

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 relaboration 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	- 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	-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	- 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.*
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.

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.

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