

Curriculum Vitae

Noor Hashim Ismail

Mustansiriyah University – Iraqi Center for Cancer and Medical Genetics Research -----

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PERSONAL SUMMARY:

A lecturer at Cancer Research Department - Iraqi Center for Cancer and Medical Genetics Research. - Mustansiriyah University. My research interest is studying chromosomal abnormalities, genetic alterations and epigenetic changes, in particular DNA methylation, that can be exploited clinically as biomarkers for cancer detection, diagnosis and prognosis. Such functional alterations may represent candidates for targeted therapeutic approaches.

EDUCATION:

- **Ph.D.** in Genetic Engineering and Biotechnology from Institute of Genetic Engineering and Biotechnology- Baghdad University (2023). **Dissertation title** :The Association of *TET2* Polymorphism, Methylation and Gene Expression of *HOXA4* and *HOXA5* with Imatinib Resistance in Chronic Myeloid Leukemia Patients
- **M.Sc.** in Genetics from college of Science for Women –Baghdad University (2010). **Thesis title**: A Cytogenetic Study on Patients with Acute and Chronic Leukemia.
- **B.Sc.** in Biology from college of Science –Baghdad University (2000).

ACADEMIC /TEACHING EXPERIENCE:

- Department of anatomy -College of Medicine / Mustansiriyah University.
- Department of Molecular and Medical Biotechnology- College of Biotechnology- Al-Nahrain University
- Department of Microbiology -College of Medicine / Mustansiriyah University.

COURSES TAUGHT:

Undergraduate	Graduate
Cytogenetic , Biology , Histology	-

PROFESSIONAL AFFILIATIONS:

- Researcher at Cancer Research Department - Iraqi Center for Cancer and Medical Genetics Research. - Mustansiriyah University-Baghdad-Iraq (2002-2010).
- MSC. Student at college of Science for Women –Baghdad University (2006-2010).
- Asst. lecturer at Cancer Research department - Iraqi Center for Cancer and Medical Genetics Research. - Mustansiriyah University-Baghdad-Iraq (2011-2016).
- Vice-Chairman of Cancer Research Department- Iraqi Center for Cancer and Medical Genetics Research. - Mustansiriyah University-Baghdad-Iraq (2011-2019).
- Lecturer, Cancer Research department - Iraqi Center for Cancer and Medical Genetics Research. - Mustansiriyah University-Baghdad-Iraq. 2016-present.
- PhD. Student at from Institute of Genetic Engineering and Biotechnology.
- Member in Cytogenetic Committee, Iraqi Center for Cancer and Medical Genetics Research. - Mustansiriyah University-Baghdad-Iraq (2010-present).

PUBLICATIONS:

