

## CURRICULUM VITAE

### 1. PERSONAL DATA

**Name:** Hassen Hadj Kacem

**Date of Birth:** 10/26/1973

**Place of Birth:** Sfax, Tunisia

**Nationality:** Tunisian

**Contact Address:** Department of Applied Biology, College of Sciences, University of Sharjah, Sharjah, P.O.Box: 27272, United Arab Emirates, Building W8 - Room 116

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### 2. ACADEMIC/PROFESSIONAL PARTICULARS

#### (a) Field of Specialization:

Biotechnology, Molecular Biology, Human Molecular Genetics:

##### **Skills**

Gene localization and identification, cDNA cloning and protein tagging, genetic Linkage and association studies, Cell culture, Cell Transfection, protein extraction, separation and Western blotting, Familial genealogy for disease tracing and gene localization, gene expression quantification, Microarray (gene expression, CGH, genotyping), imaging, conventional and confocal microscopy, ELISA, Real Time PCR, Sequencing (direct: Sanger, Indirect: DHPLC and HRM), Next generation sequencing (Illumina Technology), DNA and protein sequences analysis, homology modeling, Big data analysis....

##### **Topics**

Health Biotechnology, Genetic of complex diseases, genetic biomarkers, biostatistics, Auto-immune diseases, Endocrine pathologies, Bioinformatics, Human molecular genetics, Molecular Biology, Molecular diagnostics, high throughput analysis.

#### (b) Academic Qualifications

**1997- Engineer** (Bioengineering). National school of Engineers, Sfax University, TUNISIA:

**1999- Masters** (Bioengineering: Molecular Genetics). National school of Engineers, Sfax University, TUNISIA:

**2004- Ph.D** (Bioengineering: Molecular Genetics). National school of Engineers, Sfax University, TUNISIA

**2011- Habilitation Research** (accreditation to supervise scientific research in Molecular Biology). National school of Engineers, Sfax University,

#### (c) Academic Honors and Awards

**1997-** Graduated with honor (Valedictorian), National school of Engineers, Sfax University, TUNISIA

### 3. CAREER DETAILS

#### (a) Academic Positions Held

- 02/2000-** Faculty of Sciences, University of Sfax (Tunisia), Department of life sciences, Graduate teaching assistants.
- 04/2004-** Medicine School, University of Sfax (Tunisia), Laboratory of Human Molecular Genetics, Young Researcher.
- 01/2005-** Cochin Institute, University René Descart, Paris V (France), Department of genetics and development of molecular pathology (GDPM), Young Researcher (PostDoc ).
- 02/2006-** Centre of Biotechnology of Sfax (Tunisia), Targets for diagnosis and therapy unit, Assistant Professor.
- 01/2012-** Centre of Biotechnology of Sfax (Tunisia), Microorganisms and Biomolecule Laboratory, and Molecular and Cellular Screening Process Laboratory, Associate Professor
- 09/2015-** Department of Applied Biology, College of Sciences, University of Sharjah, Associate Professor
- 06/2018-** Centre of Biotechnology of Sfax, Tunisia (on leave), Full professor (the Tunisian agency of technical cooperation)

### 4. Teaching

#### (a) Summary of Courses Taught

**1999-2004/** Faculty of Sciences, Sfax, TUNISIA. Tutorials and practical work of cell Biology and formal genetics.

**2006-2009/** Faculty of Sciences, Sfax, TUNISIA. Genomics and Bioinformatics Courses for molecular and cell biology Masters.

**2007-2011/** National school of Engineers of Sfax, bioinformatics and Human Genetics for terminal level of bioengineering diploma.

