

# ASHRAF IBRAHIM KHASAWNEH

## PERSONAL INFORMATION

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- ▶ **Marital status:** Married
- ▶ **Nationality:** Jordanian
- ▶ **Date and Place of Birth:** 9<sup>th</sup> Dec. 1978, Irbid-Jordan

## OBJECTIVE

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Seeking a career to share my knowledge and experience with students and gain more experience into the education and teaching field. Also, to pursue my Virology research career in a growth oriented and highly professional work environment. As long term goal, I would like to establish a career in medical research and make significant contributions to the field.

## EDUCATION

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- ▶ **PhD. in Microbiology** (March 2012)  
Monash University, Clayton, Victoria, AUSTRALIA
  - Thesis title “**Studies on the activation mechanism of the HIV-1 membrane fusion glycoprotein, gp41** ”
  - Awarded PhD. Scholarship from Jordanian Ministry of Education.
- ▶ **MSc. In Biomedical Science Part 1** (December 2007)  
Monash University, Clayton, Victoria, AUSTRALIA
  - Thesis title “**Recombinant Baculovirus and Thymidine kinase Ganciclovir system: role in hepatitis C vaccine generation** ”
- ▶ **Bachelor of Medicine and Surgery** (June 2002)  
Jordan University of Science and Technology, Irbid, JORDAN

## EXPERIENCES

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- ▶ **Lecturer** (June 2012 – current)  
Biomedical sciences Dept., School of Medicine, Hashemite University, Al Zarqa, JORDAN
  - Teaching Medical Virology course to Medical and Medical Laboratory students
  - Teaching Medical Microbiology to Medical, Nursing and Pharmacy students

- Teaching Immunology to Science, Biotechnology and Pharmacy students

► **Part-time Lecturer** (September 2013 – current)

Pathology, Microbiology and Forensic Medicine Dept., School of Medicine, University of Jordan, Amman, JORDAN

- Teaching Medical Virology course to Medical students

► **Immunology Demonstrator** (March – June 2010)

Microbiology and Immunology Dept., School of Medicine, Monash University, Clayton, Victoria, AUSTRALIA

► **MBBS Clinical skills tutor** (March – June 2009)

School of Medicine, Monash University, Clayton, Victoria, AUSTRALIA

► **PCL Facilitator** (July – October 2008)

School of Medicine, Monash University, Clayton, Victoria, AUSTRALIA

► **Ophthalmology Resident** (November 2006 – March 2007)

Ophthalmology Dept., Al Bashir Hospital, Ministry of Health, Amman, JORDAN

► **General Physician** (September 2004 – November 2006)

Pediatric Emergency Dept., Al Mafraq Pediatric Hospital, Ministry of Health, Al Mafraq, JORDAN

► **General Physician** (July 2003 – September 2004)

Emergency Dept., Ibn-Al Nafis Private Hospital, Irbid, JORDAN

► **Medical Internship** (July 2002 – June 2003)

Princess Basma Teaching Hospital, Ministry of Health, Irbid, JORDAN

## LABORATORY SKILLS

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► **Molecular Biology**

Gene cloning and expression methods, site-directed mutagenesis, DNA and RNA isolation, various PCR and RT-PCR methods, Sequencing PCR, Gel Electrophoresis, RFLP, Transformation, Transfection, SDS-PAGE, Immunoblotting (ECL & Odyssey methods), ELISA, Luciferase assays, serum neutralisation assays, immunofluorescent staining, Confocal Microscopy and Flow Cytometry techniques.

► **General Cell Culture**

Worked with 293T, Vero, and Hela cell lines and know methods of generating stable cell lines expressing desired genes

► **BSL-3**

Experienced in virology techniques including virus production, propagation, and purification; virus neutralization; virus detection by PCR and immunoassays

► **Handling of experimental animals (Mice)**

Intraperitoneal DNA vaccine administration, Handling mice.

