

Amir Rad

Date of Birth: 6 March 1980

Citizen: Norway

Nygårdvegen 2,

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Education

- **PhD in Health Sciences** | 2016–2023
UiT – The Arctic University of Norway, Tromsø, Norway
- **Specialization in Bioinformatics** | 2015
Harvard University (Online)
- **Master of Science in Molecular Biology** | 2011–2013
University of Gothenburg, Sweden
- **Master of Science in Environmental Science (Ecotoxicology)** | 2009–2011
University of Gothenburg, Sweden
- **Bachelor of Science in Agricultural Engineering** | 1998–2005
Ferdowsi University, Mashhad, Iran

Professional Experience

Project Assistant | Nov 2024–Jun 2025

Vårt Hav Arktis, Tromsø, Norway

- Applied advanced statistical analysis using R to inform regional sustainability projects.
- Designed and analyzed questionnaires for socio-environmental activities, measuring participants' physical and psychological states before and after activities.
- Quantified the environmental and economic influence of various activities.
- Contributed to successful grant applications, aiding in securing funding for environmental initiatives.

Administrative Assistant | Aug 2023–Mar 2024

Faculty of Biosciences, Fishery, and Economics, UiT – The Arctic University of Norway, Tromsø, Norway

- Delivered statistical insights using Tableau, R, and SPSS.
- Streamlined administrative workflows and organized research events.

PhD Researcher | Sep 2016–Nov 2023

Department of Community Medicine and Department of Clinical Medicine, UiT – The Arctic University of Norway, Tromsø, Norway

- Led epidemiological research projects focused on HPV and cervical cancer.
- Conducted statistical analyses using SPSS and R on datasets from the Norwegian Cancer Registry and hospitals in Norway and South Africa
- Published peer-reviewed articles and presented at international conferences.
- Presented regularly at EPINOR seminars, departmental weekly meetings, and journal clubs.

Temporary Researcher | Nov 2014–Sep 2016

Department of Clinical Medicine, UiT – The Arctic University of Norway, Tromsø, Norway

- Focused on epigenetics and inflammatory bowel disease (IBD).
- Performed advanced genomic analyses using R and Bioconductor.

Guest Researcher | Jun 2013–Dec 2013

Department of Environmental Medicine, Karolinska Institute, Stockholm, Sweden

- Conducted research on transcriptional mutagenesis in cancer models.
- Supervised and trained students in molecular biology techniques.

Research Assistant | Jan 2012–Mar 2013

Dept. of Chemistry and Molecular Biology, University of Gothenburg, Sweden

- Investigated genetic interactions using *Drosophila melanogaster*.
- Specialized in molecular biology techniques like PCR, Western blotting, and fluorescence microscopy.

Research Assistant | Sep 2010–Jun 2011

Dept. of Environmental and Biological Sciences, University of Gothenburg, Sweden

- Conducted research using Eelpout and Rainbow Trout as laboratory models.
- Analyzed biochemical and molecular parameters using qPCR, enzyme extraction, and spectrofluorometry.

Agricultural Expert | Apr 2008 - Jul 2009

Dehbagh Agricultural Company, Mashhad, Iran

- Agricultural Project Leadership & Personnel Management
- Environmental & Technical Agricultural Assessment

Agricultural Expert | Mar 2004 - Oct 2006

Zarkaran Agricultural Company, Mashhad, Iran

- Sustainable Agricultural Project Management
- Environmental Monitoring & Resource Management

Certifications and Training

- Data Stewardship and Research Data Management Lifecycle. DocEnhance (UiT Arctic University). (2025–present).
- Genomic Data Science with Galaxy. Johns Hopkins University (Online). (2025–present).
- Sequence Capturing Epigenetics. Roche Company. (2015).
- Health Safety and Environment Certification. UiT Arctic University. (2015).
- Tour Guide. Ministry of Cultural Heritage, Tourism, and Handicrafts. (2009).