**2015-2020/** University of Sharjah/Department of Applied Biology/ BS in Biotechnology, General Biology, Molecular Biology, Bioinformatics, Biostatistics/Master of Science in Biotechnology, Advanced Biochemistry & Molecular Biology/

#### (b) Research Students Supervised/Trained

Level	Number of Trainees
Postdoctoral Fellows	N/A
PhD Students	03
Master Students	08
Undergraduate Students	49

#### (c) Participation in Thesis and Oral Examination Committees

Level	Number of Examinations
PhD Students	12
Master Students	25

## (d) Training

### Host Laboratories:

**2018-2020** Bioinformatics and Functional genomics research Group, university of Sharjah, UAE

**2015-2020**/Human genetics and Stem Cells research Group, university of Sharjah, UAE

-**2014-2017**/ Molecular and Cellular Screening Process Laboratory, CBS, TUNISIA.

-**2010-2013**/Laboratory of Microorganisms and Biomolecules, Team: Molecular and Cellular Screening Process. CBS, TUNISIA.

-**2006-2010**/Targets for Diagnosis and Therapy unit, CBS, TUNISIA

-**2006-2010**/International associate Laboratory (LIA135), CNRS France.

-**2005-2006**/GDPM department, Cochin institute, university ParisV, Paris, FRANCE

-**1998-2004**/Laboratory of Human Molecular Genetics, Faculty of Medicine, Sfax, TUNISIA

### Short training's Host Laboratories

-**2002/12**- UMR 753 Immunologie des tumeurs humaines Interaction effecteurs cytotoxiques - Système tumoral, Gustave Roussy Institute, Paris France -

**2003/11**- Centre of pharmacology and health biotechnology, Montpellier, France

-**2008/07**- GDPM, Cochin Institute, Paris, France.

-**2008/11**- Center of pharmacology and innovation for diabetes, Montpellier, France

-**2009/01**- Genetics and Microbiology department, Universitat Autònoma de Barcelona, Spain

-**2009/11**- Microarray platform of Cochin institute, Paris, France

## 5. RESEARCH

### (a) Research Interests

Molecular genetics of human monogenic and complex diseases

### (b) Publications/Citations Data

Type of Publication	Number of Publications
Articles in International Refereed Journals	33
Conference Papers	29
Others (specify)	02 (scientific institutional periodic)
Citation Source	Number of Citations
Scholar Google	572

### (c) Research Grants

**2000-2002** PhD student: Collaborative Research Programme (CRP) of the International Centre for Genetic Engineering and Biotechnology: contract N : 99/015, Ref N°: CRP/TUN 99-02. Title: Susceptibility gene localisation in Thyroid autoimmune diseases.

**2005-2007** Co-Investigator: Collaborative Research Programme (CRP) of the International Centre for Genetic Engineering and Biotechnology: Ref N°: CRP/TUN 04-02. Title: Molecular study of susceptibility genes to autoimmune diseases.

**2007-2008** Member of CBS (TUNISIA) / 'University of Tsukuba (JAPAN) collaborative project "Analysis of the intracellular trafficking of three Tunisian natural pendrin mutants".

**2008-2009** Principal Investigator: Spanish international Cooperation Agency (AECI). Ref N°: A/8301/07. Title: Analysis of the genetic factors associated to Thyroid pathologies.

**2012-2014** Co-investigator: ICGEB (International Centre for Genetic Engineering and Biotechnology) "Microarray-based system for the detection of North African mutations".

**2015-2016** Principal Investigator: The World Academy of Sciences, TWAS Research Grants, SLC26A4 gene silencing for a potential siRNA-based therapy of respiratory inflammation.

**2015-2017** Principal Investigator: Molecular genetics of Maturity onset diabetes of the young. Seed project. University of Sharjah

**2018-2021** Principal Investigator SLC26A4 gene silencing for a potential siRNA-based therapy of respiratory inflammation. Targeted project. University of Sharjah

**2018-2021** Co-Investigator Unravelling the roles of microRNAs and IGF-1 in the enhanced differentiation of human dental pulp stem cells into neural progenitor-like cells in the presence of bFGF and EGF factors. University of Sharjah.

**2018-2021** Co-Investigator Studying the impact of the ShcD observed cancer mutations in the tumour cell behavior. University of Sharjah.

