

Curriculum Vitae

I. PERSONAL INFORMATION

Dr. Bisma BEL HADJ JRAD - TENSAOUT : PhD, Immunology, Biological Sciences
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Date of Birth: 24 - 01 - 1968 at Sousse (Tunisia).

Nationality: Tunisian.

Permanent Address: Street of pines, city of municipal stadium 4070, M'saken, Tunisia.

Actual Position

1. Professor (2012-present): Higher Institute of Biotechnology of Monastir (ISBM), University of Monastir, Tunisia.

2. Researcher, (1998-present) at the University of Monastir / Tunisia.

- Laboratory of Genetic, Biodiversity and Bioresource's valorization LR11ES41, Higher Institute of Biotechnology, 5000 Monastir, Tunisia.

II. ACADEMIC AND PROFESSIONAL TRAINING

Degree, Institution, Field, Date

- Bachelor, High school of Saint Raphaël, Academy of Nice, France; 1986
- B.Sc, University of Carthage, Faculty of Sciences Tunis, Tunisie; Natural Sciences 1986-1991
- M.Sc, University of Aix-Marseille II, Faculty of Luminy Marseille, France; Immunology, 1992- 93 Title of Master manuscripts: *Interaction between IGF and their receptors on the HT29 cells.*
- Ph.D, University of Aix-Marseille II, Faculty of Luminy Marseille, France; Immunology, 1993- 1997 Title of Thesis: *Antigenicity and immunogenicity of peptides mimicking the external envelope glycoprotein loops of human immunodeficiency virus type 2 (VIH-2).*
- University Habilitation, Monastir University, Higher institute of Biotechnology of Monastir, Tunisia, 1998-2006 Title of University Habilitation: *Involvement of the TNF-TNFR superfamily in EBV-associated cancers.*

ACADEMIC AND PROFESSIONAL EXPERIENCE:

2012-2023: University Professor in Immunology degree at ISBM, University of Monastir

2008-2012: Lecturer in Immunology degree at ISBM, University of Monastir

2001-2008: assistant- professor in Immunology degree at ISBM, University of Monastir

1998-2001: Assistant in Biological Sciences degree at the faculty of sciences of Monastir

1998: Recruitment on national contest for the post of Assistant in Biological Sciences at the Faculty of Sciences of Monastir

V. RESEARCH AREAS:

1998-2006: Involvement of two members (TNF α and FAS/CD95) of the TNF-TNFR superfamily in EBV-associated cancers.

- Determination of the HPV and EBV infection frequencies in a fresh and coated in paraffin biopsies of nasopharyngeal cancers.
- Study of the polymorphism of the genes hsp-70-2 and TNF α in non-Hodgkin's lymphoma in Tunisia.
- Analysis of association between a Fas gene promoter polymorphism and the development of nasopharyngeal cancer; Dosage of Fas soluble in the serum of the patients presenting a NPC and highlight of a correlation between Fas genotypes and the level of Fas soluble.
- Detection of auto-antibody in patients' serums presenting a nasopharyngeal cancer and highlight of a correlation between Fas genotypes and nuclear auto-antibodies in patients sera with NPC.

2007-2016: Environmental and genetic factors in the development of neuro-inflammation predisposing to psychiatric diseases (schizophrenia and bipolar disease).

- Research of association between infection with microorganisms having a tropism for the nervous system (*Toxoplasma gondii*) and the development of psychosis.
- Research of association between of genetic polymorphism of pro- and anti-inflammatory cytokines (TNF α -TNFR, Fas-FasL, IFN γ -IFN γ R, IL6-IL6R, CCL2- CCL2R, CXCL10/12, VEGF-VEGFR, IL1RA, IL8-IL8R, IL4-IL4R, IL10-IL10R) and the development of psychosis.

PUBLICATIONS (40)

1- Sihem THABET, Mouna Ben NEJMA, Ferid Zaafrane, Lotfi Gaha, Kamel BEN SALEM, Abdelaziz ROMDHANE, Mohamed NOUR and **BEL HADJ JRAD Besma**. Identification of Tumor necrosis factor receptor 2 (TNFR2) as a possible susceptibility gene for paranoid and adult-onset Schizophrenia. *J Mol Neurosci* (2011) 43:358–363

2- **Aflouk Y**, Inoubli O, Saoud H, Zaafrane F, Gaha L, Bel Hadj Jrad B. (2021) Association between TLR2 polymorphisms (- 196-174 Ins/Del, R677W, R753Q, and P631H) and schizophrenia in a Tunisian population. *Immunol Res. Dec*;69(6):541-552.

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FOREIGN LANGUAGES:

French: Read, Spoken, Written

English: Read, Written

Arabic: Spoken,

MEMBERSHIP OF SCIENTIFIC SOCIETIES

1. President of the Tunisian society of Psycho-Neuro-Endocrinal-Immunology (2015-23)
2. ISBM Internship Director (6 years: 2011-2017)
3. Vice Director and Director of Studies at ISBM (3 years: 2020-2023)
4. Member of the theses and accreditations commission of the ISBM (2009-2023)
5. Member of the quality committee of the ISBM (2020-2023)
6. President of the educational commission of the ISBM (2020-2023)
7. Founding member of the ISBM bioethics committee (2019-2020)

Diplomas of Masters sustained:

- 11 manuscripts sustained since 2000 at the Higher institute of biotechnology and the Pharmacy faculty of Monastir, Tunisia.

Diplomas of university PhD thesis sustained: 6