

CURRICULUM VITAE

1. PERSONAL DATA

Name: Hassen Hadj Kacem

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

Tel (Mobile): 0562764205

Email: hkacem@sharjah.ca.ae/

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, Food authentication, Food Omics.

(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.

2015-2023/ 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	09
Undergraduate Students	88

(c) Participation in Thesis and Oral Examination Committees

Level	Number of Examinations
PhD Students	12
Master Students	33

(d) Training

Host Laboratories:

2018-2023 Bioinformatics and Functional genomics research Group, university of Sharjah, UAE

2015-2023/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 main Interests

Molecular genetics of human monogenic and complex diseases

(b) Publications/Citations Data

Type of Publication	Number of Publications
Articles in International Refereed Journals	48
Conference Papers	32
Others (specify)	02 (scientific institutional periodic)
Citation Source	Number of Citations
Scholar Google	842

(c) Research Grants

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

2005-2007 Co-Investigator: Collaborative Research Program (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.

2022-2025 Principal Investigator: Identification of Autoimmune Thyroid Diseases genetic biomarkers by whole exome sequencing and functional investigations. University of Sharjah.

(d) Participation in Regional & International Conferences

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

2000/May- 7th 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 bioengineering. 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

2017-2020- Member of the University Committee for International Relations and Rankings, University of Sharjah

2019-2021- Member of the College of Science research committee, University of Sharjah.

2021-2022- Member of the University Housing committee, University of Sharjah.

2021-2022- Chair of the College of Science Multidisciplinary Programs Committee, University of Sharjah.

2023-present- Member of the STAB board of MarMaRA institute, Aix-Marseille University.

(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

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), Sports Health, NFS journal, 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)

2011-2015 president of the Tunisian Society of Academic Researcher

2019-2021 Member of the American chemistry Society (ACS) UAE chapter, University of Sharjah representative.

7. List of Publications

(a) International Refereed Journals

Soumya Columbus, Kais Daoudi, Krithikadevi Ramachandran, Mohamed Shameer, **Hassen Hadj Kacem**, Hussain Alawadhi, Mounir Gaidi, Confined assembly of size-tunable silver nanoprisms on flexible Teflon tapes as highly active SERS hotspots for ultralow-level sensing of DNA and glucose, *Sensors and Actuators B: Chemical*, Volume 398, 2024, 134780, ISSN 0925-4005, <https://doi.org/10.1016/j.snb.2023.134780>.

Imen Ben Rebeh, Marwa Gargouri, Marwa Ghariani, Nesrine kallel, Sana Rouis, Wafa Marrakchi, Dhekra Chebil, Riadh Ben Marzoug, Hela Gargouri, Latifa Merzougui, Houda Ghorbel, Mohamed Chakroun, **Hassen Hadjkacem**, Ahmed Rebai. Prevalence of comorbid asthma in Tunisian patients with COVID-19: clinical features and outcomes. *Journal of Infection in Developing countries*. Accepted June 2023.

Hassen Hadj Kacem, Krithikadevi Ramachandran, Gurukaelaiarasu Tamilarasi Mani, Soumya Columbus, Kais Daoudi, Siva Chidambaram, Bashir Suleiman, My Ali El Khakani, Mounir Gaidi, Rapid screening of Turkey DNA fingerprint using highly sensitive label free plasmonic SERS biosensor, *Surfaces and Interfaces*, 40, 103141, 2023. <https://doi.org/10.1016/j.surfin.2023.103141>.

Ben Issa A, Ben Ayed I, Jallouli O, Souissi A, Bouchaalla W, Ben Said M, Mallouli S, Masmoudi S, Charfi Triki C, **Hadj Kacem H**, Kammoun F. A new case with the recurrent PURA p.(Phe233del) pathogenic variant: Expansion of the phenotype and review of the literature. *Int J Dev Neurosci*. 2023 May 19. doi: 10.1002/jdn.10266. Epub ahead of print. PMID: 37204304.

Shaker BT, Ismail AA, Salih R, **Hadj Kacem H**, Rahmani M, Struman I, Bajou K. The 14-Kilodalton Human Growth Hormone Fragment a Potent Inhibitor of

Angiogenesis and Tumor Metastasis. *International Journal of Molecular Sciences*. 2023; 24(10):8877. <https://doi.org/10.3390/ijms24108877>

Khabou B, Fakhfakh R, Tahri S, Bahloul E, **Hadj Kacem H**, Belmabrouk S, Hachicha H, Sellami K, Turki H, Masmoudi H, Abida O. miRNA implication in the pathogenesis and the outcome of Tunisian endemic pemphigus foliaceus. *Exp Dermatol*. 2023 Apr 28. doi: 10.1111/exd.14821. Epub ahead of print. PMID: 37114366.

