



Erika Borellini

📍 **Home** : Via L.a. Muratori 13-15, 41016, Novi Di Modena, Italy

📍 **Second address** : Via L. B. Alberti 11B, 41012, Carpi, Italy

📍 **Work** : Via P. Vivarelli 10, 41125, Modena, Italy

✉ **Email:** erika.borellini@hotmail.it ✉ **Email:** erika.borellini@pec.it

✉ **Email:** erika.borellini@unimore.it 📞 **Phone:** (+39) 3497783207

☎ **Phone:** (+39) 059688635

Gender: Female **Date of birth:** 08/03/1994 **Nationality:** Italian

PROFESSIONAL QUALIFICATION

[15/01/2024]

Abilitazione Ordine degli Ingegneri

Sezione A Settore c ingegnere dell'informazione

Numero di iscrizione: A 4001

Link: <https://www.isiformazione.it/DataWeb/RisultatiRicerca.aspx?CCli=nCk1102tsrQ%3d>

WORK EXPERIENCE

[16/01/2024 – Current]

Junior Fellowship Researcher

University of Modena and Reggio Emilia

City: Modena | **Country:** Italy | **Email address:** erika.borellini@unimore.it | **Name of unit or department:** Ingegneria Enzo Ferrari

Link: <https://www.slimfit.unimore.it/>

Circuit design for Logic-in-Memory solutions, with particular regard to the SLIMFIT - Smart Logic-in-Memory For the Internet of Things - project based on eNVMS (emerging Non-Volatile Memories).

The SLIMFIT project and studies are carried out by the collaboration between the University of Modena and Reggio Emilia (UNIMORE) and the University of Calabria (UNICAL)

[02/2023 – 10/2023]

Traineeship

Tecnopolo Mario Veronesi <https://tpm.bio/la-nostra-storia/>

City: Mirandola | **Email address:** info@tpm.bio | **Business or sector:** Professional, scientific and technical activities

Spectrofluorimetric and scattering measurements for the analysis of real spent dialysate samples and laboratory-created solutions to simulate the conditions of a patient undergoing hemodialysis. The creation of the samples was performed independently in the laboratory and subsequently a protocol was created to simulate the hemodialysis environment in collaboration with BBraun.

In order to carry out measurements in a dark room, Fusion 360° is used for the 3D creation of a support containing lenses and cuvettes for optoelectronic analyses.

Furthermore, during the internship period, splash tests were carried out to validate surgical masks, tests with a climatic chamber and usability tests on biomedical equipment.

[03/2023 – Current]

Freelance

Consultancy service

City: Carpi | **Country:** Italy

- Technical consultancy for electrical systems
- APE (Attestato di Prestazione Energetica)

P.IVA: 04076390360

SDI: M5UXCR1

[2020 – Current]

Researcher & Caregiver-partner

EduCARE Lab UniMoRe <https://www.educare.unimore.it/>

City: Modena | **Email address:** laboratorio.educare@unimore.it | **Name of unit or department:** University of Modena and Reggio Emilia | **Business or sector:** Human health and social work activities

Link: https://www.youtube.com/watch?v=b4ldDEExZ44&embeds_referring_euri=https%3A%2F%2Fwww.educare.unimore.it%2F&source_ve_path=MTY0OTksMjg2NjY&feature=emb_logo

- Lessons in tandem with healthcare professionals
- Preparation of information material (brochures/catalogues/video)
- Coordination of working groups
- Active participation in the studies conducted

[11/2020 – 06/2021] **Classroom tutor (Tutor d'aula)**

University of Modena and Reggio Emilia

City: Modena | **Business or sector:** Education

Educational and regulatory support for students of the Computer Engineering course in Mantua (MN) during the Covid-19 period.

[2012 – Current] **Capital partner**

Studio Tecnico Arcadia Consulting S.a.s <http://www.arcadia-studio.it/>

City: Carpi | **Email address:** arcadia-studio@arcadia-studio.it | **Business or sector:** Professional, scientific and technical activities

Capital partner, website maintenance, designer, file management and customer relationship

EDUCATION AND TRAINING

[11/2019 – 19/10/2023] **MASTER DEGREE - ELECTRONIC ENGINEERING**

University of Modena and Reggio Emilia <https://www.unimore.it/ateneo/din.html>

City: Modena | **Field(s) of study:** Engineering, manufacturing and construction | **Final grade:** 105/110 | **Type of credits:** CFU | **Number of credits:** 120 | **Thesis:** Enhancing Hemodialysis Treatment Performance through Optoelectronic Sensing Systems

