

Liste des publications 2023

- Sarray S, Lamine LB, Dallel M, Ezzidi I, Sellami N, Turki A, Moustafa AEE, Mtiraoui N. Association of matrix metalloproteinase-2 gene variants with diabetic nephropathy risk. *J Gene Med.* 2023 Nov;25(11):e3553. doi: 10.1002/jgm.3553. Epub 2023 Jun 13. PMID: 37312425.
- Diego Franco, Leif Hove-Madsen, and Houria Daimi. Editorial: Molecular, structural and electrophysiological remodeling in atrial fibrillation. *Front. Physiol.* 14:1303328. doi: 10.3389/fphys.2023.1303328
- Francisco José Martínez-Amaro, Carlos García-Padilla, Diego Franco and Houria Daimi. LncRNAs and CircRNAs in Endoplasmic Reticulum Stress: A Promising Target for Cardiovascular Disease? *Int. J. Mol. Sci.* 2023, 24, 9888. <https://doi.org/10.3390/ijms24129888>
- García-Padilla C, Daimi H, Franco D and Lozano-Velasco E (2023), Editorial: Cell signalling in heart development, disease and regeneration. *Front. Physiol.* 14:1188406. doi: 10.3389/fphys.2023.1188406
- Denden Sabri, Amel Haj Khelil Saad. Beverage preference (coffee vs. tea) according to CYP1A2 gene rs2470893 SNP genotypes in the Tunisian population *Bulletin of the National Research Center* 2023
- Touhami R, Fodhha H, Alix E, Jalloul A, Mougou-Zerelli S, Saad A, Sanlaville D, Haj Khelil A. Case report: 7p22.3 deletion and 8q24.3 duplication in a patient with epilepsy and psychomotor delay-Does both possibly act to modulate a candidate gene region for the patient's phenotype? *Front Genet.* 2023 Jan 9;13:1061539. doi: 10.3389/fgene.2022.1061539. PMID: 36778913; PMCID: PMC9909830.
- Chaabani R, Bejaoui M, Ben Jeddou I, Zaouali MA, Haouas Z, Belgacem S, Peralta C, Ben Abdennebi H. Effect of the Non-steroidal Anti-inflammatory Drug Diclofenac on Ischemia-Reperfusion Injury in Rat Liver: A Nitric Oxide-Dependent Mechanism. *Inflammation.* 2023 Aug;46(4):1221-1235. doi: 10.1007/s10753-023-01802-9. Epub 2023 Mar 18. PMID: 36933163.
- Missawi O, Jeddou IB, Venditti M, Zitouni N, Zaouali MA, Abdennebi HB, Messaoudi I, Reiter RJ, Minucci S, Banni M. Environmental microplastic accumulation exacerbates liver

ischemia-reperfusion injury in rat: Protective effects of melatonin. *Sci Total Environ.* 2023 Feb 20;860:160155. doi: 10.1016/j.scitotenv.2022.160155. Epub 2022 Nov 25. PMID: 36436653.

– Gannoun MBA, Mehdi M, Zitouni H, Boussabah M, Zouari I, Jlali A, Almawi WY. Evaluation of the angiogenic factors sFlt-1, PlGF, and the sFlt-1/PlGF ratio in preeclampsia and associated features. *Am J Reprod Immunol.* 2023 Jul;90(1):e13715. doi: 10.1111/aji.13715. PMID: 37382174.

– Hajer F, Hana S, Saoussen C, Abdelhak F, Nadia B, Ameni D, Habib G, Hassen BA, Amel HK. Genetic polymorphisms in VEGFA and VEGFR2 genes associated with coronary heart disease susceptibility and severity. *Mol Biol Rep.* 2023 Dec;50(12):10169-10177. doi: 10.1007/s11033-023-08899-z. Epub 2023 Nov 4. PMID: 37924452.

– Chkioua L, Amri Y, Sahli C, Rhouma FB, Chehida AB, Tebib N, Messaoud T, Abdennebi HB, Laradi S. Identification of mutations that causes glucose-6-phosphate transporter defect in tunisian patients with glycogenosis type 1b. *Diabetol Metab Syndr.* 2023 Apr 28;15(1):86. doi: 10.1186/s13098-023-01065-2. PMID: 37118808; PMCID: PMC10142411.