**2018-2021** Co-Investigator PAI-1 in tumor angiogenesis and metastasis. University of Sharjah.

**2018-2021** Co-Investigator The Immunomodulatory effects of two natural small molecules in the animal model of Multiple Sclerosis Experimental Autoimmune Encephalitis (EAE). University of Sharjah.

#### **(d) Participation in Regional & International Conferences**

**1998/ December-** third workshop of genetic epidemiology. Pasteur institute of Tunis. Tunisia

**2000/May-** 7<sup>th</sup> edition of Biostatistics and epidemiology, Institut Technologique de Santé Publique, Oran, Algeria.

**2000/June-July-** Practical Course : « Bioinformatic : computer methods in molecular biology ». International Centre for Genetic Engineering and Biotechnology (ICGEB). Trieste, Italy.

**2001-2002-2003 and 2004/ last week of MAY-** the first national workshop of Bioinformatics (CBIS). Sfax, Tunisia

**2007/February-** conference of the Tunisian Society of Immunology, Gammarth, Tunisia.

**2008/ NOVEMBER-** workshop of Bioinformatics organized by the Tunisian Society of Immunology. Sfax, Tunisia

**2010/ MAY-JUNE-** the Bioinformatics workshop (CBIS) organized by the Centre of Biotechnology of Sfax (CBS). Sfax, Tunisia

**2011/June-July-** Advances in microarray technology, Humburg, Germany.

**2012/ NOVEMBER-** the Second annual Meeting of the MEACR (MIDDLE-EASTERN ASSOCIATION FOR CANCER RESEARCH). Sfax, Tunisia.

**2013/ NOVEMBER-** the international conferences of Engineering Sciences for Biology and Medicine (ESBM2013) organized by the Tunisian Society of Academic Researchers. Mahdia, Tunisia.

**2015/ MAY-** the international conferences of Engineering Sciences for Biology and Medicine (ESBM2015) organized by the Tunisian Society of Academic Researchers. Monastir, Tunisia.

## 6. SERVICE

### (a) Membership of Institutional, National, or International Scientific Advisory Boards

**2014-2015** Member Elected of the National Committee of recruitment of assistant professor in bio-engineering. Tunisian Ministry of high education.

**2016-2017**- Coordinator of the College of Sciences annual report and annual plan committee. University of Sharjah.

**2017-2019**- Member of the College of Sciences annual report and annual plan committee. University of Sharjah.

**2016-2017**- Member of graduate studies council. University of Sharjah

**2017-2019**- Member of the University Committee for International Relations and Rankings, University of Sharjah

### (b) Membership of Conference Committees

**2001-2002-2003 and 2004/ MAY**- Organization and facilitation of the first national workshop of Bioinformatics (CBIS). Sfax, Tunisia

**2005/ APRIL**- Organization of the first international workshop of bioinformatics (ICBS) entitled: "Bioinformatics and genome data analysis". Sfax, Tunisia

**2008/ NOVEMBER**- Facilitation of two sessions of the workshop of Bioinformatics organized by the Tunisian Society of Immunology. Sfax, Tunisia

**2010/ MAY-JUNE**- Organization and facilitation of two sessions of the Bioinformatics workshop (CBIS) organized by the Centre of Biotechnology of Sfax (CBS). Sfax, Tunisia

**2012/ NOVEMBER**- Organization of the Second annual Meeting of the MEACR (MIDDLE-EASTERN ASSOCIATION FOR CANCER RESEARCH). Sfax, Tunisia.

**2013/ NOVEMBER**- Organization and facilitation of the international conferences of Engineering Sciences for Biology and Medicine (ESBM2013) organized by the Tunisian Society of Academic Researchers. Mahdia, Tunisia.

<http://sites.ieee.org/tunisia-embs/conferences/esbm2013/>

**2015/May**- Program Chair and Organizing committee, Engineering Sciences for Biology and Medicine (ESBM2015). Monastir, Tunisia. [www.esbm2015.com](http://www.esbm2015.com)

**2017/May**-Scientific committee member, Engineering Sciences for Biology and Medicine (ESBM2017). Sfax, Tunisia. <http://esbm2017.atcu.tn/>

### (c) Service as Reviewer

Journals

Human Genetics, Immunobiology, Genetic Testing, Genetic Testing and Molecular Biomarkers, Clinical Immunology, International Journal of Immunogenetics, International Journal of General Medicine, Expert Review of Endocrinology and Metabolism, Investigative Ophthalmology and Visual Science, Genes (ELS), European Neurology, Archives of Andrology, Archives of Dermatological Research....

