

# CURRICULUM VITAE

## I. Personal information

Name/Surname: **Mahmoud KWEIDER**

Place and date of birth: Daraah, 1 November 1960

Nationality: Syrian

Marital status: married

Address: Faculty of Sciences, University of Damascus, Syria

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## II. Education

University of Lille I, **Ph.D. in biology and Health sciences (immunology Anti-parasites)**  
Faculty of science, Title of thesis: increasing expression of Gp65 surface  
Pasteur institute of Lille, France. antigen of leishmania.b is correlated with infectivity  
centre of parasite biology and immunology  
November 1985-October 1989

University of Lill I **Diploma of Advanced Studies (DEA) in Animal  
physiology**  
Lill, France. institute pasteur  
November 1984-October 1985

Faculty of Sciences **Bachelor degree in Natural Sciences**  
University of Damascus  
Damascus, Syria  
September 1977-June 1981

## III. Present Job

**Since septembre 2017, Dean of Faculty of Sciences Damascus University**

- 1990-1996, Assistant professor and researcher at the Faculty of Sciences, Damascus University.

-1996-2005, Associate Professor , in Arabia Saudi, JEDDA.

- since 2005, Associate Professor at the Faculty of Sciences, Damascus University.

- 2016 , professor at the Faculty of Science, Damascus University.

## IV. Scientific Activity

### **1. Teaching:**

**Faculty of Sciences**  
University of Damascus  
Damascus, Syria  
Since 2005 until now

Theoretical lessons and practical work in  
**Immunology** in French (**Master of Biology**).

**Faculty of Sciences**  
University of Damascus  
Damascus, Syria 2005 Until now

Theoretical lessons and practical work in  
**Immunology (4<sup>th</sup> year, biochemistry)**.

**Faculty of Sciences**  
University of Damascus  
Damascus, Syria  
Since 2005 until now

Theoretical lessons and practical work in  
**Immunology** (4<sup>th</sup> year, **Microbiology**).

**Faculty of Sciences**  
University of Damascus  
Damascus, Syria  
2005- 2011

Theoretical lessons and practical work in  
**hematology** (4<sup>th</sup> year, **Biochemistry**).

**Faculty of Sciences**  
University of Damascus  
Damascus, Syria  
2011 until now

Theoretical lessons and practical work in  
**"Animal Biology(1)"** (1<sup>st</sup> year).

**Faculty of Agriculture**  
University of Damascus  
Damascus, Syria  
Since 2006 until now

Theoretical lessons and practical work in  
**Immunology (Master in Biotechnology)**.

**Faculty of Dentistry**  
University of Damascus  
Damascus, Syria  
Since 2008 until now

Theoretical lessons and practical work in  
**Immunology** (1<sup>st</sup> year).

**Faculty of Medicine**  
University of Kalamoon  
Deratiah, Syria 2007-2010

Theoretical lessons in "**Immunology**" (3<sup>rd</sup> year).

**Faculty of Medicine**  
University of Kalamoon  
Deratiah, Syria  
2006-2010

Theoretical lessons in "**Cytology**" (1<sup>st</sup> year).

**Faculty of Medicine**  
University of Kalamoon  
Deratiah, Syria  
2005-2010

Theoretical lessons and practical work in "**Biology**" (1<sup>st</sup> year).

**Faculty of Pharmacy**  
AL-Rasheed University  
2012 until now

Theoretical lessons and practical work in  
**"Animal Biology"** (1<sup>st</sup> year). **Molecular Biology** (2 year) .  
**Biotechnology** (4 year )

**Faculty of Pharmacy**  
AL-Rasheed University  
2011 until now

Theoretical lessons and practical work in  
**"Medical Parasitology"** (1<sup>st</sup> year).

