CURRICULUM VITAE

NAME
Amr Al-Haidari
ACADEMIC TITLE
PhD
MAJOR
Cancer immunology
DATE OF BIRTH
1982
ACADEMIC AFFILIATION
Department of Clinical Sciences, Division of Pathology, Lund University
SPECIALIZATION/CONCENTRATION
Medical science/ Oncology/ Pathophysiology
H INDEX
9
CITATIONS
499
GOOGLE SCHOLAR LINK
https://scholar.google.com/citations?user=hgpuV6MAAAAJ&hl=en
OCRID NUMBER
0000-0002-6231-0317

NO. OF PUBLISHED BOOKS 1
NO. OF PUBLICATIONS IN Q1 JOURNALS DURING THE LAST 5 YEARS 6
NO. OF PUBLICATIONS IN Q2 JOURNALS DURING THE LAST 5 YEARS 1
NO. OF PUBLICATIONS PUBLISHED IN NON-INDEXED JOURNALS 1

PROFESSIONAL SUMMARY

Highly dedicated and accomplished scientist specialized in cancer research with a proven track record of contributing to the advancement of cancer science. Possessing a solid background in clinical/ preclinical research as well as in translational cancer research. Well-practiced in drafting corresponding technical and research documents with demonstrated 5-years of teaching in higher education. My teaching philosophy revolves around cultivating a passion for critical thinking and evidence-based practice, preparing the next generation of scientists to tackle the future challenges in cancer research. Highly experienced in designing and driving pre-clinical cancer research projects with the ability to move the findings to translational medicine and the clinical bench. Passionate to motivate people to work together towards shared goals and building long-lasting mutual relationships. The main interest is on immuno-oncology and tumor microenvironment research.

EDUCATION

2018: PhD	Lund University, Clinical sciences department, Sweden Dissertation: “Chemokine-Mediated colon cancer cell migration”
2012: MSc	Lund University, Center of Molecular Protein Science, Sweden Thesis: “Role of Chemokines in colon cancer metastasis”
2004: BA	Sanaa University, Faculty of Medicine, and Health Sciences Major: Medical laboratory medicine

POSITIONS AND SCIENTIFIC APPOINTMENTS

2022-date:	Immuno-oncology researcher at Skåne University Hospital and Lund University.
2020-2022:	Postdoc fellow, Department of clinical pathology, Skåne University Hospital and Lund University.
2013-2018:	Doctoral research student, Lund University, Sweden.
2012-2013:	Research Assistant, surgery department, Lund University

2006-2009: Assistant lecturer of clinical immunology, faculty of medicine, Thamar University, Yemen
2004-2005: Clinical trainee, Regional clinical laboratories.

CLINICAL APPOINTMENTS

2020-date: Cancer immunologist and Clinical scientist at the department of clinical pathology, Skåne University Hospital. Assist in providing diagnosis and therapy follow-up for patients with blood cancers using advanced multiparametric flow cytometry technology.

Clinical tutor in hematopathology. I receive students from biomedicine program for clinical research projects and training in clinical flow cytometry in the diagnosis and therapy follow-up of blood cancers.

HONORS/AWARDS/GRANTS

2023: Torre Nilsson Foundation for medical research, (Research grants, Principle investigator 15,000 €)
2023: Region Skåne (Research grants, Co-investigator 20,000 €)
2023: ALF-Research Funds (Research grants, Co-investigator 130,000 €)
2022: Torre Nilsson Foundation for medical research, (Research grants, Principle investigator 10,000 €)
2022: Royal Physiographic Society of Lund, (Principle investigator, Research grants 8,000 €)
2021: Royal Physiographic Society of Lund, (Principle investigator, Research grants 7,500 €)
2017: The Young investigator award in cancer research, Malmö, Sweden (Awardee 1,000 €)
2018: Maggie Stephens foundation, Lund, Sweden (Research grants, Principle applicant 1,500 €)
2018: John & Augusta Foundation, Lund, Sweden (Travel grants, Principle applicant 1,000 €)
2015: Maggie Stephens foundation, Lund, Sweden (Travel grants, Principle applicant 1,000 €)
2015: John & Augusta Foundation, Lund, Sweden (Travel grants, Principle applicant 1,000 €)
2014: Best research feedback award, London UK, Conference award
2013: John & Augusta Foundation, Lund, Sweden (Travel grants, Principle applicant 900 €)
2009: Erasmus Mundus award for future leading scientists (EU Scholarship Main recipient 30,000€)

CURRENT RESEARCH INTERESTS

- Tumor microenvironment.
- Premetastatic niche formation.
- Extracellular vesicles (EV)-based immunotherapy.
- EV-based delivery system of therapeutic miRNAs.
- EVs as cancer diagnostic, prognostic, and therapeutic markers.
- Regulation of cancer transcriptome.