Awards and Scholarships

- Recruitment Scholarship, University of Montreal Faculty of Medicine (\$8,000).
- Master's Scholarship, Montreal Clinical Research Institute (\$20,000).

Languages

- English/Norwegian/Swedish: Fluent professional
- French/Italian: Intermediate
- German: Basic/intermediate
- Persian: Native

Scientific Publications and Contributions

Peer-Reviewed Articles

- **Rad, A.**, Sørbye, S.W., Tiwari, S., Løchen, M.-L., & Skjeldestad, F.E. (2023). Risk of Intraepithelial Neoplasia Grade 3 or Worse (CIN3+) among Women Examined by a 5-Type HPV mRNA Test during 2003 and 2004, Followed through 2015. *Cancers*, 15(12), 3106. <https://doi.org/10.3390/cancers15123106>.
- **Rad, A.**, Sørbye, S.W., Brenn, T., Tiwari, S., Løchen, M.-L., & Skjeldestad, F.E. (2023). 13-Type HPV DNA Test versus 5-Type HPV mRNA Test in Triage of Women Aged 25-33 Years with Minor Cytological Abnormalities - 6 Years of Follow-Up. *International Journal of Environmental Research and Public Health*, 20(5), 4119. <https://doi.org/10.3390/ijerph20054119>.
- **Rad, A.**, Sørbye, S.W., Dreyer, G., Hovland, S., Falang, B.M., Louw, M., & Skjeldestad, F.E. (2017). HPV Types in Cervical Cancer Tissue in South Africa: A Head-to-Head Comparison by mRNA and DNA Tests. *Medicine (Baltimore)*, 96(47), e8752. <https://doi.org/10.1097/md.00000000000008752>.
- Albertsson, E., **Rad, A.**, Sturve, J., Larsson, D.G., & Förlin, L. (2012). Carbonyl Reductase mRNA Abundance and Enzymatic Activity as Potential Biomarkers of Oxidative Stress in Marine Fish. *Marine Environmental Research*, 80, 56-61. <https://doi.org/10.1016/j.marenvres.2012.07.001>.

Manuscript

- Chen, X., Busayavalasa, K., **Rad, A.**, Mofrad, M., and Sabri, N. (2013). RanBP3 Stimulates Hedgehog Activity by Regulating the Cullin-3-Mediated Degradation of the Drosophila Gli Protein Cubitus interruptus. *Unpublished manuscript*.

Theses

- **Rad, A.** (2023). HPV mRNA and HPV DNA Tests in Cervical Cancer Screening. (PhD Thesis, UiT The Arctic University of Norway). <https://hdl.handle.net/10037/31583>.
- **Rad, A.** (2013). The Role of Nucleocytoplasmic Transport System in the Hedgehog Signaling Pathway in *Drosophila melanogaster*. (Master's Thesis, University of Gothenburg). <http://dx.doi.org/10.13140/RG.2.2.16701.58080>.
- **Rad, A.** (2012). Study of Carbonyl Reductase and DT-diaphorase in Eelpout (*Zoarces viviparus*) and Rainbow Trout (*Oncorhynchus mykiss*). (Master's Thesis, University of Gothenburg). <http://dx.doi.org/10.13140/RG.2.2.23412.46725>.

Posters

- Koch, C., Mikkelsen, E.S., Bui, M.T., **Rad, A.** (2025). School-Based Citizen Science Project: A Novel Paradigm for Handling Marine Litter in The Arctic. Tromsø, Norway.
- **Rad, A.**, Sørbye, S.W., Dreyer, G., Hovland, S., Falang, B.M., Louw, M., & Skjeldestad, F.E. (2017). HPV Types in Cervical Cancer Tissue in South Africa - A Head-to-Head Comparison by HPV mRNA and DNA Tests. Poster presented at the 31st International Papillomavirus Conference. Cape Town, South Africa. <http://dx.doi.org/10.13140/RG.2.2.12778.63688>.
- Albertsson, E., **Rad, A.**, Sturve, J., Larsson, D.G., & Förlin, L. (2011). Characterization of Carbonyl Reductase Expression and Activity in Rainbow Trout and Eelpout. Poster presented at the PRIMO16 Conference, California, USA.

