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جامعة عجمان
AJMAN UNIVERSITY

CURRICULUM VITAE

Current Position

Associate professor, Basic Medical Sciences Department, College of Medicine, Ajman University, UAE

Education

- Doctoral degree, Department of Laboratory Medicine, Karolinska Institutet, Sweden, September 2014
- Master degree, Department of Medical Biochemistry and Molecular Biology, Faculty of Medicine, Suez Canal University, Egypt, October 2007
- M.B.B. Ch, Faculty of Medicine, Suez Canal University, Egypt, February 2002

Prior Positions

- Assistant professor at Basic Medical Sciences Department, College of Medicine, Ajman University, UAE, 2022-2024
- Assistant professor at Department of Oncology-Pathology, Karolinska Institutet, Sweden, 2019 - 2021
- Postdoc fellow at Department of Oncology-Pathology, Karolinska Institutet, Sweden,2018 - 2019
- Postdoc fellow at Department of Clinical-Experimental Medicine, Linköping University, Sweden, 2017- 2018
- Lecturer at Department of Medical Biochemistry and Molecular Biology, Faculty of Medicine, Port-Said University, Egypt, 2015 - 2016
- Postdoc fellow at Department of Laboratory Medicine, Karolinska Institutet, Sweden, 2014 - 2015
- Assistant lecturer at Department of Medical Biochemistry and Molecular Biology, Faculty of Medicine, Suez Canal University, Egypt, 2008 - 2010

  Demonstrator at Department of Medical Biochemistry and Molecular Biology, Faculty of Medicine, Suez Canal University, Egypt, 2004 – 2008

Administrative experience

- College of Medicine, Ajman University, UAE, Chair of the assessment committee since 2022
- College of Medicine, Ajman University, UAE, Chair of the ACIC committee since 2022
- College of Medicine, Ajman University, UAE, Member of the curriculum committee since 2022
- College of Medicine, Ajman University, UAE, Member of the research committee since 2022
- Faculty of Medicine, Port-Said University, Egypt, Head of the scientific office for the vice dean for teaching and students 2015 - 2016
- Faculty of Medicine, Port-Said University, Egypt, General coordinator for grade one medical students 2015 - 2016
- Faculty of Medicine, Port-Said University, Egypt, Member of the superior examination board 2015 - 2016

  Faculty of Medicine, Port-Said University, Egypt, Member of the superior teaching board 2015 – 2016

Administrative Skills

- **Organizational Management:** Resource Allocation - Time Management - Strategic Planning - Multitasking
- **Communication:** Interpersonal Communication - Public Speaking - Report Writing
- **Decision-Making:** Analytical Thinking – Problem Solving - Policy Implementation - Attention to details
- **Leadership:** Team Building – Mentorship - Change Management - Confidence in Decision-Making
- **Financial Management:** Budgeting - Financial Reporting
- **Project Management:** Planning and Execution - Risk Management - Technology and Software Skills
- **Compliance and Policy Adherence:** Regulatory Compliance - Policy Development

Honors and Awards

- Certificate of Appreciation, Ajman University, UAE, 2024
- Certificate of Recognition, Ajman Municipality and Planning Department, UAE, 2023
- Declaration of Honor, the Center of Excellence in Molecular and Cellular Medicine, Faculty of Medicine, Suez Canal University, Egypt, 2018

Teaching Experience *(Last five years)*

- General Chemistry
- Basic Biochemistry
- Molecular Medicine
- Clinical Biochemistry

Supervision

- Fadwa Ben Kessou, PhD, January, 2019, Karolinska Institutet, Sweden
- Alina Moter, MSc, expected in October 2021, Goethe University, Germany
- Zhe Duan, MSc, June, 2021, Karolinska Institutet, Sweden
- David Lindskog, MSc, May, 2014, KTH royal institute of technology, Sweden
- Orlaith Loy, BSc. May 2017, Dublin Institute, Ireland
- Seán Naughton, BSc, May 2013, Dublin Institute, Ireland

Opponent and Thesis Examination Committee

- Christabel Khaemba, PhD half-time control seminar, 2020, Karolinska Institutet
- Joseph Kabatende, PhD half-time control seminar, 2020, Karolinska Institutet
- Birkneh Tadesse, PhD half-time control seminar, 2019, Karolinska Institutet
- Rachael Metrustry, BSc. Dublin Institute, 2014
- Alan Cunningham, BSc. Dublin Institute, 2013

