

Ben Amor Nidhal

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Date & place of birth: 25 Avril 1977, Tunis.

Nationality: Tunisian

Languages: French, English and Spanish.

EDUCATION

1995 : BACCALAUREATE EXPERIMENTAL SCIENCES.

2000 : UNIVERSITY DEGREE in Natural Sciences from Sfax university.

2002: DIPLOMA OF DEPTH STUDY DEA (Master). Biotechnology and Applied Immunology, in transmissible diseases. Faculty of Pharmacy of Monastir.

2006: PhD in biotechnology and biological sciences High Institute of Biotechnology of Monastir.

QUALIFICATIONS

2006 -2009 : lecture in the high Institute of Biotechnology of Beja.

2009 -2010 : Assistant professor in the high Institute of Biotechnology of Beja.

2010 -2012 : Assistant professor in King Faissal University.

2012-2015: Assistant professor in the high Institute of Biotechnology of Beja.

2015- until now: Assistant professor in King Faissal University

TEACHING EXPERIENCE

Cell biology (under graduate)

Protein engineering (under graduate)

Biochemistry (under graduate)

General biology (under graduate)

Molecular genetics (graduate)

Molecular biotechnology (graduate)

Immunopathology (graduate)

Cell culture (graduate and postgraduate)

Heterologous protein expression and regulation (postgraduate)

Gene regulation (postgraduate)

TRAININGS

- **2015:** Three months in Institute of Biotherapy Research, Montpellier, France
- **2014:** Two month in molecular physiology laboratory, Veterinary college, Extremadura university, Spain
- **2013:** One month in molecular physiology laboratory, Veterinary college, Extremadura university, Spain
- **2008:** One month in molecular physiology laboratory, Veterinary college, Extremadura university, Spain
- **2007:** One month in molecular physiology laboratory, Veterinary college Extremadura university, Spain
- **2006:** Ten weeks in molecular physiology laboratory, Veterinary college Extremadura university, Spain
- **2005:** Five months in molecular physiology laboratory, Veterinary college Extremadura university, Spain
- **2004 :** two months in molecular physiology laboratory, Veterinary college Extremadura university, Spain

ASSOCIATIONAL ACTIVITIES

Member of Tunisian association of biological sciences.

Member of Tunisian association of biotechnology and bio-resources valorization.

Member international society of extracellular vesicles.

SCIENTIFIC REPORT

Thesis Work

My thesis was dedicated to study Calcium mechanisms influx in non-excitabile cells.

Papers published in the issue of this thesis:

1. **Nidhal Ben Amor**, Juan A. Pariente , Ginés M. Salido, Juan A. Rosado and Aghleb Bartegi. “Thrombin-induced caspases 3 and 9 translocation to the cytoskeleton is independent of changes in cytosolic calcium in human platelets”. *Blood Cells, Molecules, and Diseases*. 36 (2006) 392–401.
2. **Nidhal Ben Amor**, Jose´ A. Pariente, Gine´s M. Salido , Aghleb Bartegi and Juan A. Rosado. “Caspases 3 and 9 are translocated to the cytoskeleton and activated by thrombin in human platelets. Evidence for the involvement of PKC and the actin filament polymerization”. *Cellular Signalling* 18 (2006) 1252 – 1261.
3. **Nidhal Ben-Amor**, Pedro C. Redondo, Aghleb Bartegi, José A. Pariente, Ginés M. Salido and Juan A. Rosado. “A role for 5,6-epoxyeicosatrienoic acid in calcium entry by *de novo* conformational coupling in human platelets”. *J Physiol* 570.2 (2006) pp 309–323.
4. Pedro C. Redond¹, **Nidhal Ben-Amor¹**, Gine´s M. Salido, Aghleb Bartegi, Jose´ A. Pariente and Juan A. Rosado.” Ca²⁺-independent activation of Bruton’s tyrosine kinase is required for store-mediated Ca²⁺ entry in human platelets” *Cellular Signalling* 17 (2005) 1011 –1021. ***1 These authors contributed equally to this work.***

Postdoctoral Research:

Summary of my post-doctoral research

I continue my research in platelet physiology, I am interested in the diabetic mellitus type 2 platelet hyperactivity and the possibility of corrections by vegetal active compounds.

Now I am interested in platelets and cancer metastases.

List of publications

1. Letizia Albarran, Jose J. Lopez, **Nidhal Ben Amor**, Francisco E. Martin-Cano, Alejandro Berna-Erro, Tarik Smani, Gines M. Salido & Juan A. Rosado

Dynamic interaction of SARAF with STIM1 and Orai1 to modulate store-operated calcium entry. Scientific Report 6 article number: 24452 (2016)

2. E. Lopez · A. Berna Erro · N. Ben Amor · J. A. Rosado · P. C. Redondo.

Regulation of non-capacitative TRP channels by innumophilins in Human platelets. ACTA PHYSIOLOGICA 212:84-84 · SEPTEMBER 2014

3. Zidi IT, M'farrej SM, Bergaoui SD, Ghariani NZ, Bartegi AB, **Ben Amor Nidhal**, Noura RB.

Tumor necrosis factor-receptor 2 and TROY gene expression patterns in cutaneous squamous cell carcinoma in a Tunisian population. Saudi Med J. 2011 Nov;32(11):1202-3.