## **2. Academic Supervision**

### **Finished thesis:**

- 1- Khadrawi Abeer, **Master in Biology Immunology, Faculty of Sciences**, Damascus University). Title of thesis: Isolation of different types of nanobody-displaying phages for detection of species of BRUCELLA in syria. ( supervisor).
- 2- Al-khouri hassan (**Master in Diagnostic laboratory, Faculty of pharmacy**, Damascus University). Title of thesis: "Study for the Immune Response Against Some Major Antigens of Leishmania", 15/ 03/ 2011 (Assistant Supervisor).
- 3- Bouthayna Darwish (**Master in Biology Immunoparasitology, Faculty of Sciences**, Damascus University). Title of thesis: "Comparative Study of Amastigotes and Promastigotes Antigens the Two Phases of *Leishmania tropica* and Study of the Immune Response against this Antigens", 16/ 08/ 2011 ( supervisor).
- 4- Abd almounem Al-Yasin (**Doctorate in Immunology, Faculty of Veterinary Medicine**, Al-Baath University). Title thesis: "Identification of Major Antigens of Hydatid Cyst in Syrian Sheep", 2011(Assistant supervisor).
- 5- Enas Abu Al-Shamat (**Master in Immunology, Faculty of Sciences**, Damascus University). Title of thesis: "the Potential Role of Human Chorionic Gonadotrophin (hCG) in the Immunity by Stimulating Human Macrophage Functions", 10/ 09/ 2012 (Assistant Supervisor).
- 6- Lamis Al-Houmsi (**Master in Biotechnology, Faculty of agriculture**, Damascus University). Title of thesis: "Production of Mutacin the Anti-Microbial Peptide by Recombinant DNA Technology", 23/ 03/2013 (Supervisor).
- 7- Nour Hammoudeh. (**Master in Biotechnology, Faculty of agriculture**, Damascus University). Title of thesis: studying the expression of P36 LAK gene in a strain of cutaneous leishmania ( *L.Tropica*) and its PRODUCTION AS RECOMBINANT PROTEIN. ( supervisor).
- 8- Al- edrisi suhair. (**Doctorate in Immunology, Faculty Of sciences**, Damascus University). Title of thesis: Evaluation of efficacy of different vaccines prepared of Eimeria tenella in Broiler chickens Against Coccidiosis. ( supervisor).

### **Thesis in progress:**

- 1- AL- maydani Nour (**Master in Biology, Faculty of Sciences**, Damascus University). Title of thesis: "Study of the Relation Between The HLA alleles and diabetes diseases", (Supervisor).
- 2- Anas Abou – al shamat (**Master in Biotechnology, Faculty of SCIENCES**, Damascus University). Title of thesis: "Study of some Kinase inhibitors on leishmania infectivity of human monocytes in vitro", (Supervisor).
- 3- Enas Abu Al-Shamat (**Doctorat in Immunology, Faculty of Sciences**, Damascus University). Title of thesis: "Production of nanobody against leishmania tropica . (Supervisor).
- 4- Dina ali (**Doctorat in Immunology, Faculty of Sciences**, Damascus University). Title of thesis: "Evaluation of Leishmania Tropica Protein Disulfide Isomerase as a Potential Immunogenic Protein-Vaccine Candidate against Visceral Leishmaniasis (Supervisor).

## **4. Scientific Projects**

**1- Immunological, molecular and environmental study of leishmaniasis in Syria and seek for new vaccinations strategies.**

Al-Okla S., Soukkarieh Ch., **Kweider M.**

2- Study of biological activity of marine algae extracts on some pathogenic agents in Syria.

Al-Okla S., Soukkarieh Ch., **Kweider M.**, Abass A., Zaynab E. and Kourabay F.

3-Production of Nanobodies directed against *leishmania tropica* for diagnostic and therapeutic purposes

Al-Okla S., Abbady A.Q., Soukkarieh Ch. and **Kweider M.**

## **V. Published Research**

1- Dina Ali, Abdul-Qader Abbady, **Mahmoud Kweider**, Chadi Soukkarieh. Cloning, expression, purification and characterization of Leishmania tropica PDI-2 protein. Open Life Sci. 2016; 11: 166- 176 .

**2- Kweider Mahmoud.** Detection of Crimean-Congo Hemorrhagic Fever Virus Antigens in Cattle and Humans in South Syria. Journal of Al Baath University.2014. Accepted.