1. **Noor Hashim Ismail**, Nada Abed Al-Majeed Al-Ansari and Nahi Yousif Yaseen (2012). Acute Lymphoblastic Leukemia with a novel dic (11;11) (q24;q24) : A case report. *Iraqi Journal of Cancer and Medical Genetics*, 5(2): Pages 153-156.
4. **Noor Hashim Ismail**, Nahi Yousif Yaseen and Nada Abed Al-Majeed Al-Ansari (2012). Isochromosome 6(p) is a rare chromosomal aberration in Acute Lymphoblastic Leukemia: A case report. *Iraqi Journal of Cancer and Medical Genetics*, 5(2): Pages: 157-160.
5. **Noor H. Ismail**, Thaeer J. Kadem, Wassan A. Bakir, Ayeda M. Majeed and Dina W. Abed (2013). Expression of matrix metalloproteinase -2 in Breast cancer. *Iraqi Journal of Cancer and Medical Genetics*, 6(1): Pages: 38-42.
6. Wasan A. Bakir, **Noor H. Ismail**, Ekram A. Hassan, Ayeda M. Majeed and Dina W. Abd (2013). Prevalence of matrix metalloproteinase (MMP-9) in urinary bladder cancer. *Iraqi Journal of Cancer and Medical Genetics*, 6(1): 43-48.
7. **Noor H. Ismail**, Wassan A. Bakir, Ekram A. Hassan, Hayder A. Hasoon and Zena Z. Saeed (2014). The role of matrix metalloproteinase -2 in bladder cancer. *Iraqi Journal of Biotechnology*, 13(1): 22-29.
8. Wasan Abdulillah Bakir, **Noor Hashim Ismail**, Ayser Hameed Latif, Dina Wael Abd and Zena Zaki Saied (2014). Cytotoxicity-Associated gene (CagA) Producing *Helicobacter pylori* Increased Risk of Developing Colorectal Carcinoma in Iraqi Patients. *Al Mustansiriyah Journal for Pharmaceutical Sciences*, 14(1): 143-149.
9. **Noor H. Ismail**, Asmaa A. Ahmed, Amal M. Ali, Nahi Y. Yaseen, Ayeda M. Majeed, Dina W. Abed (2014). Triple X syndrome and various abnormality of 3q in Iraqi women: a case report. *Iraqi Journal of Cancer and Medical Genetics*, 7(1):11-15.
10. Wasan A. Bakir, Zainab F. Ashoor, **Noor H. Ismail** and Ayda M. Majeed (2014). Prevalence of Matrix metalloproteinase-9 in Breast Cancer As a Marker of Prognosis. *Iraqi Journal of Biotechnology*, 13(2-2): Pages 266-272.
11. Asma A. Ahmed, Nadia T. Barakat, Amal M. Ali, **Noor H. Ismail** and Nahi Y. Yaseen, Noor Thaer and Fatimah A. Muttlak (2014). Brain Atrophy in Iraqi Children Associated with Chromosome 6 Abnormality. *Al-Nahrain Journal of Science*, 17 (4):180-185.
12. Asma A. Al Mukhtar, Amal M. Ali, **Noor H. Ismail**, Nahi Y. Yassen, Shayma Abd-alrahman, Zainab Saad, Ahmed Mahdi (2014). Multi-autosomal chromosome aberrations role in primary amenorrhea. *Iraqi Journal of Cancer and Medical Genetics*, 7(1):44-48.
13. **Noor H. Ismail**, Ahmed M. Al-Shammeri, Ayser H. Latif, Ayeda M. Majeed and Dina W. Abed (2015). Detection of Human Papilloma Virus type 6 and type 11 in women with Breast Cancer by in situ hybridization technique. *Journal of the Faculty of Medicine*, 57(1): 59-63.
14. **Noor H. Ismail**, Alaa N. Mahammed Ali, Nahi Y. Yassen, Ayeda M. Majeed and Dina W. Abed (2016). A cytogenetic study on workers in leather tanning industry. *Iraqi Journal of Cancer and Medical Genetics*, 9(1):96-101.
15. Wasan A. Bakir, Nahi Y. Yaseen, **Noor H. Ismail**, Dina W. Abd and Haidar A. Hasson (2016). Metalloproteinase-7 (MMP-7) and their clinical relevance in urinary bladder cancer. *Iraqi Journal of Cancer and Medical Genetics*, 9(1):57-61.
16. Wasan Abdulillah Bakir, Ayser Hameed Latif, **Noor Hashim Ismail** and Ayeda M. Majeed (2016). Detection and clinical correlation of MMP-7 in breast cancer. *Iraqi Medical Journal*, 62(2):176-181.
17. **Noor Hashim Ismail** (2016). mRNA in situ Hybridization Analysis of Vascular Endothelial Growth Factor and Matrix Metalloproteinase-1 in Colorectal Cancer. *Al-mutansiriyah journal for pharmaceutical sciences*, 16(2):62-69.
18. Zaynab Saad, Najim Al-Kalidy, Maeda Hussain Mohammad and **Noor Hashim Ismail** (2021). Demographic and Clinicohistological Profiles of Women Diagnosed with Breast Cancer at Al-Elwiya Maternity Teaching Hospital / Baghdad: A Retrospective Study. *Indian Journal of Forensic Medicine & Toxicology*, 15 (1):1991-1998.
19. **Noor Hashim Ismail**, Ismail Abdulridha Abdulhassan, Abdul Hussein Moyet Al-Faisal and Bassam Francis Matti (2023). Evaluation of HOXA5 methylation-gene expression in response to Imatinib mesylate treatment in chronic myeloid leukemia. *Biomedicine*, 43(1): 391-398.
20. **Noor H. Ismail**, Abdul Hussein M. Al-Faisal, Ismail A. Abdulhassan (2023). Association of HOXA4 Gene Expression and Methylation with Response to Treatment in Iraqi Chronic Myeloid Leukemia Patients. *Iraqi Journal of Biotechnology*, 22(1): 72-83.