[2021 – 2022] **UNIVERSITY SPECIALIZATION COURSE - DIDACTIC METHODOLOGIES FOR TEACHING MEDICINE WITH "PATIENT EDUCATORS"**

University of Modena and Reggio Emilia <https://www.unimore.it/ateneo/dbn.html>

City: Modena | **Field(s) of study:** Health and welfare: • *Care of the elderly and of disabled adults* | **Final grade:** Excellent | **Thesis:** Il caregiver complice

[09/2014 – 02/2019] **BACHELOR DEGREE - ELECTRONIC ENGINEERING**

University of Modena and Reggio Emilia <https://www.unimore.it/ateneo/din.html>

City: Modena | **Country:** Italy | **Field(s) of study:** Engineering, manufacturing and construction | **Final grade:** 84/110 | **Type of credits:** CFU | **Number of credits:** 180 | **Thesis:** Sensors and electronic systems for dialysis machines

[09/2009 – 07/2013] **HIGH SCHOOL DIPLOMA - ELECTRONICS AND TELECOMMUNICATIONS**

Istituto tecnico industriale Leonardo da Vinci <https://www.itivinci.mo.it/>

City: Carpi | **Country:** Italy | **Final grade:** 86/100 | **Thesis:** Music spectrum analyzer

PUBLICATIONS

[2024] [\[Magazine article\] - Effectiveness of patients' involvement in a medical and nursing pain education programme: a protocol for an open-label randomised controlled trial including qualitative data](#)

Reference: In: BMJ OPEN. - ISSN 2044-6055. - 14:1(2024), pp. 1-8.

Serafini, Alice; Grazia Rossi, Maria; Alberti, Sara; Borellini, Erika; Contini, Annamaria; Cernesi, Simone; D'Amico, Roberto; Eduardo Díaz Crescitelli, Matías; Ferri, Paola; Fornaciari, Davide; Ghirotto, Luca; Giugni, Linda; Lui, Fausta; Rossi, Francesca; CUOGHI COSTANTINI, Riccardo; Santori, Valentino; Padula, MARIA STELLA.

The aim of the present study is to evaluate the effectiveness of patient involvement in pain education in undergraduate medicine and nursing students where an open-label randomised controlled trial including qualitative data will be conducted.

[Poster] - L'ATTITUDINE ALLA CENTRAL'ATTITUDINE DEL PAZIENTE NELLA FORMAZIONE CON IL PAZIENTE FORMATORE: UNO STUDIO QUASI-SPERIMENTALE

[2023]

Reference: 26 November - XXI SIPEM National Congress - Turin (TO)

Sara Alberti - Giovanna D'Iapico - Paola Volpi - Maria Cristina Bigliardi - Erika Borellini - Debora Canale - Paola Ferri. Università di Modena e Reggio Emilia, Dipartimento di Scienze Biomediche, Metaboliche e Neuroscienze, Modena - Università di Modena e Reggio Emilia, Corso di Studi in Infermieristica, Modena - Università di Modena e Reggio Emilia, Laboratorio Educare, Centro interdipartimentale di formazione e ricerca, Modena

[Virtual Conference] - Considérer une initiative institutionnelle si elle vise le développement de structure pour soutenir l'engagements des patient[e]s/client[e]s ou proches dans les soins/services en contexte interprofessionnel ou dans la formation interprofessionnelle.

[2023]

Reference: 17 May - VIII Conference Hope and Trust in Health and Social Care - Toronto

Padula M.S. Jackson M., Giugni L., Borellini E., Malmusi G., Fornaciari D., Rossi F., Serafini A., Ferrari G., Palumbo C., Zanetti G.

[Poster] - Present and future of Home Care by GPs in the Province of Modena (Italy): a descriptive study with a qualitative insert, the MAGMA Home Study.

[2023]

Reference: 11 - 14 May - 96th EGPRN Meeting - Split, Croatia

Alice Serafini, Erika Borellini, Davide Fornaciari, Luca Ghirotto, Peter Konstantin Kurotschka, Lucia Palandri, Silvia Riccomi, Elena Righi, Elisa Stefani, Giulia Ugolini, Gaetano Feltri.

<https://meeting.egprn.org/foyer/article/879142d3-70a2-493f-8c68-dd6bac306e01>

[Atti di convegno] - Costruzione e valutazione dell'efficacia di un intervento didattico condotto in partnership con il paziente-formatore sul miglioramento dell'approccio alla persona con dolore tra gli studenti di medicina e infermieristica: un trial randomizzato controllato in aperto con inserto qualitativo

[2021]

Reference: 26-27 November - Congresso nazionale SIPEM (Società Italiana di Pedagogia Medica)

A. Serafini, M. G. Rossi, A. M. Contini, P. Ferri, F. Lui, R. D'Amico, S. Barbi, L. Giugni, E. Borellini, L. Ghirotto, M. S. Padula, moderatore nel gruppo di intervento in co-docenza con Patrizia Laffi (Scienze Infermieristiche).

