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**Dr. Hesham M. Hassan**

**MBBCH, MD, PhD**

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**Campus Address:** Pathology department, Faculty of medicine, Assiut University, Assiut, Egypt, 71111

**Born:** February 25, 1976, Kena city, Egypt

**Marital Status:** Married.

**Qualifications and Education:**

* 2014: PhD from University of Nebraska Medical Center, MSIA program, Pathology and Microbiology Department, Omaha, NE, USA.
* 2004: Master of Pathology from Faculty of Medicine, Assiut University, Assiut, Egypt.
* 2000-2001: internship at Assiut University Hospital.
* 1999: Bachelor of medicine (MBBCH) from Faculty of Medicine, Assiut University, Assiut, Egypt.

3. POSTS HELD

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| From-To |  **Academic Institutions** |
| 2014 - Present | Lecturer, Pathology Department, Faculty Of Medicine, and Pathologist at the Surgical Pathology Laboratory and Immunohistochemistry laboratory of Assiut University Hospital, Assiut University, Assiut, Egypt. |
| 2009 - 2014 | PhD Student at the Pathology and Microbiology Department, MSIA program, Faculty of Medicine, University of Nebraska Medical Center, Omaha, Nebraska, USA.  |
| 2004 – 2009 | Assistant lecturer, Pathology Department, Faculty of Medicine, and junior pathologist at the Surgical Pathology Laboratory and Immunohistochemical laboratory of Assiut University Hospital, Assiut University, Assiut, Egypt. |
| 2001-2004 | Demonstrator of Pathology, Pathology Department, Faculty of Medicine,.and pathologist under training in the surgical pathology and immunohistochemistry laboratories of Assiut University Hospital. Assiut University, Assiut, Egypt |
| 2000-2001 | Internship (House Officer), Assiut University Hospitals, Assiut University, Egypt. |

Pathology PRACTICE

2014- Present Pathologist at the surgical pathology and immunohistochemistry laboratories of Assiut University Hospital. The surgical pathology laboratory of Assiut University is the main pathology laboratory in South Egypt, receives annually 3000 pathology specimens and about 500 cytology samples on average.

2004-2009 Pathologist at the surgical pathology and immunohistochemistry laboratories of Assiut University Hospital.

2001-2004 Pathology training at the surgical pathology and immunohistochemistry laboratories of Assiut University Hospital.

Laboratory improvement experience

After return from USA to Egypt in 2014, participate as a member in a committee for laboratory improvement project to obtain international accreditation of the surgical pathology of Assiut University Hospital. We started implementing the ISO 15189 standards and following the CAP 15189. In 2015, the Laboratory awarded a grant to seek accreditation from the College of American Pathologists (CAP).

Teaching experience

2001-2009 Teaching practical pathology course for Medical and clinical pharmacy students.

2014- Present Participate in teaching pathology classes for Medical, pharmacy, and dental students.

Honors/Awards and funding:

* 2009- 2013 Study abroad scholarship for PhD study in Molecular Pathology; awarded from Assiut University and the Egyptian Ministry of High Education.
* 2012-2014 UNMC Fellowship awarded from the University of Nebraska Medical Center, Omaha, Nebraska, USA.
* 2012-2014 Widaman Fellowship awarded from the University of Nebraska Medical Center, Omaha, Nebraska, USA.
* 2012-2014 Regent Tuition Fellowship awarded from the University of Nebraska Medical Center, Omaha, Nebraska, USA.

