

# Riccardo Biondi

## Curriculum Vitae ac Studiorum

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### Education and Training

- 1 Nov 2021 - Present **Alma Mater Studiorum - University of Bologna** *Bologna, Italy*  
PhD in *Health and Technology*  
○ **Project** *Usage and Reusage of Big Biomedical Multiomics Data to Assist Clinical Decision Making*
- 15 Apr – 15 Oct 2021 **Alma Mater Studiorum - University of Bologna** *Bologna, Italy*  
Study Fellowship  
○ **Project** *Multiomic analysis of HARMONY project data and automatic segmentation procedures on CT scan of COVID patients*
- Sep 2018 – 19 Dec 2020 **Alma Mater Studiorum - University of Bologna** *Bologna, Italy*  
Master Degree in *9245-Physics*, curriculum Applied Physics (LM-17-fisica)  
○ **Final Grade** 110/110 cum Laude  
○ **Thesis Title** *Implementation of an Automated Pipeline for the Identification of Ground Glass Opacities on CT Images of Patient Affected by COVID-19*
- Sep 2015 – 18 Oct 2018 **Alma Mater Studiorum - University of Bologna** *Bologna, Italy*  
Bachelor Degree in *Physics* (L-30-Physics).  
○ **Final Grade** 107/110  
○ **Thesis Titles** *Nanostructured Material Characterization using a Spectrophotometer*
- Sep 2010 – Jul 2015 **Liceo Scientifico Fulcieri Paolucci de Calboli** *Forlì, Italy*  
Highschool Degree  
○ **Final Grade** 82/100

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### Work Experiences

- Mar 2023 – Present **IRCCS-ISBN** *Bologna, Via Altura 3, Italy*  
Health researcher  
○ **Progetto** *Data Science, Bioinformatics and Medical Image Analysis*
- Oct 2019 – Mar 2020 **Ducati Foundation** *Borgo Panigale (BO), Italy*  
Didactic tutor in *Fisica in Moto* laboratories

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### Conferences

- 19 Set 2022 – 21 Set 2022 **ICMMB2022**  
International Conference on Mechanics in Medicine and Biology  
○ **Presented Work** *nteractive Visualization of Biological Network Structures in Virtual Reality: a Study Experience*
- 15 Set 2021 – 17 Set 2021 **CompBioMed2021**  
Computational BioMedicine  
○ **Presented Work** *A Graph-Cut Approach to Hip-Joint Segmentation*

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## Training Courses

18 Jan 2023 – 25 Jan 2023

### Winter School

*Advanced Methods for mathematical image analysis*

3 Jul 2019 – 10 Jul 2019

### Summer School

*Physical Sensing and Processing*

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## Programming Skills

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|--------------|---|
| Advanced     | Python, L <sup>A</sup> T <sub>E</sub> X |
| Intermediate | 3DSlicer, freesurfer, git, github       |
| Basic        | C++, JavaScript, R, Bash                |

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## Languages

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|---------|---------------|
| Italian | mother tongue |
| English | B2            |

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## Driver License

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| 24 Apr 2015 | B level driver license |
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## Interests

I spend my free time in:

- Close up magic
- I've done Taekwondo for 10 years and I'm 1st dan black belt acknowledge by World Taekwondo Federation
- For 2 years I was Taekwondo coach at A.S.D. Tkwondo Galeata- S.Sofia
- I've been referee in inter-regional tournaments organized by FIST(*Federazione Italiana Sport Taekwondo*) and CSEN

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## References

Lorenzo Bianchi, Elena Tonin, Pietro Piazza, Gianluca Carlini, Caterina Gaudiano, Rita Golfieri, Nico Curti, Riccardo Schiavina, Francesca Giunchi, Riccardo Biondi, Damiano Caruso, Enrico Giampieri, Alessandra Merlotti, Daniele Dall'Olio, Claudia Sala, Sara Pandolfi, Daniel Remondini, Arianna Rustici, Luigi Vincenzo Pastore, Leonardo Scarpetti, Barbara Bortolani, Eugenio Brunocilla, Emanuela Marcelli, Francesca Coppola, and Gastone Castellani. Mp41-20effectiveness of radiomic tumor zone of transition (zot) features in the automated discrimination of oncocytoma from clear cell renal cancer. *Journal of Urology*, 209.

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Anna Collado, Maria Paola Boaro, Sigrid van der Veen, Amira Idrizovic, Bart J. Biemond, David Beneitez Pastor, Ana Ortuño, Elena Cela, Anna Ruiz-Llobet, Pablo Bartolucci, Marianne de Montalembert, Gastone Castellani, Riccardo Biondi, Renzo Manara, Tiziana Sanavia, Piero Fariselli, Petros Kountouris, Marina Kleanthous, Federico Alvarez, Santiago Zazo, Raffaella Colombatti, Eduard J. van Beers, and María del Mar Mañú-Pereira. Challenges and opportunities of precision medicine in sickle cell disease: Novel european approach by genom4all consortium and ern-eurobloodnet. *HemaSphere*, 7.

**Autorizzo al trattamento dei dati personali contenuti in questo documento ai sensi dell'articolo 13 del D. Lgs. 196/2003.**

Bologna, June 29, 2023