DISEASE AREA OF FOCUS

- Blood cancer: Leukemia, Lymphoma, and Multiple Myeloma.
- Peritoneal metastasis of colorectal and Ovarian cancers.

RESEARCH EXPERIENCE

Present:
Principle research scientist

- Leading an early phase research program with different research projects. Direct research activities, design research projects, interpret data as well as revising projects budget with successful track record of obtaining intra and extramural research grants to maintain funding that support the research program.
- Managing the research lab and corresponding administrative issues including data management, chemicals and hazardous material inventory, financial management of all lab correspondence as well as team building.
- Identifying opportunities for national and international collaborations and coordinating research activities between research groups. Publishing academic research articles in peer-reviewed journals and disseminate results at national/international conferences as well as submitting annual grants reports.
- Mentored trainees (graduate students, PhD, postdoc, and summer interns) in academic research methodologies and career development.

- Experience in running clinical and preclinical research projects gained from clinical and research work.

Past:
Postdoc fellow

- Obtained my own project funding under the mentorship of associate Professor Mats Ehinger to study the prognostic significance of extracellular vesicles in acute leukemia.
- Involved in collaborative research on the role of CD69 as an early marker for the onset of acute leukemia in patients with myelodysplastic syndrome.
- Performed analytical methods such as multiparametric flow cytometry and advanced image stream flow cytometry techniques to study how cell markers correlated to multi dysplastic syndrome disease phenotype.
- Investigated the metastatic biology of colon cancer cells both in vitro and in vivo with respect to the role of cytokines and chemokines in the migration of colon cancer cells.
- Developed a peritoneal metastasis mouse model and worked on an immuno-oncology project independently with a focus on the tumor microenvironment stroma.
- Co-authored an important review in T cell receptor in health and disease.

PhD research student

- Investigated the metastatic biology of colon cancer cells both in vitro and in vivo with respect to the role of cytokines and chemokines in the migration of colon cancer cells using different experimental platforms ranging from molecular biology techniques to animal cancer research studies.
- Communicated research findings through presentations and written reports, resulting in successful grant applications and publications.
- Designed and executed in vitro and in vivo assays, resulting in identification of lead therapy candidates.
- Contributed to writing and submitting research articles.

Research assistant

- Designed and executed experiments to investigate the role of specific signaling pathways in colon cancer cell migration, proliferation, and survival using cellular and molecular assays.
- Conducted data analysis and interpretation using statistical software, resulting in novel findings and insights.

CURRENT TEACHING INTERESTS

- Cancer cell biology
- Cancer immunology
- Role of extracellular vesicles in cancer metastasis

TEACHING EXPERIENCE

2023: Module Name: BIMB10. Biomedicine program, Lund University.
Teaching undergraduate biomedicine lab course 30 credits: ‘’The biology and chemistry of the cell’’. Total Students: 40

2023: Module Name: Master’s degree research project in molecular biology, Lund University.
Supervising undergraduate research projects for university students.
Current student: Antony Truong, degree thesis: master’s degree 2023, Project title: Therapeutic applications of miRNAs in FLT3+ Acute Myeloid Leukemia.

2022: Module Name: bachelor’s degree research projects, Lund University.
Supervising undergraduate research projects for university students.
Former student: Asyel Jabbar, degree thesis: bachelor’s degree 2022, Project title: Validation of exosome’s yield and purity for clinical biomarkers discovery using polymer precipitation and size exclusion chromatography methods.

2006-2009 Module Name: Immunology and biochemistry, Thamar University, Yemen
Teaching undergraduate courses. 2 semesters, total Students: 70.