3- Al-Okla S., Soukkarieh Ch., **Kweider M.** Single and Combined Effect of 17 $\beta$ -Estradiol on *Leishmania Tropica* Killing in Human Macrophages. *Arab Gulf journal of Scientific research*, 2014 in press.

**4- Kweider M.,** Soukkarieh Ch., and Al-Okla S., Virulence Diversity of *Leishmania Tropica* strains isolated from human lesions in Syria. *International Journal of PharmTech Research*. 2014 in press.

**5- Kweider M .**Detection of Crimean-Congo Hemorrhagic Fever Virus Antigens in Cattle and Humans in South Syria. Journal of AL-Baath University-Syria-Homs.2014 in press.

6- Nour HAMMOUDEH, **Mahmoud KWEIDER**, Abdul-qader ABBADY, and Chadi SOUKKARIEH. Sequencing and gene expression analysis of leishmania tropica LACK Gene. Iranian JParasitol, Vol. 9, No. 4. Oct-Dec 2014, PP. 574-583.

7- Nour HAMMOUDEH, Chadi SOUKKARIEH , Abdul-qader ABBADY, and **Mahmoud KWEIDER**. Cloning, Expression and Purification of Recombinant Leishmania Tropica P36 ( Lack 0 Protein for Serodiagnosis and Vaccine Applications. International journal of Pharm Tech Research. Vol.7, No.1, PP 72-79. 2014-2015.

8- Mogalli N., Soukkarieh Ch. Al-Okla S. and **Kweider M.** Molecular Typing of *Leishmania cutaneous* Strains Isolated from Patients in Yemen by PCR Technique. *Journal of Syrian Clinical laboratory association (SCLA)*, 2013, 6(10).

9- Suhair R, Al-idreesi, **Mahmoud Kweider** and mahmad m. Katranji. Immune Response to Eimeria tenella Sporozoite Protein as vaccine to Broiler Coccidiosis . international journal of poultry science12 (10) : 582-582, 2013.

10- Suhair R, Al-idreesi, **Mahmoud Kweider** and mahmad m. Katranji. Efficacy of Eimeria tenella ( Oocyst and Sporozoite) Proteins as a vaccine in Broilers Against Coccidiosis. international journal of poultry science12 (3) : 157-163, 2013.

11- Abu Al-Shamat E., Al-Okla S., Soukkarieh Ch. and **Kweider M.** Human Chorionic Gonadotrophin (hCG) Enhances Immunity against *L. tropica* by Stimulating Human Macrophage Functions. *Parasite Immunology*, 2012, 34(10), 449-454.

12- Al-Homsi L., Al-Assad J. M., **Kweider M.**, Al-Okla S., Abbady A. Q. Construction of pRSET-sfGFP plasmid for fusion-protein expression, purification and detection. *Jordan J Biol Sci*, 2012; 5:279-288.

13- Abu Al-Shamat E., Al-Okla S., Soukkarieh Ch, **Kweider M.** Evaluation of *in vitro* anti-Leishmanial activity of hCG on *L. tropica* human infected macrophages. *Journal of Syrian Clinical laboratory association (SCLA)*. 2013, 8(6).

14- Soukkarieh Ch., Al-Okla S., **Kweider M.** Using of the PCR Method for Identification of *Leishmania Tropica* in Syria. *Damascus University Journal for the Basic Sciences*, 2012, 28(1), 191-204.

15- Darwish B., **Kweider M.**, Al-Okla S. Comparative Study For Promastigotes & Amastigotes Stages Antigens of Cutaneous *Leishmania Tropica*. *Damascus University Journal for the Basic Sciences*, 2012, 28(1), 439-460.

