14(2):e0010723. doi: 10.1128/mbio.00107-23. Epub 2023 Mar 1
- Leveraging Dental Stem Cells for Oral Health during Pregnancy: A Concise Review. Meto A, Sula A, Peppoloni S, Meto A, **Blasi E**. **Dent J (Basel)**. 2024 May 7;12(5):127. doi: 10.3390/dj12050127. PMID: 38786525

Modena, 20 June 2024



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