- Contributed to course design for tumor markers for undergraduate students in medical laboratories department, faculty of medicine, Thamar University, Yemen.
- Coordinated departmental boards for annual syllabus review of immunology and biochemistry courses, faculty of medicine, Thamar University, Yemen.
- Developed a curriculum of a new course: Role of exosomes in cancer biology.

Teaching techniques used:

- Team-based learning.
- Problem-based learning.
- Inquiry-based learning.
- Overhead and PowerPoint presentations.
- Instructor and Peers feedback.
- CATs assessment strategies.
- Reports evaluation and assignments and exams correction and feedback.

NATIONAL AND INTERNATIONAL SCIENTIFIC PARTICIPATION

- 2024 Upcoming: 8th Cancer World Congress, Dubrovnik, Croatia, poster presentation: MiR-155 inhibits FLT3-ITD-induced Cell Proliferation and Survival of Human Acute Myeloid Leukemia Cells.
- 2018: World gastroenterology conference, Paris, poster presentation: MiR-155-5p controls colon cancer cell migration via post-transcriptional regulation of Human Antigen R (HuR).
- 2016 & 2017: MCC; invited speaker, Sweden: Neutrophil extracellular traps promote surgery trauma-induced peritoneal carcinosis of metastatic colorectal cancer via modulation of CXCR2 and αv integrin.
- 2016: World GI cancer congress, Barcelona, Poster presentation: Neutrophil extracellular traps promote surgery-induced peritoneal carcinosis of metastatic colorectal cancer via modulation of CXCR2 and αv integrin.
- 2016: Cancer therapy and molecular biomarkers, Berlin, oral presentation: MiR-155-5p positively regulates colon cancer cell migration by targeting RhoA.
- 2015: European cancer congress, Vienna, Poster presentation: MiR-155 regulates CCL17 - induced colon cancer cell migration by targeting RhoA.
- 2015: The faculty of health sciences, Islamic University of Gaza, invited lecture: Simvastatin as a potential drug against colon cancer metastasis.
- 2014& 2015: MCC; Malmö cancer center retreats, Skåne, Sweden Poster presentation.
- 2014: Cancer therapy and cancer controlling summit, London, invited speaker: HMG-COA reductase regulates CCL17-induced colon cancer cell migration via geranylgeranylation and RhoA activation.

LEADERSHIP EXPERIENCE

- 2023-date: Independent Project Leader (Principal investigator):
  Leading research projects in the cancer immunology field at the department of pathology, Lund University.
  Current projects:

1. Evaluation of Leukemia-Derived Exosomes as a prognostic and therapeutic tool for minimum Residual Disease detection in acute leukemias.
2. Therapeutic applications of microRNAs in acute leukemia.
3. Role of neutrophil-derived extracellular vesicles in premetastatic niche formation of advanced carcinomas.

- 2022-date: Supervised undergraduate and graduate student thesis projects at Lund University.
- 2022: Served as a co-investigator at the department of immunology, University of Pittsburg, USA, where I collaborate with Prof. Whiteside lab.
- 2021-2022: International Academic coach and mentor at Danwise program in Denmark: Coached and provided academic and work-related support for postdocs intended for career planning.
- 2022-date: Scientific board advisor and consultant: Serve as advisor and consultant for some biotech companies.

- 2021-date: International referee for scientific journals: Providing peer-review feedback and comments for cancer metastasis research.
- 2016-2018: Head of PhDLive mentorship program at Lund University: Mentored several PhD and master students during their research work.
- 2012-2016: Chairman at Scandinavian Yemeni Friendship Association SY-FA: Led a non-profit organization aimed at strengthening integration and humanitarian aid in Sweden.

PROFESSIONAL ACTIVITIES

Referee for Peer-Reviewed Journals:

- Review Editor with Frontiers in Cell and Developmental Biology Journal
- Reviewer in Advances in clinical and experimental medicine Journal
- Reviewer in BMC cancer Journal
- Reviewer in Frontiers Genetics Journal
- Reviewer in Journal of International Medical Research

Membership

- Future faculty member, Lund University
- Member of European Association of Hematology, EHA.

CERTIFIED COURSES

- 2023: Research supervision, Lund University.
- 2023: Perspectives on Learning, Lund University.
- 2020: Teaching Science at University, University of Zurich.
- 2019: Project management, University of California.
- 2019: Genomics technologies, Johns Hopkins University.
- 2019: Clinical Trials, Göteborg University.
- 2018: Mass spectrometry, Lund University.
- 2016: Professional Poster designs, Lund University.
- 2012: Animal lab-work license, Lund University.