### (d) Service to Profession/Industry

CHAHIA company, Tunisia, development of avian pathogens diagnostic kits, (03/2013-03/2016)

## (e) Public Service

**Since 2009-** co-administrator of Tunisian DNA Variation Database (T-DVD) ([www.tdvd.org](http://www.tdvd.org))

**2011-2015** president of the Tunisian Society of Academic Researcher

**Since 2019-** the 2nd UOS representative for American Chemical Society ACS UAE Chapter.

## 7. List of Publications

### (a) International Refereed Journals

Moalla M, Hadj Kacem F, Al-Mutery AF, Mahfood M, Mejdoub-Rekik N, Abid M, Mnif-Feki M, **Hadj Kacem H**. Nonstop mutation in the Kisspeptin 1 receptor (KISS1R) gene causes normosmic congenital hypogonadotropic hypogonadism. *J Assist Reprod Genet.* 2019 May 9. doi: 10.1007/s10815-019-01468-z.

Hela Gargouri and **Hassen Hadj Kacem**. Evaluation of alternative DNA extraction protocols for the species determination in turkey salami authentication tests. *International Journal of Food Properties.* 2018, VOL. 21, NO. 1, 733–745

Tlili A, Al Mutery A, Kamal Eddine Ahmad Mohamed W, Mahfood M, **Hadj Kacem H**. Prevalence of GJB2 Mutations in Affected Individuals from United Arab Emirates with Autosomal Recessive Nonsyndromic Hearing Loss. *Genet Test Mol Biomarkers.* 2017 Nov;21(11):686-691.

Rihab Kallel-Bouattour, Salima Belguith-Maalej, Emna Zouari-Bradai, Mouna Mnif, Mohamed Abid, **Hassen Hadj Kacem**. Intronic variants of SLC26A4 gene enhance splicing efficiency in hybrid minigene assay. *Gene*, Volume 620, 15 July 2017, Pages 10–14.

Chakchouk I, Ben Said M, Jbeli F, Benmarzoug R, Loukil S, Smeti I, Chakroun A, Gibriel AA, Ghorbel A, **Hadjkacem H**, Masmoudi S. NADf Chip, a Two-Color Microarray for Simultaneous Screening of Multigene Mutations Associated with Hearing Impairment in North African Mediterranean Countries. *J Mol Diagn.* 2015 Mar;17(2):155-61. doi: 10.1016/j.jmoldx.2014.11.003. Epub 2015 Jan 2. PubMed PMID: 25560255.

Hadjkacem Loukil L, **Hadjkacem H**, Bahloul A, Ayadi H. Relation between male obesity and male infertility in a Tunisian population. *Andrologia.* 2014 Apr 11. doi: 10.1111/and.12257. [Epub ahead of print] PubMed PMID: 24720635.

Belguith-Maalej S, Kallel R, Mnif M, Abid M, Ayadi H, **Kacem HH**. Association of intronic repetition of SLC26A4 gene with Hashimoto thyroiditis disease. *Genet Res (Camb).* 2013 Feb;95(1):38-44. doi: 10.1017/S0016672313000037. Epub 2013 Mar 4. PubMed PMID: 23452581.

Kallel R, Niasme-Grare M, Belguith-Maalej S, Mnif M, Abid M, Ayadi H, Masmoudi S, Jonard L, **Hadj Kacem H**. Screening of SLC26A4 gene in autoimmune thyroid diseases. *Int J Immunogenet.* 2013 Aug;40(4):284-91. doi: 10.1111/iji.12035. Epub 2012 Dec 22. PubMed PMID: 23280318.