السيرة الذاتية

نور هاشم اسماعيل

الجامعة المستنصرية – المركز العراقي لبحوث السرطان والوراثة الطبية

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ملخص تعريفى:

- تدريسية في قسم بحوث السرطان – المركز العراقي لبحوث السرطان و الوراثة الطبية – الجامعة المستنصرية - بغداد – العراق. اهتمامي البحثي هو دراسة الاختلالات الكروموسومية، التغيرات الجينية واللاجينية ، خاصة مثيلة الحامض النووي الدنا، التي يمكن استغلالها سريريا كمؤشرات حيوية للكشف عن السرطان وتشخيصه والتنبؤ به. وقد تمثل هذه التغيرات الوظيفية مرشحات لاساليب العلاجية المستهدفة.

الشهادات الدراسية:

- دكتوراه في الهندسة الوراثية والتقنيات الاحيائية من معهد الهندسة الوراثية والتقنيات الاحيائية للدراسات العليا – جامعة بغداد (٢٠٢٣).
عنوان الاطروحة : العلاقة بين تعدد الطرز الوراثية لجين *TET2* ، المثيلة والتعبير الجيني للجينات *HOXA4* و *HOXA5* مع المقاومة لعلاج الايماتينب في مرضى ابيضاض الدم النخاعي المزمن.
- ماجستير في علوم الحياة / علم الوراثة من كلية العلوم للبنات – جامعة بغداد (٢٠١٠). عنوان الرسالة : دراسة وراثية خلوية لمرضى ابيضاض الدم الحاد والمزمن.
- بكالوريوس في علوم الحياة من كلية العلوم - جامعة بغداد (٢٠٠٠).

الخبرة الأكاديمية والتدريس:

- فرع التشريح – كلية الطب – الجامعة المستنصرية
- قسم التقنيات الحيوية الجزيئية و الطبية – كلية التقنيات الاحيائية – جامعة النهريين.
- فرع الاحياء المجهرية – كلية الطب – الجامعة المستنصرية

المقررات الدراسية التي تم تدريسها:

الدراسات العليا	الدراسات الأولية
-	الوراثة الخلوية – علم الاحياء- علم الانسجة

الأنساب المهني او الجمعيات:

- باحثة في قسم بحوث السرطان – المركز العراقي لبحوث السرطان و الوراثة الطبية – الجامعة المستنصرية- بغداد -العراق (٢٠٠٢-٢٠١٠).
- طالبة ماجستير في كلية العلوم للبنات – جامعة بغداد- (٢٠٠٦-٢٠١٠).
- مدرس مساعد في قسم بحوث السرطان – المركز العراقي لبحوث السرطان و الوراثة الطبية – الجامعة المستنصرية (٢٠١١-٢٠١٦).
- مقرر قسم بحوث السرطان – المركز العراقي لبحوث السرطان و الوراثة الطبية – الجامعة المستنصرية- بغداد –العراق (٢٠١١-٢٠١٩).
- مدرس في قسم بحوث السرطان – المركز العراقي لبحوث السرطان و الوراثة الطبية – الجامعة المستنصرية (٢٠١٦- الى الوقت الحاضر).
- طالبة دكتوراه في معهد الهندسة الوراثية والتقنيات الاحيائية للدراسات العليا – جامعة بغداد (٢٠١٩-٢٠٢٣).
- عضو لجنة الوراثة الخلوية في المركز العراقي لبحوث السرطان و الوراثة الطبية – الجامعة المستنصرية (٢٠١٠- الى الوقت الحاضر).

1. **Noor Hashim Ismail**, Nada Abed Al-Majeed Al-Ansari and Nahi Yousif Yaseen (2012). Acute Lymphoblastic Leukemia with a novel dic (11;11) (q24;q24) : A case report. *Iraqi Journal of Cancer and Medical Genetics*, 5(2): Pages 153-156.
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