



MERCEDES GUERRERO

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EDUCATION

Master of Omics Data Analysis, Universitat de Vic 2017 - 2018
Graduated in biotechnology, Universitat de Vic 2012 - 2017

EXPERIENCE

MSc final thesis in *VHIR*

Liver diseases group, Dr. Josep Quer 2018

- Development of R package to compute the diversity indices of haplotype abundances in viral quasispecies with NGS data.



<https://github.com/VHIRHepatiques/QSutils>

Formation stay in *GRIB*

Computational RNA group, Dr. Eduardo Eyras 2017

- Comparison studies between sequencing techniques.

Formation stay in *VHIR*

Statistics and Bioinformatics unit (UEB), Dr. Alex Sanchez 2017

- Development of R package to analyse microarray data.
- Training in different areas of Bioinformatics.



<https://github.com/Merguerrero/BasicP>

Final thesis in *IMIM*

Microarray Analysis Service (SAM), Lara Nonell 2016 - 2017

- Carry out the final thesis "Sensitivity to Trastuzumab in cancer cell lines using microarray data" where data from different projects were integrated to see the effect of the drug at the gene level.

Internship in *Anaxomics S.L*

2015 - 2016

- Manual annotation of the Anaxomics database, which relates pathological conditions, diseases, drugs and their adverse events and indications, and key proteins.
- Bibliographic identification of key proteins for specific pathological conditions.

LANGUAGES SKILLS

Native **Spanish and Catalán**.

Intermediate level of **English**, FCE certificate.

COURSES

Course “Estadística Bàsica per a la Investigació Biomèdica”, VHIR	2017
Course “Statistical Learning”, Stanford University (online)	Present

SKILLS

Domain of statistical analysis software **R**.

Domain of programming in **Python and Bash** language.

Average level of document preparation with **LaTeX**.

Basic level of database management system **MySQL**.

Basic level of graphics edition with **Illustrator**.

Domain of different operating systems as **Linux, Windows or Mac**.

CONFERENCES

V Jornada de Bioinformàtica i Genòmica.	2017
V Bioinformatics Student Symposium.	2017
XIV International Symposium on viral hepatitis.	2018

OTHER



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VOLUNTARY WORK

l'Associació de Familiars i Amics de Nens Oncològics de Catalunya (AFANOC). 2017-Present