Presentations, Lectures, & Dissertations

- **Rad, A.** (2025). Epigenetikk og Ernæringsepidemiologi. Lecture/presentation for The Faculty of Health and Sport Sciences, UiA University of Agder. Kristiansand, Norway. [10.13140/RG.2.2.28559.85923](https://doi.org/10.13140/RG.2.2.28559.85923).
- **Rad, A.** (2023). HPV mRNA and HPV DNA Tests in Cervical Cancer Screening. PhD Dissertation, Faculty of Health Sciences, UiT The Arctic University of Norway. [10.13140/RG.2.2.20360.74248](https://doi.org/10.13140/RG.2.2.20360.74248).
- **Rad, A.** (2023). The future of cervical cancer screening Alternative strategies for optimizing high-performance tests to reduce cervical cancer burden. PhD Trial Lecture. Faculty of Health Sciences, UiT The Arctic University of Norway. Tromsø, Norway. <http://dx.doi.org/10.13140/RG.2.2.13649.85604>.
- **Rad, A.** (2019). The Role of Human Papillomavirus (HPV) in Etiology of Cervical Cancer. Lecture/presentation for Department of Community Medicine, UiT The Arctic University of Norway, Tromsø, Norway. [10.13140/RG.2.2.35270.74567/1](https://doi.org/10.13140/RG.2.2.35270.74567/1).
- **Rad, A.** (2016). Epigenetics in Cervical Cancer. Lecture/presentation for Department of Community Medicine, UiT The Arctic University of Norway, Tromsø, Norway. [10.13140/RG.2.2.14036.92803](https://doi.org/10.13140/RG.2.2.14036.92803).
- **Rad, A.** (2015). Epigenetics in Inflammatory Bowel Disease (IBD). Lecture/presentation for Department of Clinical Medicine, UiT The Arctic University of Norway. Tromsø, Norway. [10.13140/RG.2.2.24103.25766](https://doi.org/10.13140/RG.2.2.24103.25766).
- **Rad, A.** (2013). Transcriptional Mutagenesis (TM). Lecture/presentation for Department of Environmental Medicine, Karolinska Institute, Stockholm, Sweden. [10.13140/RG.2.2.16376.15368](https://doi.org/10.13140/RG.2.2.16376.15368).
- **Rad, A.** (2013). Role of Nuclear Transport in Hedgehog Signaling. MSc Project Presentation for The Department of Chemistry and Molecular Biology, University of Gothenburg. Gothenburg, Sweden. [10.13140/RG.2.2.34169.58721](https://doi.org/10.13140/RG.2.2.34169.58721).
- **Rad, A.** (2011). Study of Carbonyl Reductase and DT-diaphorase in Eelpout (*Zoarces viviparus*) and Rainbow Trout (*Oncorhynchus mykiss*). MSc Project Presentation for The Department of Biological and Environmental Sciences, University of Gothenburg. Gothenburg, Sweden. [10.13140/RG.2.2.25204.41602](https://doi.org/10.13140/RG.2.2.25204.41602).
- **Rad, A.** (2010). Regeneration of Organs in Amphibians. Lecture/presentation for The Department of Chemistry and Molecular Biology, University of Gothenburg. Gothenburg, Sweden. [10.13140/RG.2.2.18493.52969](https://doi.org/10.13140/RG.2.2.18493.52969).
- **Rad, A.** (2009). Silver Nanotechnologies and The Environment: Old Problems or New Challenges. Presentation/Lecture for Department of Chemistry and Chemical Engineering, Chalmers University of Technology, Gothenburg, Sweden. [10.13140/RG.2.2.24365.55529](https://doi.org/10.13140/RG.2.2.24365.55529).