4. Zidi I, Bartegi A, **Ben Amor Nidhal**. Dermatologic adverse events: golimumab, friend or foe? Pharmazie. 2011 Jan;66(1):5-10

5. Zidi I, Bouaziz A, Mnif W, Bartegi A, Al-Hizab FA, **Ben Amor Nidhal**. Golimumab therapy of rheumatoid arthritis: an overview. Scand J Immunol. 2010 Aug;72(2):75-85.

6. Zidi I, **Ben Amor Nidhal**. HLA-G regulators in cancer medicine: an outline of key requirements. Tumour Biol. 2011 Dec;32(6):1071-86.

7. Zidi I, **Ben Amor Nidhal**. HLA-G as predisposing for metastasis. *Med Hypotheses*. 2011 Jul;77(1):134-9.
8. Zidi I, **Ben Amor Nidhal**. Nanoparticles targeting HLA-G for gene therapy in cancer. *Med Oncol*. 2012 Jun;29(2):1384-90.
9. Zidi I, Bouaziz A, Mnif W, Bartegi A, **Ben Amor Nidhal**. Golimumab and malignancies: true or false association? *Med Oncol*. 2011 Jun;28(2):641-8
10. Zidi I, Mestiri S, Bartegi A, **Ben Amor Nidhal**. TNF-alpha and its inhibitors in cancer. *Med Oncol*. 2010 Jun;27(2):185-98.
11. Ines Zidi, Wissem Mnif, Aicha Bouaziz, and **Nidhal Ben Amor**. Certolizumab pegol therapy of rheumatoid arthritis: Overview”DRUG DEVELOPMENT RESEARCH 72 : 603–614 (2011)
12. **Nidhal Ben Amor**, Zibidi Hanen , Aicha Bouaziz, Jardin Isaac, Juan M. Hernández-Cruz, Ginés M. Salido, Juan A. Rosado and Aghleb Bartegi “Acidic-store depletion is required for human platelet aggregation”. *Blood Coagulation and Fibrinolysis*. 2009 Oct;20(7):511-6.
13. Zibidi Hanen, JJ Lopez, **Nidhal Ben Amor**, Gine´s M. Salido and Juan A. Rosado. Enhanced expression of STIM1/Orai1 and TRPC3 in platelets from patients with type 2 diabetes mellitus *Mol Cell and Disease* 2009 Sep-Oct;43(2):211-3
14. **Nidhal Ben Amor**, Aicha Bouaziz, Cristina Romera-Castillo, Sofia Salido, Pablo J. Linares-Palomino, Aghleb Bartegi, Gine´s M. Salido and Juan A. Rosado. “Characterization of the Intracellular Mechanisms Involved in the Antiaggregant Properties of Cinnamtannin B-1 from Bay Wood in Human Platelets”. *J Med Chem*. 2007 Aug 9;50(16):3937-44.
15. Isaac Jardin¹, **Nidhal Ben Amor**¹, Juan M. Herna´ndez-Cruz, Gine´s M. Salido and Juan A. Rosado. “Involvement of SNARE proteins in thrombin-induced platelet aggregation: Evidence for the relevance of Ca²⁺ entry”. *Archives of Biochemistry and Biophysics* 465 (2007) 16–25. **1 These authors contributed equally to this work.**
16. Aicha Bouaziz, **Nidhal Ben Amor**, Geoffery E Woodard, Hanen Zibidi, José J. López, Aghleb Bartegi, Ginés M. Salido, Juan A. Rosado. “Tyrosine phosphorylation/dephosphorylation balance is involved in thrombin-evoked

microtubular reorganisation in human platelets”. Thromb Haemost. (2007) Aug;98(2):375-84.

- 17.** Isaac Jardin, **Nidhal Ben Amor**, Aghleb Bartegi, José A. Pariente, Ginés M. Salido and Juan A. Rosado. “Differential involvement of thrombin receptors in Ca²⁺ release from two different intracellular stores in human platelets”. Biochem J. (2007) Jan 1; 401(1):167-74.

Involvement in research projects:

1. Projet 2004-2006 code A/2936/05 intitulé «Estudio del papel de citoskeleto en el desarrollo *dans le développement des altérations fonctionnelles plaquettares chez les patients diabétiques type2* ».

2. Projet 2006-2008 code A/4808/06 intitulé «Estudio del efecto protector de los antioxidantes naturales proantocianidina y ciclooolivil en el desarrollo de alteraciones plaquetarias en la diabetes mellitus tipo 2». «*Étude de l'effet protecteur des antioxydants naturels, proantocianidine et cyclooolivile dans les altérations fonctionnelles plaquettares chez les patients diabétiques type2* ».

3. Platelets role in breast cancer metastasis enhancement. **DSR . KFU**. No. of Research Project 170009