## **COMPUTER SKILLS**

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Sequence analysis and expertise with Vector NTI Advanced, DNA Strider and Sequencher

Computational modeling, including basic knowledge of PyMOL for production of High quality 3D images of proteins

Excellent knowledge of Microsoft Windows OS, Microsoft Office (Word, Excel and PowerPoint), EndNote X5, and Basic knowledge of Macintosh OS

Basic knowledge with databases, web-based resources such as NCBI

## **RESEARCH SKILLS**

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Designing, planning and executing research experiments

Preparation of papers for publication in scientific journals or for presentation in national or international congresses

Positive teamwork relationship with research assistants

Motivation for self-improvement by participating in training and education programs including seminars, meetings and conferences

## **GRANTS**

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Prevalence and Genotype Distribution of Human Papillomavirus in Amman, Jordan. Project funded by Hashemite University (May 2016-November 2017). 18,249 JD.

HPV association with Head and Neck Cancer in Jordanian patients. Project funded by Hashemite University (May 2016-May 2017). 26,309 JD.

Woman's Knowledge about Human Papillomavirus and its relation to cervical cancer and their approval of its vaccine: A case study for the Jordanian population. Project funded by Hashemite University (Januray 2017- December 2017). 7,500 JD

## CONFERENCES AND PULICATIONS

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- Prevalence and Genotype Distribution of Human Papillomavirus in Amman, Jordan

Oral presentation in the World congress on Virology, Microbiology and Microbiologists, 19-20 November 2018, Orlando, USA.

- Conformational States of HIV-1 gp41 Revealed by Cysteine Scanning Mutagenesis

Oral presentation in the **IUMS Conference**, 17-21 July 2017, Singapore.

- Role of Thymidine Kinase Ganciclovir system in hepatitis C vaccine generation.

Oral presentation in the **ACH Conference**, 14-17 May 2007, Melbourne, Australia.

- Forced evolution reveals functional crosstalk between the disulfide bonded region (DSR) and membrane proximal ectodomain region (MPER) of HIV-1 gp41.

**Ashraf I Khasawneh**<sup>1,2,4</sup>, Annemarie Laumaea<sup>1</sup>, David N Harrison<sup>1</sup>, Anna K Bellamy-McIntyre<sup>1,2</sup>, Heidi E Drummer<sup>1,2,3</sup> and Pantelis Poubourios<sup>1,2</sup>

1) Virus Fusion Laboratory, Burnet Institute, Prahran, VIC 3004, Australia.

2) Department of Microbiology, Monash University, Clayton, VIC 3168, Australia.

3) Department of Microbiology and Immunology, The University of Melbourne, Melbourne, VIC 3010, Australia.

4) Department of Basic medical Sciences, Faculty of Medicine, The Hashemite University, Zarqa 13115, Jordan.

Published at "**Retrovirology**", 2013 Apr 23; 10:44.

## INTERESTS

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- ▶ Epidemiological studies of HPV prevalence in females and in oropharyngeal cancer patients in Jordan.
- ▶ Analysis of viral RNA replication and important factors in virus morphogenesis
- ▶ Evaluation of expressed protein on the surface of virus infected cells
- ▶ Usage of reverse genetic, VLPs and recombinant DNA technology in producing of effective vaccines against viruses

## MEMBERSHIP

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Member of Medical Jordanian Syndicate, Jordan.

## LANGUAGES

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Arabic, fluent spoken and written

English, fluent spoken and written

## REFERENCES

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▶ **Professor Eric Gowans**

NHMRC Senior Research Fellow  
Discipline of Surgery  
The University of Adelaide  
The Basil Hetzel Institute  
(DX 465702)  
The Queen Elizabeth Hospital  
Woodville Road  
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Fax : +61 8 8222 7872  
Mob : +61 422 928 906  
e-mail: [eric.gowans@adelaide.edu.au](mailto:eric.gowans@adelaide.edu.au)

▶ **Professor Darwish Hasan Badran**

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The Hashemite University  
Al Zarqa, Jordan  
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► **Professor Abdelkader Hamdi Battah**

Head of Pathology, Microbiology and Forensic medicine  
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► **Associate Professor Mohammed Kamel Al Weswasi**

Head of Basic Medical Sciences Dept.

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