

NAME: Kholoud Alwosaibai

Mobile: +966-550-777-132

E-mail: kh20978@gmail.com

Objective

To have a challenging career in the medical, educational or research sectors that meets or exceeds my qualifications.

Education:

- **Post-Graduate certificate programs:**
 - Clinical Bioinformatics, Genetics and Next Generation sequencing
 - The University of Manchester, school of Health Sciences August2020-september 2021
 - Cancer Research Program, Cancer OMICS and Cancer Immunotherapy
 - Harvard Medical College, Boston, USA, August 2018-October 2019.
- **Postdoctoral fellow:**
 - Immuno-oncology research of checkpoint inhibitors in breast and ovarian cancer.
 - Pre-clinical study of Generating T cells for viral infections after allogeneic hematopoietic stem cell transplant.
 - Executive Research Administration, King Fahad Specialist Hospital, KSA. July 2016-July2017.
- **Postdoctoral fellow professional Training:**
 - Adoptive Immunotherapy for the treatment of viral infections.
 - Gene and cell therapy Center, George Papanikolaou Hospital, Greece, in collaboration with Baylor college of Medicine, Houston, September 2017.
 - Engineering with CRISPER, TALENs, & ZFNs.
 - National Institutes of Health (NIH), Bethesda, USA, February 2017.
 - CART –Cell, Principles & Methods
 - National Institutes of Health (NIH), Bethesda, USA, February 2017.
- **PhD Degree in Cellular and Molecular Medicine.**
 - **(Gynecologic Oncology)**, Ottawa Hospital Research Institute, Cancer Therapeutic Centre, University of Ottawa, Canada, 2016.
 - **Regenerative medicine**, Toronto University, 2012.
- **High Diploma in Clinical Research.**
 - Institute of clinical Research, UK, 2009.
- **Master's Degree in Medical Biotechnology (Molecular Medicine).**
 - Aljawhara Center for Molecular medicine, Arabian Gulf University, Bahrain, 2005.
- **High Diploma Degree in Medical Biotechnology.**
 - Arabian Gulf University, Bahrain, June, 2003.

- **Bachelor's Degree with Honors in Biology.**
 - College of Science, Dammam University, Saudi Arabia, May 2000.

Work Experience

- Position: **Scientist, Immune-Oncology, July 2018-until now at KFSH-D**
- Position: **Head, research collaboration department May 2018-until now at KFSH-D**
- Position: **Deputy Head, Science and technology Unit. March 2017-until now at KFSH-D**
- Position: **Post-Doctoral fellow in immuo-oncology research , july2016- July2018**
- Position: **Research Specialist November 2007- March 2010**
- Position: **Manger and Lecturer, Almana College and Health Institute, Alkhobar, Saudi Arabia, October 2005-November to 2007**

Lab Techniques:

- ✓ Cell culture and expansion (epithelial cells, Cancer cells, stem cells & T cell)
- ✓ T cell isolation, expansion and stimulation.
- ✓ Stem cell differentiation.
- ✓ Stem Cell characterization and genotyping.
- ✓ Genomic DNA expression using PCR.
- ✓ RNA expression using qPCR.
- ✓ Protein expression using Western Blot.
- ✓ Antigen-specific T cell using Elispot
- ✓ Cytokines detection and measurement using Elisa, and Bioplex
- ✓ Protein detection and quantification using Immunohistochemistry.
- ✓ Protein detection using Immunoflourcence.
- ✓ Sorting cells using microbeads (MACS).
- ✓ Cell analysis and sorting using Flowcytometry.
- ✓ Cell imaging using confocal Microscopy.
- ✓ Chimeric antigen Receptor (CAR-T)
- ✓ Crisper Cas-9
- ✓ Dealing with Animal Model

Professional and Academic Courses:

- ✓ Cell Therapy Course: Gorge Washington University 2018
- ✓ Flow cytometry training course, University of Ottawa, 2015.
- ✓ Pathology and Disease, University of Ottawa, 2011
- ✓ Cancer biology, University of Ottawa, 2011
- ✓ Regenerative Medicine and stem cell, University of Toronto, 2011-2012
- ✓ Annual Research health and safety, Ottawa Hospital Research Institute (OHRI) from 2010, 2011, 2012, 2013, 2014, 2015
- ✓ Admission proficiency level of English Intensive Program at University of Ottawa, March 2010.

