

# Hédia Tnani



## EDUCATION

2007  
|  
2012

### PhD in Biotechnology

Centre for Research in Agricultural Genomics (CRAG)

📍 Barcelona, Spain

- Research project: [The structure and function of maize scutellum during early stages of germination](#)



## RESEARCH PROJECTS

2018  
|  
Currently

### PostDoctoral Fellow

Pasteur Institute of Tunis (IPT). Laboratory of Bioinformatics, Biomathematics and Biostatistics (BIMS)

📍 Tunis, Tunisia

- Drug discovery: Study of gene expression during infection to understand the Host-Pathogen interaction of *L.major* and Network Propagation analysis
- Identification of novel drug targets in *Leishmania major* using in-silico metabolic coupling
- Part of the H3ABioNet Workflows, Machine Learning, RefGraph, Gene Association WPs
- Development of Shell, R and Python pipelines for bioinformatics data analysis
- Cloud computing using AWS
- Nextflow pipeline for Variant Calling analysis and RNA-seq
- Continuous Integration of the bioinformatic workflows

2013  
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2017

### PostDoctoral Fellow

International Rice Research Institute (IRRI) 📍 Los Baños, Philippines

- Project manager of a BMZ project on developing flood tolerant rice varieties

2012  
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2013

### PostDoctoral Fellow

National Centre of Scientific Research (CNRS)

📍 Rouen, France

- Project manager of the research aspect of an Interreg project between France (CNRS / University of Rouen) and England (University of Portsmouth)



## SELECTED PUBLICATIONS IN JOURNALS

2021

### Enriched-GWAS and Transcriptome Analysis to Refine and Characterize a Major QTL for Anaerobic Germination Tolerance in Rice

International Journal of Molecular Sciences

- Tnani H, Chebotarov D, Thapa R, Ignacio JCI, Israel WK, Quilloy FA, Dixit S, Septiningsih EM, Kretzschmar T



## CONTACT INFO



[hediatnani0@gmail.com](mailto:hediatnani0@gmail.com)



[@HediaTnani](#)



[@TnaniHedia](#)



+216 26100622

For more information, please contact me via email.

## SKILLS



R | tidyverse



ggplot



Python > Shell



Git | GitHub



Docker | aws

## LANGUAGES

Arabic, French: Native

English: Proficient

Spanish: Proficient

*Last updated on 2021-04-28*