



# MOHAMMED R. S. SUNOQROT

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0000-0001-9239-1683 Norwegian/Palestinian | Born: 1991

## ABOUT

I am a researcher with a PhD in medical technology and background in Biomedical engineering. I have a significant experience in developing machine & deep learning systems, data analysis & management, medical imaging, image analysis, innovation management, and navigating regulations for AI-based medical devices.

I am Looking for a position where I can utilize and transfer my extensive knowledge in modern technology.

## EXPERIENCE

### Postdoctoral Researcher

#### Norwegian University of Science and Technology - NTNU

July 2022 – Present Trondheim, Norway

- Designed a proof-of-technology clinical study for AI diagnosis systems.
- Prepared & wrote regulatory documents for software as medical device.
- Developed AI systems for prostate cancer detection.
- Supervised master students.
- Collaborated on international projects to improve AI diagnosis systems.

### Innovation Project Manager

#### Norwegian University of Science and Technology - NTNU

Jan 2022 – July 2022 Trondheim, Norway

- Investigated innovation for AI solutions of prostate cancer diagnosis.
- Increased technology readiness levels for an AI for radiology product.
- Landscaped the market & initiated meetings with industry & customers.
- Coordinated with technology transfer office, & industry partners.

### Researcher

#### Norwegian University of Science and Technology - NTNU

Aug 2021 – Jan 2022 Trondheim, Norway

- Developed machine & deep learning methods for MRI image analysis.
- Analyzed, processed, & managed medical images.
- Taught & supervised master students.

### Data & Cloud Manager & Coordinator [Part-time]

#### Norwegian University of Science and Technology - NTNU

May 2018 – Present Trondheim, Norway

- Managed & organized a number of HUNT cloud labs for CIMORe Group.
- Coordinated labs (compliance, data, privacy, technical, & knowledge).
- Monitored & troubleshooted the labs activities.
- Collected, managed, organized, & secured MR image cohorts.
- Maintained data privacy & security.
- Monitored image quality & data integrity.

## EDUCATION

### Ph.D. in Medical Technology

#### NTNU

Mar 2017 – Aug 2021 Trondheim, Norway

Thesis title: Computer-Aided Diagnosis of Prostate Cancer Using Multiparametric MRI.

[Thesis](#) [Certificate & Transcript](#)

### M.Sc. in Biomedical Engineering

#### University of Dundee

Jan 2015 – Jan 2016 Dundee, UK

Graduated with a Distinction.

Thesis title: Microultrasound scanning of Oesophageal tissue.

[Thesis](#) [Certificate & Transcript](#)

### B.Sc. in Biomedical Engineering

#### German-Jordanian University

Sep 2009 – Jun 2014 Amman, Jordan

Thesis title: Radiation Doses And Risks From Computed Tomography In Jordan.

[Thesis](#) [Certificate & Transcript](#)

### B.Sc. in Biomedical Engineering

#### Koblenz University of Applied Sciences

Sept 2012 – Jul 2013 Remagen, Germany

Exchange year.

## STRENGTHS

Data Science Data Analysis & Management  
Medical Imaging Image Analysis & Processing  
Innovation & Project Management Presentation  
Scientific Writing Proposals Preparing & Writing  
Research Teaching Supervising

Machine Learning Deep Learning Matlab  
Python Docker GitHub Linux Cloud

## PATENT

### Patent Co-inventor

Machine & deep learning solutions for radiology. United Kingdom Patent Application No. GB2206589.0 (2022; Pending)

## Doctoral Researcher

### Norwegian University of Science and Technology - NTNU

📅 Mar 2017 – Aug 2021 📍 Trondheim, Norway

- Developed machine & deep learning models for MR image analysis.
- Designed, run, & analyzed experiments on AI for prostate cancer diagnosis.
- Participated & presented in national & international projects & conferences.

## Lecturer

### Korea-Palestine Centre & Palestine Polytechnic University

📅 Aug 2016 – Dec 2016 📍 Hebron, Palestine

- Taught a course on MATLAB programming & image processing.
- Prepared the course material.

## Intern

### Koblenz University of Applied Sciences (Hochschule Koblenz)

📅 Mar 2013 – Jul 2013 📍 Remagen, Germany

- Helped with various tasks at the Medical Robotics Laboratory.
- Designed, run, & analyzed experiments related to robotic laser osteotomy.
- Investigated optical tracking system.

## Intern

### Al-Ahli Hospital, Department of Biomedical Engineering

📅 Aug 2011 – Sep 2011 📍 Hebron, Palestine

- Maintained a variety of medical diagnostic & therapeutic equipment.
- Performed repairs & adjustments to medical equipment.

## PROJECTS

### Prostate Cancer Visualization by MRI (PROVIZ)

#### Research Council of Norway/NTNU

📅 2019 – Present 📍 Trondheim, Norway

- Lead the project to apply for a patent.
- Secured fund (200 K NOK) & coordinated with external collaborators. [Read](#)
- Managed & lead the innovation programme (Fund = 600 K NOK). [Read](#)
- Managed the Product, Data, & Cloud.
- Developed AI tools for diagnosis of prostate cancer MRI.

### AI-based decision support system for detection and localization of prostate cancer

#### Liaison Committee between the Central Norway RHA and NTNU/NTNU

📅 2022 – Present 📍 Trondheim, Norway

- I am the project leader/Principal Investigator.
- I received 4 million NOK fund.
- Prepared a project proposal & budget.
- Working on developing & improving AI tools.
- Working on testing AI solutions in the clinic.

## ACHIEVEMENTS

🏆 **Top Graduate (1st on class)**  
M.Sc. 2016

🏆 **Winning team of DT Symposium**  
GREAT Design Thinking Symposium, University of Turku, Finland (2022) [Read](#)

📄 **Awarded ISMRM Stipend for 3 times**  
Trainee (Educational) Stipend (2018-2020)

📄 **Awarded Global Excellence Scholarship**  
University of Dundee for Postgraduate Taught Programs. Partial funding (2015)

## LANGUAGES


Arabic ● ● ● ● ●

English ● ● ● ● ●

Norwegian ● ● ● ● ●

German ● ● ● ● ●

## SCIENTIFIC

More than 10 Journal publications, 20 Conference posters/abstracts, 1 Book chapter, and 4 invited Academic lectures. Supervisor for 3 Master students and 2 Bachelor students.   
Cristin: 891930  0000-0001-9239-1683

## MEMBERSHIPS

- International Society for Magnetic Resonance in Medicine (ISMRM)
- Digital Life Norway (DLN)
- Norwegian Society of Graduate Technical and Scientific Professionals (Tekna)
- Jordan Engineers Association
- Palestine Engineers Association

## REFEREES

Available upon request