Rihab Kallel, Salima Belguith-Maalej, Abdelmounaim Akdi, Mouna Mnif, Ilhem Charfeddine, Pere Galofré, Abdelmonaim Ghorbel, Mohamed ABID, Ricard Marcos, Hammadi Ayadi, Antonia Velazquez and **Hassen Hadj Kacem**. Genetic investigation of FOXE1 polyalanine tract in thyroid diseases: New insight on the role of FOXE1 in thyroid carcinoma. *Cancer Biomark*. 2010-2011;8(1):43-51. doi: 10.3233/DMA-2011-0824.

Khalfallah A, Schrauwen I, Mnejja M, **Hadjkacem H**, Dhouib L, Mosrati MA, Hakim B, Lahmar I, Charfeddine I, Driss N, Ayadi H, Ghorbel A, Van Camp G, Masmoudi S. Association of COL1A1 and TGFB1 Polymorphisms with Otosclerosis in a Tunisian Population. *Ann Hum Genet*. 2011 Jul 21. doi: 10.1111/j.1469-1809.2011.00665.x. [Epub ahead of print] PMID:21777208

BELGUITH-MAALEJ Salima, REBUFFAT Sandra A, CHARFEDDINE Ilhem, MNIF Mouna, NADIR R Farid, ABID Mohamed, GHORBEL Abdelmoneem, PERALDI-ROUX Sylvie , AYADI Hammadi and **HADJ-KACEM Hassen**. SLC26A4 expression among autoimmune thyroid tissues. *Immunobiology*. 2011 May;216(5):571-8. Epub 2010 Oct 28. PMID:21035230

Bouanene H, **Hadj Kacem H**, Ben Fatma L, Ben Limem H, Ben Ahmed S, Yakoub S, Miled A. Polymorphisms in the MUC16 Gene: Potential Implication in Epithelial Ovarian Cancer. *Pathol Oncol Res*. 2011 Jun;17(2):295-9. Epub 2010 Nov 3. PMID: 21046495

L. Hadjkacem-Loukil, **H. Hadj kacem**, I. Hadj salem, A. Bahloul, L. Keskes, F. Fakhfakh1 & H. Ayadi Genotyping of Tunisian azoospermic men with Sertoli cell-only and maturation arrest. *Andrologia*. 2011 Jul 6. doi: 10.1111/j.1439-0272.2010.01088.x. [Epub ahead of print] PMID: 21729129

**Hassen Hadj Kacem**, Rihab Kallel, Salima Belguith-Maalej, Mouna Mnif, Ilhem Charfeddine, Abdelmounem Ghorbel, Mohamed Abid, Hammadi Ayadi and Saber Masmoudi. SLC26A4 variations among Graves' hyper-functioning thyroid gland. *Disease Markers* 2010 1;29:63-9. PubMed PMID: 21045265.

Krichen H, Sfar I, **Hadj Kacem H**, Bardi R, Jendoubi-Ayed S, Makhoulouf M, Ben Romdhane T, Besseghair F, Aouadi H, Ben Abdallah T, Ayadi H, Ayed K, Gorgi Y. (AT) Repeat in the 3' Untranslated Region of the CTLA-4 Gene and Susceptibility to Acute Allograft Rejection in Tunisian Renal Transplantation. *Transplant Proc* 2010 Dec;42(10):4314-7. PubMed PMID: 21168689.

Belguith-Maalej S, **Hadj-Kacem H**, Rebuffat SA, Mnif-Feki M, Nguyen B, Abid M, Gross R, Ayadi H, Peraldi-Roux S. Absence of anti-pendrin auto-antibodies in the sera of Tunisian patients with autoimmune thyroid diseases. *Clin Lab*. 2010;56(7-8):335-43. PubMed PMID: 20857898.

Hadjkacem-Loukil L, **Kacem HH**, Salem IH, Bahloul A, Keskes L, Fakhfakh F, Ayadi H. Analysis of Azoospermia Factor Loci Polymorphisms Among Tunisian Infertile Men with Varicocele. *Genet Test Mol Biomarkers*. 2010 Sep 6. PubMed PMID: 20818979.