– Ben Salem A, Ezzidi I, Ben Abdennebi H, Mahjoub T, Sarray S, Mtiraoui N. Interleukin 10 (IL-10) gene variants and haplotypes in Tunisian women with polycystic ovary syndrome (PCOS): a case-control study. *Mol Biol Rep.* 2023 Oct;50(10):8089-8096. doi: 10.1007/s11033-023-08706-9. Epub 2023 Aug 4. PMID: 37541999.

– Almawi WY, Zidi S, Sghaier I, El-Ghali RM, Daldoul A, Midlenko A. Novel Association of IGF2BP2 Gene Variants With Altered Risk of Breast Cancer and as Potential Molecular Biomarker of Triple Negative Breast Cancer. *Clin Breast Cancer.* 2023 Apr;23(3):272-280. doi: 10.1016/j.clbc.2022.12.017. Epub 2022 Dec 30. PMID: 36653207.

– Zitouni H, Chayeb V, Ben Ali Gannoun M, Raguema N, Bendhaher S, Zouari I, Ben Abdennebi H, Guibourdenche J, Mahjoub T, Gaddour K, Almawi WY. Preeclampsia is associated with reduced renin, aldosterone, and PlGF levels, and increased sFlt-1/PlGF ratio, and specific angiotensin-converting enzyme Ins-Del gene variants. *J Reprod Immunol.* 2023 Jun;157:103924. doi: 10.1016/j.jri.2023.103924. Epub 2023 Feb 28. PMID: 36870296.

– Chaabani R, Bejaoui M, Zaouali MA, Ben Abdennebi H. Protective effects of diclofenac on liver graft preservation. *Can J Physiol Pharmacol.* 2023 Aug 1;101(8):382-392. doi: 10.1139/cjpp-2022-0446. Epub 2023 May 24. PMID: 37224567.

- Bouzidi N, Gamra H. Relationship between serum interleukin-6 levels and severity of coronary artery disease undergoing percutaneous coronary intervention. *BMC Cardiovasc Disord.* 2023 Nov 28;23(1):586. doi: 10.1186/s12872-023-03570-8. PMID: 38017432; PMCID: PMC10685463.
- Luo F, Liu F, Guo Y, Xu W, Li Y, Yi J, Fournier T, Degrelle S, Zitouni H, Hernandez I, Liu X, Huang Y, Yue J. Single-cell profiling reveals immune disturbances landscape and HLA-F-mediated immune tolerance at the maternal-fetal interface in preeclampsia. *Front Immunol.* 2023 Oct 3;14:1234577. doi: 10.3389/fimmu.2023.1234577. PMID: 37854606; PMCID: PMC10579943.
- Mahjoub A, Abdesslem NB, Jouini A, Abderrazek AB, Ghorbel M, Mahjoub H. Surgical management of post-traumatic iris cyst: A case report. *Int J Surg Case Rep.* 2023 Apr;105:108037. doi: 10.1016/j.ijscr.2023.108037. Epub 2023 Mar 23. PMID: 36966718; PMCID: PMC10073885.
- Bahloul B, Chaabani R, Zahra Y, Kalboussi N, Kraiem J, Sfar S, Mignet N, Abdennebi HB. Thymoquinone-loaded self-nano-emulsifying drug delivery system against ischemia/reperfusion injury. *Drug Deliv Transl Res.* 2024 Jan;14(1):223-235. doi: 10.1007/s13346-023-01395-8. Epub 2023 Jul 31. PMID: 37523093.
- Sghaier I, Zidi S, El-Ghali RM, Daldoul A, Aimagambetova G, Almawi WY. Unique ESR1 and ESR2 estrogen receptor gene variants associated with altered risk of triple-negative breast cancer: A case-control study. *Gene.* 2023 Jan 30;851:146969. doi: 10.1016/j.gene.2022.146969. Epub 2022 Oct 17. PMID: 36261089.