TRAINING COURSES

[11/07/2024]

Corso di aggiornamento - Promozione della salute

Centro interateneo Edunova - Unimore

[10/07/2024]

Smart working: conciliazione con la vita familiare, aspetti ergonomici e rischi psicosociali

Centro interateneo Edunova - Unimore

[09/07/2024]

Tissue engineering

Topic covered: Introduction to tissue engineering, tissue culture techniques and stem cells, biomaterials natural and synthetic in tissue engineering, growth factors, bioreactor for tissue engineering and their design (spinner flasks, rotating wall vessel, perfusion, compressive). Electric Field stimulation applied to bioreactor (DC, AC, Electromagnetic field, Pulsed-Electromagnetic field, acoustic stimulation).

CPD (Continuing Professional Development) certificate:11Hours/Points

Certificate ID: 1862-172-054-4380

Link: <https://www.cbehx.co.uk/certificate-verification/>

- [14/03/2024] **Termotecnica-Elettrotecnica – Progettazione impianti termici ed elettrici, sistemi impiantistici e regolazione per applicazioni in ambito civile e industriale**
3 CFP
- [01/02/2024] **L' ETICA E LA DEONTOLOGIA PROFESSIONALE PER L'INGEGNERE**
5 CFP.
- [20/02/2024] **Progettazione consapevole: la climatizzazione del futuro coi nuovi gas refrigeranti e i bonus fiscali applicabili**
3 CFP
- [21/12/2023] **CRISPR: Revolutionising Genome Editing Advanced Certificate**
This advanced-level course is designed to develop an understanding of complex concepts related to genomics, particularly CRISPR/Cas technology and its applications in drug discovery, biofuels, agriculture, farms, therapeutics and much more.
CPD (Continuing Professional Development) certificate: 40 Hours/Points.
Certificate ID: 1862-170-317-2455
Link: <https://www.cbehx.co.uk/certificate-verification/>
- [04/12/2023 – 12/12/2023] **Women InnoVenture training program (interactive online sessions)**
Topics covered: Science Communication (2 hours), Art of Negotiation (2 hours), Investor Dynamics and Networking Session (2 hours).
- [12/12/2023] **Formazione specifica per rischio Medio**
University of Modena and Reggio Emilia
- [12/05/2023] **Rispondere ai bisogni di cura**
Anziani e non solo Società Cooperativa Sociale – Caregiver day
- [07/05/2023] **La strada del cambiamento e della ricostruzione passa per la cura**
Anziani e non solo Società Cooperativa Sociale – Caregiver day
Link: <https://www.anzianienonsolo.it/online/>
- [05/05/2023] **Rafforzare la capacità di accompagnare verso il fine vita**
Anziani e non solo Società Cooperativa Sociale – Caregiver day
Link: <https://www.anzianienonsolo.it/online/>
- [03/02/2023] **FORMAZIONE SPECIFICA PER RISCHIO BASSO**
University of Modena and Reggio Emilia
- [02/02/2023] **FORMAZIONE GENERALE ALLA PREVENZIONE E SICUREZZA SUL LAVORO**
University of Modena and Reggio Emilia
- [26/08/2022 – 09/12/2022] **HELLOAI ADVANCED RIS COURSE - EIT HEALT RIS SCHOLARSHIP COURSE**
KTH Royal Institute of Technology, Stockholm.
The student is equipped to discuss:Recent initiatives and interdisciplinary research in biomedical engineering and health systems, differences and similarities between research methodology and overall innovation and entrepreneurship strategy of academic, industrial, healthcare and overnment body stakeholders across Europe and worldwide, how new technologies can tackle future challenges in medical healthcare, basic theoretical and practical use of AI.

ECTS: 7.5

Hours: 29.5

Link: <https://helloaionline.com/helloai-advanced>

[08/11/2022] **AUTHOR SEMINAR UNIVERSITÀ DEGLI STUDI DI MODENA: COME PUBBLICARE UN'OPERA SCIENTIFICA**

SpringerNature

Link: <https://www.springernature.com/gp>

[18/10/2021 – 28/10/2021] **WE HEALTH RIS TRAINING – ENTREPRENEURSHIP IN HEALTCARE**

EIT Health Innostars and IESE Business School, Munich.