WORKSHOPS & CONFERANCES:

- Chairman, National Conference for health Research, Dammam, April 2018
- Attending AACR International Cancer Immunotherapy Conference: Translating Science into Survival, September 2017, Frankfurt Germany
- Attending 9th Annual Meeting on International Society for Stem Cell Research (ISSCR), 2011, Toronto, Canada.
- Attending the 3rd Scientific Conference for HH Princess Al Jawhara Center for Molecular Medicine, Genetics and Inherited Diseases, February 8th – 9th 2005, Arabian Gulf University, Bahrain.
- Hands on training in "GENE CLONING AND DNA ANALYSIS" Workshop held in the Biotechnology Program, College of Graduate Studies October 4th –8th 2003, Arabian Gulf University, Bahrain.

Awards

- Received a letter of appreciation and prize from Saudi Arabian Cultural Bureau in Ottawa for an excellent performance during my PhD.

PROFESSIONAL SOCIETIES & ORGANIZATIONS

- Member, in American association of Cancer Research (AACR)
- Member, Society for Immunotherapy of Cancer (SITC)
- Member, American Association of Blood Bank (AABB)
- Member, American Society for Clinical Pathology (ASCP)
- Member, Association for Molecular Pathology (AMP)

Publications:

- Lobna Faiz Gharaibeh, Nirmeen Elmadany, **Kholoud Alwosaibai** and Walhan Alshaer **“Notch 1 in cancer therapy: possible clinical implications and challenges.** Molecular Pharmacology September 10, 2020, MOLPHARM-MR-2020-000006; DOI: <https://doi.org/10.1124/molpharm.120.000006>
- **Kholoud Alwosaibai**, Ensaf Munawer Al-Hujaily, Salmah Alamri, Kenneth Garson, Barbara C. Vanderhyden **“PAX2 Induces Tubular-Like Structures in Normal and Ovarian Cancer Cells”** doi: <https://doi.org/10.1101/2020.01.14.906438>
- **Kholoud Alwosaibai**, Salmah Alamri and Miral Meshhour **“PDL-1 is highly expressed in ovarian germ cell tumor and associated with cancer stem cells population expressing CD44”**, *SITC*, 2019
- **Kholoud Alwosaibai**, Ensaf M. Al-Hujaily and Barbara C. Vanderhyden **“PAX2 induces vasculogenic mimicry in ovarian cancer cells”** *AACR*, 2018.
- **Kholoud Alwosaibai**, Atefeh Abedini, Ensaf M. Al-Hujaily, Yong Tang, Kenneth Garson, Olga Collins and Barbara C. Vanderhyden **“PAX2 maintains the differentiation of oviductal epithelium and inhibits the transition to a stem cell-like state”** *Oncotarget*, 2017.
- Kholoud Alwosaibai, and Barbara C. Vanderhyden **“Role of PAX2 in Stem cell differentiation**, annual conference on translational Medicine and Oncologists meeting, November 2016, San Francisco, USA.

- Kholoud Alwosaibai, and Barbara C. Vanderhyden **“Loss of P53 induces EMT associated with stem cell properties in mouse oviductal epithelial cells”**. Manuscript to be published in PLOS One .
- Ensaf M. Al-Hujaily, **Kholoud Alwosaibai** and Barbara C. Vanderhyden **“PAX2 is a novel inhibitor for TGFβ-induced EMT”** submitted for publication.
- Kholoud Alwosaibai, Yong Tang, Olga Collins and Barbara C. Vanderhyden **Characterization of fallopian tube stem cells**, 7th Ovarian Conference on Ovarian Cancer Research, 2014, Victoria, Canada

Personal Skills

- Well- developed interpersonal skills and ability to communicate effectively with groups and individual both professionally and socially.
- Highly motivated and self-discipline.
- Well -developed organizational skills and ability to co-ordinate and prioritize activities effectively.
- Reliable, punctual, honest, flexible, willing to learn and take responsibilities.
- Able to pick up new concepts, ideas and systems quickly.
- Very good command of spoken and written English
- Have good Personal Computer Skills.

REFERENCES

- Dr. Barbara Vanderhyden
bvanderhyden@ohri.ca
- Dr. Ken Garson
kgarson@ohri.ca
- Dr. Ensaf Alhujeli
ealhejaily@gmail.com