Current Research

- Hematopoietic stem cell transplantation
- Mesothelin CAR T cell therapy for the treatment of ovarian cancer
- Personalized cancer therapy on pharmacogenomic bases

- Development of cancer mouse models
- Stem cell-based therapy as a regenerative solution for difficult-to-heal skin wounds
- Development and validation of analytical methods

Research Funding (Last five years)

- Ajman University grant 2023. "Identifying transfection enhancer excipients for non-viral vectors"
- Ajman University grant 2022. "The role of Vorinostat on skin regeneration"
- Ajman University seed grant 2022. "Graft-Versus-Host Disease post Mesothelin Directed Chimeric Antigen Receptor T Cell Therapy for Treatment of Advanced Ovarian Cancer in mice"
- Karolinska Institutet foundation (KI Fonder) 2020-01402. "Cytostatics Conditioning Prior to Mesothelin CAR T Cell Therapy for The Treatment of Advanced Ovarian Cancer"
- Svenska Läkaresällskapets (Swedish Medical Society) travel award 2019
- Radiumhemmets forskningsfonder travel award 2019

Bibliometric Parameters

- Number of published original work: 29. Total number of citations: 546 (Web of Science-Scopus), 725 (Google Scholar). The H index: 11 (Web of Science-Scopus), 15 (Google Scholar)
- https://www.ncbi.nlm.nih.gov/myncbi/1jSLr0gc7goECN/bibliography/public/
- https://scholar.google.com/citations?user=aVxt5kEAAAAJ&hl=en&oi=ao
- https://www.scopus.com/authid/detail.uri?authorId=55557095400

Selected A*/A Publications *(Last five years)*

- Cyclophosphamide Pharmacogenomic Variation in Cancer Treatment and Its Effect on Bioactivation and Pharmacokinetics.
  Ibrahim El-Serafi and Sinclair Steele
  Advances in Pharmacological and Pharmaceutical Sciences. 2024 Jun 27;2024:4862706. PMID: 38966316
- Impact of fludarabine and treosulfan on ovarian tumor cells and mesothelin chimeric antigen receptor T cells.
  Ibrahim El-Serafi, Isabella Micallef Nilsson, Alina Moter, Zhe Duan, Jonas Mattsson and Isabelle Magalhaes
  Cancer Immunology, Immunotherapy. 2024 Jul 2;73(9):163. PMID: 38954005
- miRNome and Proteome Profiling of Human Keratinocytes and Adipose Derived Stem Cells Proposed miRNA-Mediated Regulations of Epidermal Growth Factor and Interleukin 1-Alpha
  Hady Shahin, Sallam Abdallah, Jyotirmoy Das, Weihai He, **Ibrahim El-Serafi**, Ingrid Steinvall, Folke Sjöberg, Moustafa Elmasry and Ahmed T. El-Serafi
  International Journal of Molecular Science. 2023 March 4. PMID: 36902387
- Tuned activation of MSLN-CAR T cells induces superior antitumor responses in ovarian cancer models
  Esther Schoutrop*, Thomas Poiret*, **Ibrahim El-Serafi***, Ying Zhao, Rui He, Alina Moter, Johan Henriksson, Moustapha Hassan, Isabelle Magalhaes, Jonas Mattsson
  Journal for Immunotherapy of Cancer. 2023 Feb;11(2):e005691. PMID: 36746513

