



EMADELDIN HASSANIN

Bioinformatician | Biostatistician | R expert

Experience

Epidemiologist research assistant

Institute for Genomic Statistics and Bioinformatics | May 2020 - Present

Biostatistics, Statistical genetics & machine learning approaches.

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 (Genomics, Transcriptomics, Proteomics, and Metabolomics).

■ Statistical, stoichiometric, metabolic and boolean modelling.

Master thesis

Statistical approaches to explore epilepsies phenotype collection 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 and interaction to the Luxembourg University HPC infrastructures.

Advanced data management and stewardship

Elixir-Lu, Belval

Scientific reproducibility of research, based on the FAIR Principles for data.



Awards

Bourse Portabella Y Conte Lacoste, 2019

MSc. in Integrated Systems Biology

Contact

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Social

🌐 <https://www.linkedin.com/in/emad-saeed-lu/>

🏠 Click on the icon to change

Software skills

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

Language skills

English	●	●	●	●	●
French	●	●	●	●	●
German	●	●	●	●	●
Arabic	●	●	●	●	●