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## PERSONAL INFORMATIONS and CONTACTS

Birth Date: 03/10/1993

Nationality: Italy

Gender: Male

Home address: Firenze (FI), Via Boccherini 31, 50144

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## PROFESSIONAL GOAL

I work as a PhD student at the European Laboratory for Nonlinear Spectroscopy (LENS) in Sesto Fiorentino. Currently my research activity is focused on light sheet microscopy on zebrafish samples and multi-beam lighting with acousto-optical deflectors. I would like to play a role of responsibility, applying my knowledge to the research and development of new technologies, based on my experiences in photonics, optics and microscopy.

## PERSONAL FORMATION and TRAINING

PhD (ongoing): International Doctorate in Atomic and Molecular Photonics, at European Laboratory for Nonlinear Spectroscopy (LENS) in Sesto Fiorentino (FI)

Master degree (October 2016 - October 2018) University of **Trento**, experimental physics – biology and photonics; mark of degree: 106

Bachelor's degree (October 2012 - October 2016): University of **Firenze**, Physics and Astrophysics

## PROFESSIONAL EXPERIENCES

Internship at University of Trento - nanolabs laboratories - (<http://nanolab.physics.unitn.it/>). Thesis project: characterization of optical fibers for neuronal optogenetic stimulation

## LANGUAGE SKILLS

Native Language: Italian

Other Languages: English

Listening: B2      Reading: C1      Speaking: B2      Writing: C1

**Certifications:** English, level B1, PET, obtained in 2011 at Cambridge English  
English, level B2, obtained 2018 at Università degli studi di Trento -  
English, level B2/C1, Presentations, obtained in 2020 at Centro  
Linguistico Ateneo (Florence)

## DIGITAL SKILLS

**Certifications:** European Computer Driving Licence (ECDL) - Theory, Computer Essentials, Word Processing, Spreadsheets, Presentation, Using Databases, Using Email and the Internet

**Software Skills:** - Office, Matlab, COMSOL Multiphysics, Labview, Latex, Adobe illustrator, Zemax

## CROSS-SKILLS

**Work autonomy** - During the PhD, work is often carried out without supervision.

**Problem solving** - During the PhD, several experimental situations were addressed, even not part of the main project.

**Timing** - Planning in short, medium and long term to respect project deadlines.

**Communication and leadership skills** - Communication between all co-authors was managed for article publications with video calls, messaging groups and data sharing drives.

**Teamwork** - During the academic period, several group activities were carried out in laboratories and activity reports required.

## PUBLICATIONS

**Articles:** - Ricci et al, 2020, Fast multi-directional DSLM for confocal detection without striping artifacts  
- Gavryusev et al, 2019, Dual-beam confocal light-sheet microscopy via flexible acousto-optic deflector

**Preprint:** - De Vito et al, 2020, Effects of excitation light polarization on fluorescence emission in two-photon light-sheet microscopy

**Conference Papers:** - De Vito et al, 2020, Two-photon light-sheet microscopy for high-speed whole-brain functional imaging of zebrafish neuronal physiology and pathology  
- Mullebroich et al, 2017, High-fidelity functional and structural whole-brain imaging with Bessel-beam light-sheet microscopy

## READ MORE

**Driving Licence:** Type B, released on 14/12/2011.

**Certifications:** Lifeguard

**Hobbies:** Waterpolo, cooking

**Soft skills:** *Science Communication (Presentations)*

**Events and conferences** - International Conference on Biosensing and Imaging ICOBSI: 17-19th December 2018, Florence, Palazzo dei Congressi  
- The light sheet microscopy conference LSFM 2019, Francoforte, dicembre 2019

**Digital Forum:** - Photonics Europe 2020, aprile 2020.

**Education and scientific dissemination:** - SCIENZESTATE 2019  
- Private lessons to students

**Summer School:** BRANDY School 2019 (23-28th June 2019).

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## TRANSFER OF PERSONAL DATA

In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art. 7 of the above mentioned decree

Firenze, 01/01/2021

*Pietro Ricci*