- Non-additive effect of the DNA methylation inhibitor, 5-Aza-dC, and glass as a culture surface on osteogenic differentiation
  Latifa Alghfeli, Divyasree Parambath, Loaa A Tag Eldeen, **Ibrahim El-Serafi**, Ahmed T El-Serafi
  Heliyon. 2022 Dec 17;8(12):e12433. PMID: 36590514
- A Systematic Review of Keratinocyte Secretions: A Regenerative Perspective
  Ahmed T El-Serafi*, **Ibrahim El-Serafi***, Ingrid Steinvall, Folke Sjöberg and Moustafa Elmasry
  International Journal of Molecular Science. 2022 July 19. PMID: 35887279
- Mesothelin-Specific CAR T Cells Target Ovarian Cancer
  Esther Schoutrop*, **Ibrahim El Serafi***, Thomas Poiret*, Ying Zhao, Okan Gultekin, Rui He, Lidia Moyano-Galceran, Joseph W Carlson, Kaisa Lehti, Moustapha Hassan, Isabelle Magalhaes and Jonas Mattsson
  Cancer Research. 2021 June 1. PMID: 33795251
- Vitamin D levels and Busulphan Kinetics in Patients Undergoing Hematopoietic Stem Cell Transplantation, a multicenter study
  Ahmed El-Serafi, Rui He, Wenyi Zheng, Fadwa Benkossou, Sandra Oerther, Ying Zhao, Karin Mellgren, Britt Gustafsson, Carsten Heilmann, Jukka Kanerva, Kourosh Lotfi, Jacek Toporski, Mikael Sundin, Martin Höglund, Jonas Mattsson, **Ibrahim El-Serafi** and Moustapha Hassan
  Bone Marrow Transplantation. 2020 October 21. PMID: 33087877
- Reduced risk of sinusoidal obstruction syndrome of the liver after Bu-Cy conditioning before allogeneic hematopoietic stem cell transplantation
  Ibrahim El-Serafi, Mats Remberger, Per Ljungman, Olle Ringdèn, Johan Törlen, Mikael Sundin, Andreas Björklund, Jacek Winiarski and Jonas Mattsson
  Clinical and Translational Science. 2020 Mar 1. 13(2): 293–300. PMID: 31675173

Book Chapters

- Nutrition, Epigenetics, and Stem Cells, Molecular Mechanisms in Nutritional Epigenetics, Epigenetics and Human Health, Volume 12, 2024
- The potentiality of histone deacetylase inhibitors for diabetes and obesity, Histone modifications in therapy, Translational Epigenetics Series, Volume 20, 2020
- Busulphan metabolic pathway and possible drug interactions, Horizons in Cancer Research. Volume 74, 2019
- Pharmacokinetics and pharmacodynamics of Seliciclib, Seliciclib – from bench to bed side, Discovery and Development. January, 2016

Conference Contributions *(Last five years)*

- Mechanisms underlying seizures and hypothermia during busulphan administration. poster presentation at the 29th congress of the European Hematology Association (EHA). 2024, June 13 16, Madrid, Spain.
- Tumor tailored lymphodepletion and CAR T-cell functionality in advanced ovarian cancer; poster presentation at 2nd Translational Research Conference Immune & Cellular Therapies: Focus on Advanced Gene-Engineered Immune Cells", organized by The European School of Hematology (ESH). 2022, September 12-14, Berlin, Germany

- Mesothelin Directed Chimeric Antigen Receptor T Cell Therapy for Treatment of Advanced Ovarian Cancer; poster presentation at The International Conference Immune and Cellular Therapies: Focus on Immune Based Therapeutic Concepts", organized by The European School of Hematology (ESH). 2019, September 20-22, Mandelieu, France.
- The Establishment of Ovarian Cancer Mouse Model for The Evaluation of MSLN CAR T-cells; oral presentation at Kick-Off 2018, Oncology-Pathology department, Karolinska Institutet. 2018, August 29th, Stockholm, Sweden.
- The effect of N-acetyl-l-cysteine (NAC) on liver toxicity and clinical outcome after hematopoietic stem cell transplantation; oral presentation at The International Hematologists Summit. 2018, May 21-22, Valencia, Spain.
- Characterization of MSLN CAR T-cells in an ovarian cancer model; poster presentation at Frontiers in Cancer Research and Therapy. 2018, March 8-9, Stockholm, Sweden.

Other Contributions and Achievements

- Member of the Swedish Medical Association (SLS) since 2016.
- Member of the European Hematology Association (EHA) since 2012.
- Plenary speaker at the Center of Excellence in Molecular and Cellular Medicine second annual conference, Faculty of Medicine, Suez Canal University. 2018, December 26-27, Ismailia, Egypt.
- Chairman at the second annual conference of medical students research projects, Faculty of Medicine, Port-Said University, April 2016, Port-Said, Egypt.
- Invited external examination, Faculty of Pharmacy, Suez Canal University, Egypt, 2015 and 2016.
- Invited speaker at the 17th congress of the European Hematology Association (EHA). 2012, June 14-18, Amsterdam, Netherlands.