- 16- Al- Yasin AM, Al-Okla S., **Kweider M.**, Katranji MM. Identification of Major Antigens of Alveolar and Liver Cyst Liquid in Syrian Awassi Sheep. *Arabic Journal of Arid Environments-The Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)*, 2013, 6(2), 111-117.
- 17- Al- Yasin AM, Al-Okla S., **Kweider M.**, Katranji MM. Evaluation of Hydatid Fluid Antigens For Detection of Antibodies of Echinococcosis in Sheep Sera Using Indirect ELISA. *Arabic Journal of Arid Environments-The Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)*, 2012, 5(1), 55-61.
- 18- Saloum N., **Kweider M.**, Al-Okla S. and Maarouf M. Study for the Immune Response Against Some Major Antigens of *Leishmania*. *Journal of Syrian Clinical laboratory association (SCLA)*, 2011, 6(2).
- 19- Alammoury D., **Kweider M.**, Al-Okla S. and Maarouf M. Immunization Trial by *Leishmania* Treated with Mitomycin-c. *Journal of Syrian Clinical laboratory association (SCLA)*, 2011, 6(2).
- 20- AL- Khouri H., Al- Okla S., **Kweider M.** and Maarouf M. Tamoxifen Effect on *Leishmania Tropica*. *Journal of Syrian Clinical laboratory association (SCLA)*, 2011, 6(1).
- 21- Khdrawi, Abeer, Aliaa El-Naoufi, A,AL-Mariri , **kweider . M** and A.Abbady. Isolation of different types of nanobody-displaying phages capable of distinguishing between the most two important species of Brucella in Syria. *Plant Mol Biol* 50, 837-54. 2002 .
- 22- Shaaban m , **Kweider .M** , Nahas s. Immunological study of *Cutaneous Leishmaniasis* in Damascus and suburban, Damascus University, Journal for the basic sciences. **2000**
- 23- **KWEIDER.M.** Identification of the major surface antigen of *Leishmania Major*, in Damascus and suburban, Damascus University, Journal for the basic sciences. **1999**
- 24- **KWEIDER.M.**, LEMESRE.J.L., SANTORO.F., KUSNIERZ.J.P., SADIGURSKY.M. & CAPRON.A., Development of metacyclic *Leishmania* promastigotes is associated with the increasing expression of GP65, the major surface antigen. *Parasit. Immunol.* **1989** ,11: 197-209.
- 25- **KWEIDER.M.**, MAZINGUE.C., COTTREZ-DETOEUF.F., CAPRON.A. & AURIAULT.C., Analysis of the immune response in immunized BALB/c mice with the major surface antigen of *L. amazonensis* promastigotes. **1989**
- 26- MAZINGUE.C., COTTREZ-DETOEUF.F., LOUIS.J., **KWEIDER.M.**, AURIAULT.C. & CAPRON.A., *In Vitro* and *In vivo* effects of interleukin 2 on the protozoan parasite *Leishmania*. *Eur.J.Immunol.* 19: 487. **1989**
- 27- LEMESRE.J.L., DARCY.F., **KWEIDER.M.**, CAPRON.A. & SANTORO.F., Requirements of defined cultivation conditions for standard growth of *Leishmania* promastigotes *in vitro*. *Acta. Tropica* **45**: 99-108. **1988**
- 28- **KWEIDER.M.**, LEMESRE.J.L., DARCY.F., KUSNIERZ.J.P., CAPRON.A., SANTORO.F., Infectivity of *Leishmania braziliensis* promastigotes is dependent on the increasing expression of a 65000-dalton surface antigen. *J.Immunol.* **138**: 299-305. **1987**
- 29- SANTORO.F., **KWEIDER.M.**, LEMESRE.J.L., DARCY.F & Rizivi F.S., Infectivity of *Leishmania* promastigotes is dependent on the expression of a 65000 Dalton surface antigen. In Chang

K.P. and Snary D.(Eds), Molecular and cellular interactions in *protozoal infections*, NATO ASI Series, vol. **H 11**, Springer-Verlag, Berlin, Heidelberg. P: 117. **1987**

## **V. Current Experimental Methods**

- Handling of Bacterial culture and Cell culture (endothelial, epithelial, monocytes and stem cells).
- Purification of proteins: Ion Exchange chromatography, Hydrophobic Interaction Chromatography (HIC), Gel filtration chromatography, Affinity chromatography, HPLC, automated chromatographic works station (Bio CAD SPRINT).
- Protein electrophoresis and Protein sequence analysis.
- Immunological techniques: Immunoprecipitation, ELISA, Western blot and Chemiluminescence, FACS analysis.

## **VII. Languages:** Arabic, French, English.

**Note:** *References are available under request*