Maab Babiker Mansour, Uzma Inayat, Aml Mohamed Nada, **Hassen Hadj Kacem**. Identification of Two Rare Homozygote Missense Variants in the IRS1 Gene in a Patient With Early Gestational Diabetes: A Case Study. *J Endocrinol Metab*. 2022;12(6):188-197. doi: <https://doi.org/10.14740/jem842>

Moalla M, Mnif-Feki M, Safi W, Charfi N, Mejdoub-Rekik N, Abid M, Hadj Kacem F, **Hadj Kacem H**. Analysis of ProP1 Gene in a Cohort of Tunisian Patients with Congenital Combined Pituitary Hormone Deficiency. *J Clin Med*. 2022 Dec 19;11(24):7525. doi: 10.3390/jcm11247525.

Daoudi K, Columbus S, Falcão BP, Pereira RN, Peripolli SB, Ramachandran K, **Hadj Kacem H**, Allagui A, Gaidi M. Label-free DNA detection using silver nanoprism decorated silicon nanoparticles: Effect of silicon nanoparticle size and doping levels. *Spectrochim Acta A Mol Biomol Spectrosc*. 2023 21;290:122262. doi: 10.1016/j.saa.2022.122262.

Krithikadevi Ramachandran, Kais Daoudi, **Hassen Hadj Kacem**, Soumya Columbus, Hachemi Benaoum, Mounir Gaidi, Rapid and ultra-sensitive detection of pork DNA with surface enhanced Raman spectroscopy for onsite food quality inspection, *Sensing and Bio-Sensing Research*, Volume 38, 2022, 100524, ISSN 2214-1804, <https://doi.org/10.1016/j.sbsr.2022.100524>.

Asma Mohamed, Hela Gargouri **Hassen Hadj Kacem**, Evaluation of DNA extraction protocols and real-time PCR based methods for efficient investigation of pig traces in food. *International Food Research Journal*, 29, 4 , 828-842, doi: 10.47836/ifrj.29.4.10 August 2022.

Moalla M, Safi W, Babiker Mansour M, Hadj Kacem M, Mahfood M, Abid M, Kammoun T, Hachicha M, Mnif-Feki M, Hadj Kacem F, **Hadj Kacem H**. Tunisian Maturity-Onset Diabetes of the Young: A Short Review and a New Molecular and Clinical Investigation. *Front Endocrinol (Lausanne)*. 2021 Jul 29;12:684018. doi: 10.3389/fendo.2021.684018. PMID: 34393998; PMCID: PMC8358796.

Mnif-Feki M, Safi W, Bougacha-Elleuch N, Abid G, Moalla M, Elleuch M, Ben Salah DH, Rekik N, Belguith N, Abdelhedi F, Kammoun T, Hachicha M, Charfi N, Mnif F, Kammoun H, **Hadj Kacem H**, Hadj-Kacem F, Abid M. Occurrence of Hypopituitarism in Tunisian Turner Syndrome patients: familial versus sporadic cases. *Gynecol Endocrinol*. 2021 Jun 14:1-5. doi: 10.1080/09513590.2021.1939298. Epub ahead of print. PMID: 34124982.

Gargouri, H., Moalla, N. & **Kacem, H.H**. PCR-RFLP and species-specific PCR efficiency for the identification of adulteries in meat and meat products. *Eur Food Res Technol* (2021). <https://doi.org/10.1007/s00217-021-03778-y>

Khan AA, Huat TJ, Al Mutery A, El-Serafi AT, **Kacem HH**, Abdallah SH, Reza MF, Abdallah JM, Jaafar H. Significant transcriptomic changes are associated with differentiation of bone marrow-derived mesenchymal stem cells into neural progenitor-like cells in the presence of bFGF and EGF. *Cell Biosci.* 2020 Oct 28;10:126. doi: 10.1186/s13578-020-00487-z. PMID: 33133516; PMCID: PMC7594431.

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, Makhlouf 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, Peraldi-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 Ca²⁺-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.

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(b) Conference Papers

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