Hassan HIJAZI

in \HIJAZIIHASSAN

✉ E-mail
hejaziihassan@gmail.com

Languages
- Arabic   (native)
- English (C1)
- French   (B1)

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

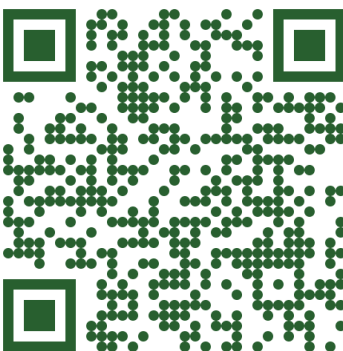## Interests
- Poetry
- Evolution Theory
- Machine Learning

Distinction
Two published poetry books
- "A second Apple for Eve" 2015
- "Lamar" 2018
- Rewarded scout holding "wood badge" from Fédération du coutisme Libanais (2016).

For more detailed info, please visit me at:

https://hijazihassan.github.io/

SCIENTIFIC EXPERIENCE

PhD project | 2021 – currently **(until end of march 2025)**
- **Location:** EDyP Lab - CEA - Grenoble
- **Subject: Studying Histone Lysine Acylations in Huntington's Disease by Proteomics**
- Skills:
    - ESI-MS (DDA & PRM)
    - histone extraction, western blot.
    - Xcalibur/FreeStyle
    - Skyline
    - Histone proteomics data analysis in R & Python
        - HistonePTM R package (vignette)

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
- Skills:
    - MALDI-MS
    - protein purification, buffer exchange.
    - Unidec, Massign

Master Research project | 2020 (6 months)
- **Location:** ETH Zürich - **D**BSSE – Bioprocess Laboratory – Sven Panke's Lab – Basel, Switzerland
- **Subject:** Ultradeep Sequence-Function Mapping of Prokaryotic Promoter Libraries
- Skills: PCR, Molecular cloning, cell culture, DNA extraction

PUBLICATIONS

Mind Your Spectra: Bullet Points to Validate the Identification of Isobaric Histone Peptidoforms (under revision)
<u>Hassan Hijazi</u>, Julie Manessier, Sabine Brugiere, Tina Ravnsborg, Marie Courçon, Ole N Jensen, Anne-Marie Hesse, Christophe Bruley, Delphine Pflieger
DOI: 10.1101/2024.11.13.623238

Quantitative Profiling of Histone Variants and Posttranslational Modifications by Tandem Mass Spectrometry in Arabidopsis
Vangeli Geshkovski, <u>Hassan Hijazi</u>, Julie Manessier, Sabine Brugière, Marie Courçon, Gilles Vachon, Delphine Pflieger & Cristel C. Carles
DOI: 10.1007/978-1-0716-4228-3_2

Sequencing intact membrane proteins using MALDI mass spectrometry
Edison Zhamungui Sánchez, <u>Hassan Hijazi</u>, Jana Haidar, Enrica Mecarelli, Elda Bauda, Isabelle Petit-Härtlein, Jean-Marie Teulon, Jean-Luc Pellequer, Elisabetta Boeri Erba
DOI: 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, <u>Hassan Hijazi</u>, … Anna Niarakis a c, Manish Kushwaha, Ioana Grigoras
DOI: 10.1016/j.synbio.2022.03.003

EDUCATION

Université Grenoble Alpes – **France |** 2021 – currently
- **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