Rebeh IB, Yoshimi N, **Hadj-Kacem H**, Yanohco S, Hammami B, Mnif M, Araki M, Ghorbel A, Ayadi H, Masmoudi S, Miyazaki H. Two missense mutations in SLC26A4 gene: a molecular and functional study. *Clin Genet*. 2010 Jul;78(1):74-80. PubMed PMID: 20128824.

Belguith-Maalej S, **Hadj-Kacem H**, Kaddour N, Bahloul Z, Ayadi H. DNase1 exon2 analysis in Tunisian patients with rheumatoid arthritis, systemic lupus erythematosus and Sjögren syndrome and healthy subjects. *Rheumatol Int*. 2009 Apr 10. PubMed PMID: 19360410.

**Hadj-Kacem H**, Rebuffat S, Mnif-Féki M, Belguith-Maalej S, Ayadi H, Péraldi-Roux S. Autoimmune thyroid diseases: genetic susceptibility of thyroid-specific genes and thyroid autoantigens contributions. *Int J Immunogenet*. 2009 Apr;36(2):85-96. PubMed PMID: 19284442.

Belguith-Maalej S, **Hadj Kacem H**, Rebai A, Mnif M, Abid M, Ayadi H. Thyroglobulin polymorphisms in Tunisian patients with autoimmune thyroid diseases (AITD). *Immunobiology*. 2008;213(7):577-83. PubMed PMID: 18656705.

Makni K, **Hadj Kacem H**, Rebaï A, Abid M, Ayadi H. Association and linkage studies of the 20q11.2 region (GRD-2 locus) with Graves' disease in the Tunisian population. *Ann Hum Biol*. 2007 Sep-Oct;34(5):566-72. PubMed PMID: 17786592.

Gambino F, Pavlowsky A, Béglé A, Dupont JL, Bahi N, Courjaret R, Gardette R, **Hadjkacem H**, Skala H, Poulain B, Chelly J, Vitale N, Humeau Y. IL1-receptor accessory protein-like 1 (IL1RAPL1), a protein involved in cognitive functions, regulates N-type Ca<sup>2+</sup>-channel and neurite elongation. *Proc Natl Acad Sci U S A*. 2007 May 22;104(21):9063-8. PubMed PMID: 17502602

Hadj-Kacem L, **Hadj-Kacem H**, Ayadi H, Ammar-Keskes L, Chakroun-Fki N, Rebai T, Bahloul A, Mhiri MN. Screening of Y chromosome microdeletions in Tunisian infertile men. *Arch Androl*. 2006 May-Jun;52(3):169-74. PubMed PMID: 16574597.

**Hadj Kacem H**, Rebai A, Kaffel N, Abid M, Ayadi H. Evidence for linkage and association between autoimmune thyroid diseases and the 18q12-q21 region in a large Tunisian family. *Int J Immunogenet*. 2006 Feb;33(1):25-32. PubMed PMID: 16426239.

Hadjkacem L, **Hadj-Kacem H**, Boulila A, Bahloul A, Ayadi H, Ammar-Keskes L. Androgen receptor gene CAG repeats length in fertile and infertile Tunisian men. *Ann Genet*. 2004 Jul-Sep;47(3):217-24. PubMed PMID: 15337466.

Ayadi H, **Hadj Kacem H**, Rebai A, Farid NR. The genetics of autoimmune thyroid disease. *Trends Endocrinol Metab*. 2004 Jul;15(5):234-9 PubMed PMID: 15223054.

**HASSEN HADJ KACEM**, AHMED REBAI, HAMMADI AYADI AND NADIR R FARID. The genetics of autoimmune thyroid diseases. *The Journal of Endocrine Genetics*, 2003, 3: 115-128.

Chakraborty P, **Hadj Kacem H**, Makni-Karray K, Jarraya F, Hachicha J, Ayadi H. The A/T mutation in exon 2 of the DNASE1 gene is not present in Tunisian patients with systemic lupus erythematosus or in healthy subjects. *Arthritis Rheum*. 2003 Nov;48(11):3297-8. PubMed PMID: 14613299.



