



## LAURA RIGOTTI

### CURRICULUM VITAE

#### Academic Studies

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MASTER'S DEGREE 2019 - 2022	Alma Mater Studiorum - University of Bologna, School of Science   Physics (LM-17 – 2 <sup>nd</sup> level degree in Physics) Dissertation/thesis title: “Science, Art, and Progress: the Nineteenth-century seen through the instruments of the Physics Cabinet of the University of Bologna”   Thesis supervisor: Eugenio Bertozzi, co-supervisors: Anna Giatti, Paolo Brenni Graduation date: 24/03/2022
LEVEL-1 ACADEMIC DIPLOMA 2014 - 2016 2018 - 2019	Conservatory “Giuseppe Verdi”, Ravenna   Level-1 Academic Diploma in Clarinet Dissertation/thesis title: “The clarinet in the Nineteenth-century. Organological aspects and timbral research in orchestral language”   Thesis supervisors: Stefano Franceschini, Iole Di Gregorio Graduation date: 14/10/2019
BACHELOR'S DEGREE 2015 - 2018	Alma Mater Studiorum - University of Bologna, School of Science   Physics (L-30 – 1 <sup>st</sup> level degree in Physics) Dissertation/thesis title: “Artificial Intelligence as a context for a STEM approach to teaching”   Thesis supervisor: Levrimi Olivia, co-supervisor: Eleonora Barelli Graduation date: 18/10/2018
SCIENTIFIC CERTIFICATE 2010 - 2015	Liceo Scientifico “A. Oriani”, Ravenna Italian secondary school diploma

#### International experience

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“MATERIAL CULTURE IN THE HISTORY OF PHYSICS” Jan 2023 – Mar 2023	Deutsches Museum Munich International Seminar funded by the Wilhelm and Else Heraeus Foundation Lecturers: Julia Bloemer, Johannes-Geert Hagmann, Peter Heering, Richard Kremer
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#### Work experience

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Feb 2023 – May 2023	TUTORING ACTIVITY Teaching tutor in the course of Laboratorio di Didattica della Fisica of the Master Degree in Physics at the Department of Physics and Astronomy “A. Righi” in Bologna. University of Bologna – Department of Physics and Astronomy
Nov 2022 – Apr 2023	SCOLARSHIP FOR POST-GRADUATE RESEARCH ACTIVITIES   Science Communication Participation in the Erasmus+ KA220 Higher Education project entitled Scientists and Public Engagement (STAGE) and coordinated by the University of Groningen. University of Bologna – Department of Physics and Astronomy
Sept 2021 – Feb 2022	UNDERGRADUATE INTERNSHIP   History and Communication of Physics Study, identification and inventory of the Nineteenth-century instruments of the Physics Collection of the University of Bologna Museum Network. Analysis of the Nineteenth-century catalogues of the Physics Cabinet of the University of Bologna, found at the Historical Archives. University of Bologna – Department of Physics and Astronomy
Jan 2018 – May 2018	UNDERGRADUATE INTERNSHIP   Didactics and Communication of STEM subjects Participation in the I_SEE project with the research team of Bologna. University of Bologna – Department of Physics and Astronomy

#### Additional skills and expertise

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IT	OFFICE AUTOMATION	Office Suite: (Advanced)   Presentation Software: (Advanced)   Spreadsheets: (Advanced)   Web Browser: (Advanced)   Word Processors: (Advanced)
	GRAPHICS AND MULTIMEDIA	Audio Editing and Processing: Audacity (Foundation)
Languages	Italian, English B2 (IELTS, British Council, Bologna, 2018), basic Spanish	

#### Events and Conferences

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19-23 Sept 2022	XLI Symposium of the Scientific Instrument Commission   National Hellenic Research Foundation, Athens “The Past, Present, and Future of Scientific Instrument Studies” Title of the presentation: “To teach, experiment and show: the apparatuses of the Cabinet of Physics at the University of Bologna” (19/09/2022), plenary session in tribute to Paolo Brenni (with E. Bertozzi, A. Giatti, F. Marcon, R. Wittje, M. Miniati)
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Workshop  
2022

“Designing a permanent exhibition on the History of Physics: the Physics Cabinet of the University of Bologna” | **Promoted by:** Department of Architecture (DA-UNIBO), University Museum Network of the University of Bologna (SMA), Department of Physics and Astronomy (DIFA-UNIBO).  
Presentations to the participating students on the Nineteenth-century Physics Cabinet of the University of Bologna and on the apparatuses of the Physics Collection of the University Museum Network, kept at the Department of Physics and Astronomy.

## Publications

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- 2023 – present      Paper (submitted to Physics in Perspective, Jan 2023): "Identifying and understanding historical-scientific instruments: the case of the Physics Cabinet of the University of Bologna" ; Laura Rigotti, Eugenio Bertozzi.
- 2019                  Contribution in conference proceedings: “STEM analysis of a module on Artificial Intelligence for high school students designed within the I SEE Erasmus + Project”; Branchetti Laura, Levrini Olivia, Barelli Eleonora, Lodi Michael, Ravaioli Giovanni, Rigotti Laura, Satanassi Sara, Tasquier Giulia; *Eleventh Congress of the European Society for Research in Mathematics Education*
- 2022                  Master Degree Thesis: “Science, Art, and Progress: the Nineteenth-century seen through the instruments of the Physics Cabinet of the University of Bologna”, <https://amslaurea.unibo.it/25513/>
- 2018                  Bachelor Degree Thesis: “Artificial Intelligence as a context for a STEM approach to teaching”, <https://amslaurea.unibo.it/16737/>

## Other

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- Musical activities  
2002 – present
- Concerts and musical activities as a chorister, solo singer and clarinetist in different ensembles for various institutions and theaters.
- Ensembles:** Ensemble Voces Cordis, Ensemble 1685, Schütz Group, Ludus Vocalis, Choir of the Liceo Scientifico "A. Oriani" of Ravenna (conductor and co-founder), Ludus Vocalis White Voices Choir, White Voices Choir of the Alighieri Theatre, White Voices Choir Mikrokosmos, City Band of Ravenna, Cervia and Russi.
- Events:** Ravenna Festival, Settembre Dantesco, Ravenna Teatro, European Festival "Allegromosso", music therapy project "Music in Concept Space", Ravenna Bella di Sera, NoveTeatro APS, International Festival of Sacred Music of Pordenone, Vespri d'organo a S.Martino, S. Giacomo Festival, In Templo Domini, Dommusik Innsbruck, MUSIKerLEBEN, Royal Opera House Muscat Opera Season (Oman).