**Research presentations and proceedings:**

* **Hesham M. Hassan**, Michelle L. Varney, Smrati Jain, Shantaram S. Joshi, Dennis D. Weisenburger, Rakesh K. Singh, Bhavana J. Dave. Poster presentation: “Differential p73 isoform expression in Non-Hodgkin's lymphoma with 1p36 chromosomal abnormality modulates aggressiveness and angiogenic phenotype”. Midwest Student Biomedical Research Forum, February 17, 2011. Poster presentation. **Hesham M. Hassan**, Michelle L. Varney, Smrati Jain, Dennis D. Weisenburger, Rakesh K. Singh, Bhavana J. Dave. “Disruption of chromosomal locus 1p36 differentially modulates TAp73 and ΔNp73 expression and aggressiveness in non-Hodgkin’s Lymphoma”. *Presented at the 102nd Annual meeting of the American Association for Cancer Research, April 2-6, 2011, Orlando, Florida.*
* **Hesham M. Hassan**, Michelle L. Varney, Smrati Jain, Shantaram S. Joshi, Rakesh K. Singh, Bhavana J. Dave. “Differential p73 isoform expression profile in non-Hodgkin's lymphoma with 1p36 chromosomal abnormality modulates angiogenic phenotype” *Presented at the 102nd annual meeting of the American Association for Cancer Research, April 2-6, 2011, Orlando, Florida.*
* **Hesham M. Hassan**, Michelle L. Varney, Smati Jain, Shantaram S. Joshi, Rakesh K. Singh, Bhavana J. Dave. “Cox-2 inhibition modulates p73 isoform expression pattern, inhibition of proliferation, and attenuates chemotherapy resistance in NHL cells with 1p36 chromosomal disruption. *Proc 43rd Midwest Student Biomedical Research Forum, P-21, February, 2012.*
* **Hesham M. Hassan**, Michelle L. Varney, Smati Jain, Shantaram S. Joshi, Rakesh K. Singh, Bhavana J. Dave. “Modulation of p73 isoform expression regulates aggressive behavior in NHL cell line model with 1p36 chromosomal disruption” *Presented at the 103nd Annual meeting of the American Association for Cancer Research, April, 2012 Chicago, IL.*
* **Hesham M. Hassan**, Michelle L. Varney, Rakesh K. Singh, Bhavana J. Dave. Poster presentation: “Expression of p73 isoforms regulates proliferation and chemotherapeutic response in diffuse large B-cell lymphoma”. *To be presented at the Annual meeting of the American Association for Cancer Research, April, 2014 San Diego, CA.*
* **Hesham M. Hassan**, Michelle L. Varney, Nagendra K. Chaturvedi, Shantaram S. Joshi, Rakesh K. Singh, Bhavana J. Dave. “Diclofenac induces apoptosis and suppresses mantle cell lymphoma proliferation independent of p53 status. *Proc 45th Midwest Student Biomedical Research Forum, P-16, March, 2014.*
1. **Oral presentations:**
* Pathology and Microbiology graduate student research seminar series, “The molecular consequences of 1p36 chromosomal abnormality in NHL: Unraveling a mystery” 03-2011.
* Pathology and Microbiology graduate student research seminar series, “1p36 chromosomal locus, TP73 gene, and COX inhibitors in non-Hodgkin lymphoma from bed-side to bench-side and back with a fruit!?” 04-2012.
* Pathology and Microbiology graduate student research seminar series, “Differential Modulation of p73 isoforms regulates survival, apoptosis, and chemosensitivity of diffuse large B-cell lymphoma cells” 02-2013.
* Pathology and Microbiology graduate student research seminar series, “Differential Modulation of p73 isoforms regulates survival, apoptosis, and chemosensitivity of diffuse large B-cell lymphoma cells” 02-2013.
* Pathology and Microbiology graduate student research seminar series, “Diclofenac augments p73 activity and induces apoptosis of Mantle cell lymphoma independent of p53 status” 12-2013.

**Publications:**

* **Hesham M. Hassan**, Michelle L. Varney, Smrati Jain, Shantaram S. Joshi, Dennis D. Weisenburger, Rakesh K. Singh, Bhavana J. Dave. “Disruption of chromosomal locus 1p36 differentially modulates TAp73 and ∆Np73 in follicular lymphoma”. *Leukemia & Lymphoma, 2014 (Epub ahead of print).*
* **Hesham M. Hassan**, Bhavana J. Dave and Rakesh K. Singh. “*TP73*, an under-appreciated player in Non Hodgkin Lymphoma Pathogenesis and Management”. *Current Molecular Medicine*. 2014 May; 14(4):432-9.
* Mohammad-Saeid Jami, Jinxuan Hou, Miao Liu, Michelle L. Varney, **Hesham M. Hassan**, Jixin Dong, Liying Geng, Jing Wang, Fang Yu, Hong peng, Kai Fu, Yan Li, Rakesh K. Singh, Shi-Jian Ding. “Functional proteomic analysis reveals the involvement of KIIAA1199 in breast cancer growth, motility and invasiveness”. *BMC Cancer, 2014 Mars 15;14:194.*

**Grant experience:**

* Submitting UNMC graduate fellowship application that was awarded the second place in UNMC fellowship competition.
* NIH –style grant submitted as a part of the comprehensive examination that was successfully completed in 2012.

**Research skills/techniques:** Immunohistochemistry, Immunofluorescence, RT-PCR, Real-Time quantitative PCR, Touch-down PCR, transient and stable transfection of Mammalian cells with mammalian expression vectors, 3H-thymidine incorporation assay, Flow cytometry, cell cycle analysis, and Annexin-V-FLUOS staining for detection of apoptosis.

**Information technology skills:** Microsoft Office: Word, Power point, Excel, NCBI: Blast, Pubmed, Primer 3 software (for designing PCR primers), and introductory workshop on bioinformatics in fall 2011.

I have been working throughout my PhD study in cancer research field. Basic knowledge that I have obtained in the classes the first two years constructed a solid scientific base enabling reasonable understanding of the fundamentals of biomedical research. Then, through the evolution of the dissertation project, I learned to find the gaps of knowledge where research needed to build up the knowledge necessary to achieve goals (e.g. improving the response of cancer patients to treatment). Generation of a testable hypothesis, formulating specific aims, and experimental strategy to test the hypothesis, were precious lessons that I had throughout the course of PhD study. Furthermore, experimental troubleshooting, dealing with pitfalls, unexpected results, and finding alternative strategies to test the specific aims, and collaborating with other laboratories, was a valuable experience. Finally, writing manuscripts for publication and grant proposals was a very rich experience. Utilizing all the knowledge and experience in my PhD, I am planning on continuing research as part of my career side by side with graduate and post-graduate teaching clinical practice as a pathologist.