**Hadj Kacem H**, Rebai A, Kaffel N, Masmoudi S, Abid M, Ayadi H. PDS is a new susceptibility gene to autoimmune thyroid diseases: association and linkage study. *J Clin Endocrinol Metab*. 2003 May;88(5):2274-80. PubMed PMID: 12727986.

**Hadj Kacem H**, Kaddour N, Adyel FZ, Bahloul Z, Ayadi H. HLA-DQB1 CAR1/CAR2, TNFa IR2/IR4 and CTLA-4 polymorphisms in Tunisian patients with rheumatoid arthritis and Sjögren's syndrome. *Rheumatology (Oxford)*. 2001 Dec;40(12):1370-4. PubMed PMID: 11752507.

**Hadj Kacem H**, Bellassoued M, Bougacha-Elleuch N, Abid M, Ayadi H. CTLA-4 gene polymorphisms in Tunisian patients with Graves' disease. *Clin Immunol*. 2001 Dec;101(3):361-5. PubMed PMID: 11726229.

Maalej A, **Hadj Kacem H**, Bellassoued M, Abid M, Makni H, Ayadi H. Polymorphisms of HLA DQB1 CAR1/CAR2 and TNFalpha IR2/IR4 microsatellite markers in patients affected with Graves disease. *Clin Immunol*. 2000 Aug;96(2):91-3. PubMed PMID: 10900155.

#### **(b) Conference Papers**

Molecular Genetics of Tunisian Congenital Hypopituitarism. **Hassen Hadj Kacem**, Mariam Moalla, Faten Hadjkacem, Abdullah Fahad Al Mutery, Mona Mahfood, Nabila Mejdoub-Rekik, Mohamed Abid and Mouna Mnif-Feki. Colloque Franco-Maghrébin de Génétique Humaine. 22-23 February, 2019. Sousse, Tunisia.

High throughput analysis for processed meat species identification. Hela Gargouri, **Hassen Hadj Kacem**. 17<sup>th</sup> International days of Biotechnology (IDB2018). Sousse, Tunisia, 20-23 December, 2018.

Molecular Genetics of Congenital Hypopituitarism. **H. Hadj Kacem**, M. Moalla, F. Hadjkacem, A. F. Al Mutery, M. Abid, M. Mnif-Feki. European Human Genetics Conference. European Society of Human Genetics. Milan-Italy, 16-19, June, 2018

Wajdi Safi, Faten Hadj Kacem, Mariem Moalla, Dorra Ghorbel, Fatma Mnif, Mouna Mnif Feki, Nabila Rekik, Neila Belghith, Fatma Abdelhedi, **Hassen Hadj Kacem** & Mohamed Abid. Unusual association: turner syndrome and anterior pituitary insufficiency in 6 cases. 20th European Congress of Endocrinology . European Society of Endocrinology. Barcelona, Spain, 19 - 22 May 2018.

M. Moalla, F. Hadjkacem, A. F. Al Mutery, M. Abid, M. Mnif-Feki. **H. Hadj Kacem**. Molecular Genetics of Congenital Hypopituitarism in Tunisia. 2nd International Symposium of Young Researchers in Biology, Hammamet, Tunisia, 10-13 May 2018.

Mariam Moalla, Faten Hadjkacem, Abdullah Fahad Al Mutery, Mohamed Abid, Mouna Mnif-Feki and **Hassen Hadj Kacem**. Exome sequencing of Tunisian family

affected with congenital hypogonadotropic hypogonadism. The 3rd International Conference of Engineering Sciences for Biology and Medicine (ESBM), May 2017, Sfax, Tunisia.

Mariam Moalla, Faten Hadj kacem, Mohamed Hadj Kacem, Lobna Hadj kacem-loukil, Mohamed Abid, Mouna Mnif-Féki, **Hassen Hadj Kacem**.

