

PERSONAL INFORMATION

Sameh Othman



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🆔 **ORCID** [0000-0002-6492-403X](https://orcid.org/0000-0002-6492-403X)

Date of birth 23 October 1992 | **Nationality** Palestinian

WORK EXPERIENCE

July 2021 – Present

PhD Researcher

Forschungszentrum Jülich
Wilhelm-Johnen-Straße 1, 52428 Jülich

Design, run, and analyse MD simulations of active matter with alignment field using LAMMPS and Python.

- Cosupervised two Bachelor students.
- Cosupervised three high school students.

October 2020 – May 2021

Research Internship

Max Planck Institute for Intelligent Systems
Max Planck-Ring 4, Tübingen, 72076

Improved a Bayesian community detection framework to address sampling bias, explicitly modeling non-exposure in datasets. Improved graph reconstruction compared to non-exposure models, maintaining community recovery performance, and introduced the ability to estimate the probability of node exposure.

Feb 2016 – June 2017
Oct 2018 – June 2020

Observatory Operator/ Manager

Birzeit University, Palestine

- operated the university observatory, largest in Palestine.
- managed and organized day and night activities.
- coordinated with schools and societies for educational visits.
- taught interested university students about astronomy and telescopes.
- supervised astronomy club through organizing internal and external activities.

EDUCATION AND TRAINING

2021–present

PhD in Biophysics

PhD - Thesis Title: "Active Brownian Particles in Alignment Field"
University of Cologne, Cologne, Germany

2016–2020

Master Degree in Physics

October 2017–September 2018
Research visit at FZJ for master thesis project.
Birzeit University, Ramallah, Palestine

2010–2016

Bachelor Degree in Major Physics/ Minor Computer Science

Birzeit University, Ramallah, Palestine

PERSONAL SKILLS

Mother tongue Arabic

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
German	A2	A2	A1	A1	A1

Communication skills

- Team work: I have collaborated in a wide range of teams, spanning international research collaborations to university student clubs.
- Mediating skills: I have worked with different levels of employees and students at Birzeit university to manage and operate the university observatory to become well-known around Palestine.
- Intercultural skills: I am experienced at working in an international and youth camps in Palestine and abroad.

Organisational / managerial skills

- As a member of the school committee at Scientist4Palestine, I co-organized and managed three summer schools for graduate students from various Palestinian universities. Still working on future schools.
- As a founder of NOVA for astronomy and space science society in Palestine, I founded, co-organized, and managed the society to be a successful community in astronomy in Palestine.
- Creatively and willingness to learn new skills.

Digital competences

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

[Digital competences - Self-assessment grid](#)

Computer skills

- Daily Python and Bash user.
- Previous programming languages: C, Java.
- Proficient with Git and HPC.
- Competent with most Microsoft Office programmes.

Other skills Photography and astrophotography. Enjoy adventures and seeking discomfort. Love to travel and experience different cultures.