



EMADELDIN HASSANIN

Bioinformatician

Experience

Bioinformatics Intern

Megeno | Sep 2019 - Present

Benchmarking genomic data compression and encryption tools

Research assistant

Luxembourg Centre For Systems Biomedicine | May 2017 - Aug 2019

"Comparative effectiveness of antiepileptic drug combination therapy based on mode of action"

- R programmer | Rstudio, Rmarkdown, bookdown.
- Data manipulation, statistical and demographic analysis, and visualisation.
- Parallel computation, High performance computer (HPC) clusters, and cloud environment.

Hospital Pharmacist

National Cancer Institute (NCI), Cairo | Mar 2016 - Aug 2016

Clinical pharmacist

Education

MSc. in Integrated Systems Biology

University of Luxembourg, Belval | Sep 2017 - Jan 2020

- Omics levels (genomics, transcriptomics, proteomics, and metabolomics)
- Stoichiometric, metabolic and boolean modelling.

Master thesis

"Exploring phenotype collection of epilepsies in the Epi25 collaborative dataset"

BSc. in Pharmacy

Cairo University, Cairo | Sep 2009 - Jun 2014

- Pharmacology, pharmaceutical, and biochemistry.
- Microbiology and immunology.

Courses

High Performance Computing (HPC)

University of Luxembourg, Belval

Access to and interaction with the Luxembourg University HPC infrastructures.

Advanced data management and stewardship

Elixir-Lu, Belval

Scientific and computational reproducibility of research, understanding the FAIR Principles for data,



Awards

Bourse Portabella Y Conte Lacoste, 2019

MSc. in Integrated Systems Biology from University of Luxembourg and seeking for postgraduate studies

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Software skills

R	●	●	●	●	●
Unix, Linux	●	●	●	●	●
HPC	●	●	●	●	●
Oracle cloud	●	●	●	●	●
Bash	●	●	●	●	●
Snakemake	●	●	●	●	●
Docker	●	●	●	●	●

Language skills

English	●	●	●	●	●
Arabic	●	●	●	●	●
French	●	●	●	●	●
Luxembourgish	●	●	●	●	●