Molecular genetics of Maturity Onset Diabetes of the Young (MODY) in Tunisia. 3ieme colloque Tuniso-français de genetique humaine. September-October 2016, Tunis, Tunisia.

I. Chakchouk, M. Ben Said, F. Jbeli, R. Benmarzoug, S. Loukil, **H. Hadj Kacem**, S. Masmoudi. *NADf chip, a two-color microarray for simultaneous screening of multi-gene mutations associated with hearing impairment in the North Africa*. The 1st International Conference of Engineering Sciences for Biology and Medicine (ESBM), November 29- December 1st 2013, Mahdia, Tunisia.

S. Masmoudi, I. Chakchouk, M. Ben Said, F. Jbeli, S. Loukil, **H. Hadj Kacem**. *NADf chip, a two-color microarray mutation detection tool for the diagnosis of deafness in North Africa*. European Human Genetics Conference 2013. June 8 - 11, 2013 Paris, France. European Journal of Human Genetics. Volume 21 Supplement 2, June 2013

Kallel Rihab, Belguith-Maalej Salima, Mnif Mouna, Abid Mohamed, **Hassen Hadj Kacem**. FOXE1 5'UTR variant (rs1867277), which is associated with papillary thyroid carcinoma, could play a role in Graves' disease genetic susceptibility. The Second annual meeting of the MEACR (Middle-Eastern Association for Cancer Research), 27-29 November, 2012. Sfax, Tunisia.

Imen Chakchouk, Mariem Ben Said, Fida Jbeli, Salma Loukil, **Hassen Hadj Kacem** and Saber Masmoudi. Construction of a DNA Microarray for the detection of mutations among patients with hearing loss in North African countries. Bioprotech international conference on bioproduction. 5-8 November, 2012. Sfax, Tunisia.

R. Kallel, M. Niasme-Grare, S. Belguith-Maalej, M. Mnif, M. Abid, H. Ayadi, S. Masmoudi, L. Jonard, **H. Hadj Kacem**. SCREENING OF SLC26A4 GENE IN AUTOIMMUNE THYROID DISEASES. 8th International Congress on Autoimmunity. 9-13 May, 2012. Granada, Spain.

R. Kallel, M. Niasme-Grare, S. Belguith-Maalej, M. Mnif, M. Abid, H. Ayadi, S. Masmoudi, L. Jonard, **H. Hadj Kacem**. SCREENING OF SLC26A4 GENE IN AUTOIMMUNE THYROID DISEASES. 4<sup>th</sup> forum of medical research. 20-21 April 2012. Sfax, Tunisia.

Abida O, Mahfoudh N, Fourati H, Kammoun H, **Hadj Kacem H**, Ben Ayed M, Masmoudi A, Makni H, Turki H, Masmoudi H. Polymorphisme des molecules Intervenant dans l'initiation, l'orientation, et/ou la régulation des réponses immunitaires dans le Pemphigus superficiel. 9<sup>th</sup> conference of the Tunisian Society of Immunology. 12-14 May 2011, Hammamet, Tunisia.

Belguith-Maalej S, Jmal M, Rekik N, Mnif F, **Hadj Kacem H**, Rebuffat S, Nguyen B, Abid M, Gross R, Ayadi H, Peraldi Roux S. Absence d'auto anticorps anti-pendrine dans le sérum des Tunisiens atteints de maladies thyroïdiennes auto-immunes. 8<sup>th</sup> Maghreb Congress, 34<sup>th</sup> Moroccan conference of endocrinology and diabetology. Casablanca 14-16 April 2011.

Kallel R, Belguith-Maalej S, Akdi M, Mnif M, Charfeddine I, Ghorbel M, Abid M, Ayadi H, Velazquez A et **Hadj Kacem H**. exploration génétique et fonctionnelle du polymorphisme poly-alanine du gène FOXE1 chez des patients atteints de pathologies thyroïdiennes. 8<sup>th</sup> conference of the Tunisian Society of Immunology, 18 -20 February 2010, Hammamet, Tunisia.

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