


# Hassan HIJAZI

 \HijaziiHassan



## E-mail

hejaziihassan@gmail.com



## Languages

- Arabic (native)
- English (C1)
- French (B2)



## Computer Skills

- R
- Python (intermediate)
- Unix command line
- Git/Github
- LaTeX
- Inkscape



## Interests

- Poetry
- Evolution Theory
- Machine Learning

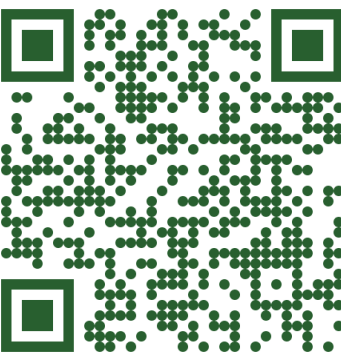


## Distinction

Two published poetry books

- “[A second Apple for Eve](#)” 2015
- “[Lamar](#)” 2018
- Rewarded scout holding “wood badge” from Fédération du scoutisme Libanais (2016).

For more detailed info,  
please visit me at:



<https://hijazihassan.github.io/>



## SCIENTIFIC EXPERIENCE

### PhD project | 2021 – 2025

- **Location:** EDyP Lab - CEA – Grenoble
- **Subject:** Studying Histone Lysine Acylations in Huntington’s Disease by Proteomics
  - ESI-MS (DDA & PRM)
  - Histone extraction and biochemical processing for proteomic analysis
  - Skyline, Mascot, FreeStyle, ...
  - Histone proteomics data analysis in R & Python ([HistonePTM](#))

### Master Research project | 2021 (5 months)

- **Location:** Institute of Structural Biology – Mass spectrometry Platform – Grenoble, France
- **Subject:** Impact of detergents on sequencing membrane proteins using MALDI-MS
  - MALDI-MS
  - protein purification, buffer exchange.
  - Unidec, Massign

### Master Research project | 2020 (6 months)

- **Location:** ETH Zürich - DBSSE – Bioprocess Laboratory – Sven Panke’s Lab – Basel, Switzerland
- **Subject:** Ultradeep Sequence-Function Mapping of Prokaryotic Promoter Libraries
  - PCR, Molecular cloning, cell culture, DNA extraction



## PUBLICATIONS

### Mind Your Spectra: Bullet Points to Validate the Identification of Isobaric Histone Peptidoforms

Hassan Hijazi, Julie Manessier, Sabine Brugiere, Tina Ravnsborg, Marie Courçon, Ole N Jensen, Anne-Marie Hesse, Christophe Bruley, Delphine Pflieger  
DOI: [10.1021/acs.jproteome.4c01056](https://doi.org/10.1021/acs.jproteome.4c01056)

### Impact of Arsenite on Histone H3 Modifications in Relation to Other Parameters of Cellular Stress (under submission)

Tatjana Lump, Hassan Hijazi, Sandra Stößer, Eda Tekin, Franziska Fischer, Sabine Brugiere, Delphine Pflieger, and Andrea Hartwig

### Quantitative Profiling of Histone Variants and Posttranslational Modifications by Tandem Mass Spectrometry in Arabidopsis

Vangeli Geshkovski, Hassan Hijazi, Julie Manessier, Sabine Brugiere, Marie Courçon, Gilles Vachon, Delphine Pflieger & Cristel C. Carles  
DOI: [10.1007/978-1-0716-4228-3\\_2](https://doi.org/10.1007/978-1-0716-4228-3_2)

### Sequencing intact membrane proteins using MALDI mass spectrometry

Edison Zhamungui Sánchez, Hassan Hijazi, Jana Haidar, Enrica Mecarelli, Elda Bauda, Isabelle Petit-Härtlein, Jean-Marie Teulon, Jean-Luc Pellequer, Elisabetta Boeri Erba  
DOI: [10.3389/frans.2023.1124741](https://doi.org/10.3389/frans.2023.1124741)

### Toehold switch based biosensors for sensing the highly trafficked rosewood *Dalbergia maritima*

Paul Soudier, Daniel Rodriguez Pinzon, Tristan Reif-Trauttmansdorff, Hassan Hijazi, ... Anna Niarakis a c, Manish Kushwaha, Ioana Grigoras  
DOI: [10.1016/j.synbio.2022.03.003](https://doi.org/10.1016/j.synbio.2022.03.003)



## EDUCATION

### Université Grenoble Alpes – France | 2021 – 2025

- École doctorale Chimie et Sciences du Vivant (ED CSV)
- Funded by [GRAL](#)

### Université Grenoble Alpes – France | 2020 – 2021

- [Master 2 in Nanosciences and Nanotechnologies](#)

### Université Paris Saclay – France | 2019 – 2020

- [Master 2 in Systems and Synthetic Biology](#)

### Lebanese University, Faculty of Sciences (I) - Lebanon

- Master 1: Applied Animal Biology 2013 – 2014
- Bachelor's degree: Life and Earth Sciences 2010 – 2013