INTERPERSONAL SKILLS

- Communication skills and Organizational / managerial skills.
- Independent and team player.
- Critical thinking and Problem solving.
- Motivated and team leading.
- Project management.
- Desire to learn.
- Adaptability and Creativity.
- Professional use of computer or web-based digital tools.

LUND UNIVERSITY RESEARCH PROFILE

https://portal.research.lu.se/en/persons/amr-alhaidari

LIST OF PEER-REVIWED PUBLICATIONS

• Kinjal Shah, Amr Al-Haidari, JianminSun,and Julhash U. Kazi.T cell receptor (TCR) signaling in health and disease. Nature; Signal Transduction and Targeted Therapy 2021.

• Mattias lepsenyi, Nader Al-gethami, Amr Al.Haidari, Milladur rahman, Ingvar syk, and Henrik Thorlacius. CXCL2-CXCR2 axis mediates αv integrin-dependent peritoneal metastasis of colon cancer cells. Clinical & Experimental Metastasis 2021.

• Unusual benign macrocalcification occupying most of the breast hamartoma: a case report. Amal Al-Haidary, Amr Al Haidari. Eurorad 2020.

• Anwar Al-Jaber, Amr Al-Haidari, Ingvar syk, and Henrik thorlacius. Up-regulation of microRNA-340-5p inhibits colon cancer cell migration via post-transcriptional regulation of RhoA. Scientific Reports 2020.

• Amr A. Al-Haidari, Nader Algethami, Mattias Lepsenyi, Milladur Rahman, Ingvar Sykand Henrik Thorlacius. Neutrophil extracellular traps promote peritoneal metastasis of colon cancer cells. Oncotarget 2019.

• Avin Hawez, Amr Al-Haidari, Milladur rahman, Ingvar syk, and Henrik thorlacius. MiR-155 regulates PAD4-dependent formation of neutrophil extracellular traps. Front.Immunol 2019.

• Amr Al-Haidari. Chemokines-mediated migration of colon cancer cells. PhD thesis book 2018.

• Amr Al. Haidari, Anwar Algaber, Raed Madhi, Ingvar syk, and Henrik Thorlacius. MiR-155-5p controls colon cancer cell migration by post-transcriptional regulation of Human Antigen R (HuR). Cancer letters 2018.

• Amr Al. Haidari, Ingvar syk, and Henrik Thorlacius. MiR-155-5p positively regulates colon cancer cell migration via direct targeting of RhoA. Oncotarget 2017.

• Amr Al-Haidari, Mattias lepsenyi, Nader Al-gethami, Ingvar Syk, Henrik Thorlacius.Neutrophil extracellular traps promote surgery-induced peritoneal carcinosis of metastatic colorectal cancer via modulation of CXCR2 and αv integrin. Annals of Oncology 2017.

• Amr Al.Haidari, Ingvar syk, and Henrik Thorlacius. HMG-CoA reductase regulates CCL17-induced colon cancer cell migration via geranylgeranylation and RhoA activation. Biochem and Biophiscal Res. Com 2014.

• Amr Al. Haidari, Ingvar syk, Karin Jirström, and Henrik Thorlacius. CCR4 mediates CCL17 (TARC)-induced migration of human colon cancer cells via RhoA/Rho-kinase signaling. Int.J.Col Disease 2013.

CONTRIBUTION TO KNOWLEDGE DISSEMINATION

LIST OF POPULAR BLOGS PUBLISHED IN LINKEDIN

- 2023: Implementing Project Management Knowledge in Research Projects.
- 2022: Cancer Immunotherapy FAQs from a Scientist Perspective.
- 2020: A practical guide on how to write a high-quality PhD thesis.
- 2019: How to read a research scientific paper in less than 10 minutes.
- 2018: Advancements in hormonal therapy for breast cancer.
- 2018: How tumor microenvironment shapes personalized medicine.
- 2017: How to write the most successful travel grant application.
- 2017: The five golden tips to manage your PhD dissertation.
- 2016: Cancer surgery as a potential source of metastasis.
- 2016: New novel role of MicroRNAs in cancer.