Course topics: Dream Gardening Purpose Activation, Innovating and Co-creation in Healthcare, Needs Led Innovation, Communication, Entrepreneurial Mindset, Entrepreneurship - Innovating in Healthcare, Women Entrepreneurs Motivation, Leadership & Team, Business Canvas You, Entrepreneurial Finance, Purpose Action Plan, Corporate Venturing- Challenges & Strategies, Action Plan Pitch

Link: <https://eithealth.eu/in-your-region/innostars/>

[21/06/2021 – 30/08/2021] **ARTIFICIAL INTELLIGENCE WITHIN BIOMEDICAL ENGINEERING AND HEALT SYSTEM**

KTH Royal Institute of Technology, Stockholm.

The student is equipped to discuss: Recent initiatives and interdisciplinary research in biomedical engineering and health systems at KTH and within other EIT partners, differences and similarities between research methodology and overall innovation and entrepreneurship strategy of academic, industrial, healthcare and government, body stakeholders across Europe and worldwide, how new technologies can tackle future challenges in medical healthcare, basic theoretical and practical use of AI and entrepreneurship, knowledge about the benefits, but also about the barriers and risks of AI

implementation

• How to create contacts across the disciplines and nationsione...

ECTS: 7.5

Hours: 29.5.

Link: <https://www.kth.se/en>

[07/2021] **OPTICAL BIOMEDICAL SENSORS (CEU/PDH)**

IEEE

Link: <https://www.ieee.org/>

[07/2021] **Programming for everybody/Python data structures**

University of Michigan (Coursera)

1st. This course aims to teach everyone the basics of programming computers using Python. We cover the basics of how one constructs a program from a series of simple instructions in Python. The course has no pre-requisites and avoids all but the simplest mathematics.

2nd. This course will introduce the core data structures of the Python programming language. We will move past the basics of procedural programming and explore how we can use the Python built-in data structures such as lists, dictionaries, and tuples to perform increasingly complex data analysis.

Links: <https://coursera.org/share/59a8cd3fae7719f207db6ad0ff514b01> | <https://coursera.org/share/c4c8511e42690431c893b2f9e29b5fb6>

[07/2021] **Anatomy: Musculoskeletal and Integumentary Systems**

University of Michigan (Coursera)

In this anatomy course: part of the Anatomy Specialization, you will learn how the components of the integumentary system help protect our body (epidermis, dermis, hair, nails, and glands), and how the musculoskeletal system (bones, joints, and skeletal muscles) protects and allows the body to move.

Link: <https://coursera.org/share/042e8fc654b15ff965625199489998fc>

[22/03/2012] **Long Term Evolution, il nostro sogno**

Progetto Network scuola impresa IV edizione

Elis- Network Scuola Impresa. e Telecom (Azienda Partner).

Analisi delle celle di una città e cablaggio fibra ottica.

CONFERENCES AND SEMINARS

[21/11/2023] **Prendersi Cura di chi cura il paziente oncologico: dall'ospedale a casa** Direzione Generale, Formazione, Ricerca e Innovazione (Modena)
Servizio Sanitario Regionale Emilia-Romagna

Da volontari a caregiver: Durante la riunione verranno discussi e rivisti i temi trattati durante il ciclo dei seminari, sollecitando da parte dell'audience commenti, riflessioni ed eventuali testimonianze. L'obiettivo è quello di fare emergere l'interesse per il passaggio da volontario a "caregiver per scelta" da parte dei Volontari e le eventuali ulteriori esigenze necessarie per una più completa preparazione.

Coordina l'incontro la Dr.ssa Alessandra Ferretti

intervengono: Anna Rita Garzia, Roberta Zanin, Andrea Berti, Marinella Nasi, Paola Dondi, Elisabetta Razzaboni, Catia Ghinelli, Erika Borellini, Massimo Dominici ed i Volontari con le rispettive Associazioni.

[05/10/2023 – 06/10/2023] **Comunicare: partnership tra curato e curante** Corso di Laurea in Infermieristica (UniMoRe)

Relatore in un ciclo di seminari che rientra all'interno di un progetto di ricerca (Ref.L'ATTITUDINE ALLA CENTRAL'ATTITUDINE DEL PAZIENTE NELLA FORMAZIONE CON IL PAZIENTE FORMATORE: UNO STUDIO QUASI-SPERIMENTALE)

Presidente Prof.ssa Paola Ferri

(8 Hours)

[12/05/2023] **LE COMPETENZE DEI FUTURI INFERMIERI- Metodologie didattiche innovative per rispondere efficacemente ai bisogni dei cittadini**

Giornata Internazionale dell'Infermiere (FNOPI)

