

# Edoardo Giussani

Birth date: 05/04/1993  
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## EDUCATION

**EVOLUTIONARY BIOLOGY** • FINAL MARK: 105/110 2017-2019  
UNIVERSITÀ DEGLI STUDI DI PADOVA, PADUA (ITALY) MASTER'S DEGREE

Thesis: "Viral load and copy number variation in chronic lymphoproliferative disorder of NK cells disclosed by custom analyses of exome profiling data"

**ENVIRONMENTAL SCIENCES AND TECHNOLOGY** • FINAL MARK: 92/110 2012-2016  
UNIVERSITÀ DEGLI STUDI DI PADOVA, PADUA (ITALY) BACHELOR'S DEGREE

Thesis: "Importanza dell'appetibilità nel fenomeno del "secondary killing" in tre diverse esche insetticida per il controllo di *Blattella germanica* (Blattodea)"

## WORK EXPERIENCE

**TEMPORARY RESEARCH FELLOW** 02/2020-07/2020  
DEPT. MOLECULAR MEDICINE, PADUA FULL-TIME

Project: "Study of amplified or deleted genomic regions in chronic lymphoproliferative disorder of NK cells"

- Programming a custom Python pipeline to perform analyses
- Results reworked with R and spreadsheets
- Enrichment and selection of candidate genes for validation

**FIELD AND LABORATORY ASSISTANT** 2015-2017  
ENTOSTUDIO, PONTE SAN NICOLÒ STAGE/FULL-TIME

- Laboratory and field tests to evaluate repellents and insecticides effectiveness
- Design and long term planning of tests
- Breeding and identification of different species of insects

## PERSONAL SKILLS

Digital skills	<ul style="list-style-type: none"><li>-<b>Excellent:</b> Microsoft Excel, Word, Power Point and Access</li><li>-<b>Great:</b> C#, Python, VBA, SQL, R, <math>\text{\LaTeX}</math> and Arduino's language</li><li>-<b>Basic:</b> GitHub, SCons and Docker</li><li>-Fast learning of new programming languages</li><li>-Development in Linux and Windows environment, desktop and server</li></ul>
Bioinformatics skills	<ul style="list-style-type: none"><li>-Methods development to perform custom analyses on NGS data</li><li>-Study of somatic CNVs from WES paired tumor-control samples</li><li>-Investigation of viral DNA integration in human genome</li><li>-Navigation in principal bioinformatics databases</li></ul>
Language skills	<ul style="list-style-type: none"><li>-<b>Italian:</b> mother tongue</li><li>-<b>English:</b> Understanding: B2   Speaking: B2   Writing: B2</li></ul>
Driving licence	B

## PUBLICATIONS

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**Giussani, Edoardo** et al. **2019**. *Whole Exome Sequencing Analysis in Chronic Lymphoproliferative Disorder of NK Cells (CLPD-NK) Patients Fails to Detect Significant Viral Load*. American Society of Hematology Washington, DC. URL: <https://doi.org/10.1182/blood-2019-127907>.

Corcos, Daria, [...], **Giussani, Edoardo**, et al. **July 2020**. "Effects of natural pyrethrum and synthetic pyrethroids on the tiger mosquito, *Aedes albopictus* (skuse) and non-target flower-visiting insects in urban green areas of Padua, Italy". In: *International Journal of Pest Management* 66.3, pp. 215–221. URL: <https://doi.org/10.1080/09670874.2019.1612123>.

Gasparini, Vanessa Rebecca, [...], **Giussani, Edoardo**, et al. **Apr. 2020**. "A high definition picture of somatic mutations in chronic lymphoproliferative disorder of natural killer cells". In: *Blood Cancer Journal* 10.4, p. 42. URL: <https://doi.org/10.1038/s41408-020-0309-2>.

**Giussani, Edoardo** et al. **Nov. 2020**. "Lack of viral load within CLPD-NK cells: what's outside the leukemic clone?" In: *Front. Oncol.* 10, in press.