

Edoardo Giussani

Birth date: 05/04/1993
Via Dorighello, 1, 35128 Padova (PD), Italy
+39 331 311 8583
edoardo.giussani@outlook.com

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

PUBLICATIONS

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.