Insegnare "in tandem" con i pazienti e i caregivers formatori · Dott.sse Sara Alberti, Erika Borellini

Link: <https://www.magazine.unimore.it/site/home/notizie/articolo820066397.html>

[21/03/2023 – 23/03/2023] **Comunicare: partnership tra curato e curante** Corso di Laurea in Infermieristica (UniMoRe)

Relatore in un ciclo di seminari che rientra all'interno di un progetto di ricerca (Ref.L'ATTITUDINE ALLA CENTRAL'ATTITUDINE DEL PAZIENTE NELLA FORMAZIONE CON IL PAZIENTE FORMATORE: UNO STUDIO QUASI-SPERIMENTALE)

Presidente Prof.ssa Paola Ferri

(8 Hours)

[13/12/2022] **Dalla buona ricerca alla buona pratica clinica: il ruolo della ricerca in Medicina Generale**
Aula Magna Facoltà di Medicina UNIMORE (Modena)

Cure domiciliari: presentazione e discussione del prossimo progetto di ricerca collaborativa dei MMG di Modena

A. Serafini (MMG, Modena) E. Borellini (caregiver formatrice di EduCare Lab)

[22/10/2021 – 27/10/2021] **Costruzione e valutazione dell'efficacia di un intervento didattico condotto in partnership con il paziente-formatore nell'ambito del dolore**

Laboratorio Universitario EduCARE (Modena)

Costruzione e valutazione dell'efficacia di un intervento didattico condotto in partnership con il paziente-formatore sul miglioramento delle conoscenze, attitudini, credenze ed approccio alla persona con dolore tra gli studenti di medicina e scienze infermieristiche: un trial randomizzato controllato con inserto qualitativo.

[15/04/2021] **Come imparare la medicina con il paziente: La scoperta del "paziente nascosto" e delle best practice del "prendersi cura"**

Congresso studentesco - MoReMED (Modena)

L'obiettivo di questo workshop è quello di far conoscere agli studenti "il sapere esperienziale della medicina" attraverso i pazienti...un sapere che non riguarda solo la malattia, ma il vivere quotidiano con la malattia, l'impatto sul paziente e sulla famiglia del cambiamento della vita con malattia le interazioni del paziente con i diversi curanti e con il sistema sanitario.

Grazie alla partecipazione del Laboratorio EduCARE gli studenti potranno interagire in prima persona con i pazienti formatori e apprendere sul campo alcuni aspetti umanizzanti del "prendersi cura".

Referente: Prof.ssa Maria Stella Padula

Un workshop interattivo interprofessionale fra curati e curanti e gli studenti partecipanti, con lavori di gruppo.

Link: <https://www.moremed.unimore.it/come-imparare-la-medicina-con-il-paziente-la-scoperta-del-paziente-nascosto-e-delle-best-practice-del-prendersi-cura/>

DIGITAL SKILLS

My Digital Skills

ECDL: Patente Europea

HONOURS AND AWARDS

[20/10/2010] **Premio Cesare Bonacini Awarding institution:** AIF (Associazione per l'insegnamento della Fisica)

Elettricità e magnetismo: esperimenti e misure su analogie, diversità, intreccio tra due facce della stessa medaglia.

VOLUNTEERING

[12/2020 – Current] **Associazione Tandem - Curati e Curanti insieme per la formazione** Modena

Membro.

Segretaria dal 2021 al 2022.

HOBBIES AND INTERESTS

Music

I played piano from when I was 6 to when I was 18 years old. I took the admission test at the Carpi Conservatory in 2012 where I received a positive score but there were no places available that academic year. I tried the admission test again in 2013 where I was accepted again with direct placement in the 3rd year but I had to give up for family reasons.

Gardening

After my mother got sick I started caring for her garden, now it has become my passion. I grow plants from purchased seeds, taking them directly from fruit or botanical plants or reproducing plants by cutting. I grow both aromatic plants which I then dry to use for culinary purposes, and fruit to have 0 km organic products. I have studied the different diseases that can afflict the plants, as well as pruning techniques, in order to use the products as much as possible not harmful to the health of the environment and humans.

Weight room

I started going to the weight room when I was 16 and continued until I was 28. I have temporarily stopped due to health problems but I plan to start again as soon as possible.

Painting

Started at an amateur level after following art lessons in secondary school. I started with cartoon drawings and then portrayed animals and plants and finally drew anatomical parts of the human body.

Diction lessons for a year

Linked to a year of theater course that took place as an extra activity during high school.

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

French

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DRIVING LICENCE

Cars: B

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".

Novi di Modena, 12/07/2024



Erika Borellini