Liste des publications 2022

- Micó-Carnero M, Zaouali MA, Rojano-Alfonso C, Maroto-Serrat C, Ben Abdennebi H, Peralta C. A Potential Route to Reduce Ischemia/Reperfusion Injury in Organ Preservation. *Cells*. 2022 Sep 5;11(17):2763. doi: 10.3390/cells11172763. PMID: 36078175; PMCID: PMC9455584.
- Sarray S, Lamine LB, Dallel M, Jairajpuri D, Turki A, Sellami N, Ezzidi I, Abdelhadi M, Brock R, Ghorbel M, Mahjoub T. Association of MMP-2 genes variants with diabetic retinopathy in Tunisian population with type 2 diabetes. *J Diabetes Complications*. 2022 May;36(5):108182. doi: 10.1016/j.jdiacomp.2022.108182. Epub 2022 Mar 18. PMID: 35339376.
- Mir R, Tayeb FJ, Barnawi J, Jalal MM, Saeedi NH, Hamadi A, Altayar MA, Alshammari SE, Mtiraoui N, Ali ME, Duhier FMA, Ullah MF. Biochemical Characterization and Molecular Determination of Estrogen Receptor- α (ESR1 PvuII-rs2234693 T>C) and MiRNA-146a (rs2910164 C>G) Polymorphic Gene Variations and Their Association with the Risk of Polycystic Ovary Syndrome. *Int J Environ Res Public Health*. 2022 Mar 6;19(5):3114. doi: 10.3390/ijerph19053114. PMID: 35270805; PMCID: PMC8910123.
- Touhami R, Fodhha H, Alix E, Jalloul A, Mougou-Zerelli S, Saad A, Sanlaville D, Haj Khelil A. Case report: 7p22.3 deletion and 8q24.3 duplication in a patient with epilepsy and psychomotor delay-Does both possibly act to modulate a candidate gene region for the patient's phenotype? *Front Genet*. 2023 Jan 9;13:1061539. doi: 10.3389/fgene.2022.1061539. PMID: 36778913; PMCID: PMC9909830.
- Mir R, Saeedi NH, Jalal MM, Altayar MA, Barnawi J, Hamadi A, Tayeb FJ, Alshammari SE, Mtiraoui N, M Ali ME, Abuduhier FM, Ullah MF. Clinical Implications of Krüppel-like Transcription Factor KLF-14 and Certain Micro-RNA (miR-27a, miR-196a2, miR-423) Gene Variations as a Risk Factor in the Genetic Predisposition to PCOS. *J Pers Med*. 2022 Apr 6;12(4):586. doi: 10.3390/jpm12040586. PMID: 35455702; PMCID: PMC9030665.
- Missawi O, Jeddou IB, Venditti M, Zitouni N, Zaouali MA, Abdennebi HB, Messaoudi I, Reiter RJ, Minucci S, Banni M. Environmental microplastic accumulation exacerbates liver

ischemia-reperfusion injury in rat: Protective effects of melatonin. *Sci Total Environ.* 2023 Feb 20;860:160155. doi: 10.1016/j.scitotenv.2022.160155. Epub 2022 Nov 25. PMID: 36436653.

– Exome sequencing reveals a homozygous frameshift variant in CAPN3 in a Tunisian patient with a neuromuscular disorder. *Molecular and Genetic Medicine*

– Expanding the Mutational Spectrum of Xia-Gibbs and Bosch-Boonstra-Schaaf Optic Atrophy Syndromes. *Annals of clinical case Reports*

– Slim C, Zaouali MA, Nassrallah H, Ammar HH, Majdoub H, Bouraoui A, Abdennebi HB. Protective potential effects of fucoidan in hepatic cold ischemia-reperfusion injury in rats. *Int J Biol Macromol.* 2020 Jul 15;155:498-507. doi: 10.1016/j.ijbiomac.2020.03.245. Epub 2020 Mar 31. PMID: 32243932.

– Dhiflaoui A, Mahjoub S, Chayeb V, Achour B, Chouchen S, Abdennebi HB, Mahjoub T, Almawi WY. miR-146a, miR-196a2, miR-499, and miR-149 linked with susceptibility to acute lymphoblastic leukemia: A case-control study in Tunisia. *Gene.* 2022 Aug 5;834:146648. doi: 10.1016/j.gene.2022.146648. Epub 2022 Jun 9. PMID: 35690283.

– Chkioua L, Amri Y, Saheli C, Mili W, Mabrouk S, Chabchoub I, Boudabous H, Azzouz WB, Turkia HB, Ferchichi S, Tebib N, Massoud T, Ghorbel M, Laradi S. Molecular characterization of CTNS mutations in Tunisian patients with ocular cystinosis. *Diagn Pathol.* 2022 May 6;17(1):44. doi: 10.1186/s13000-022-01221-8. PMID: 35524314; PMCID: PMC9074260.

– Mir R, Altayar MA, Hamadi A, Tayeb FJ, Saeedi NH, Jalal MM, Barnawi J, Alshammari SE, Mtiraoui N, Ali MEM, Abuduhier FM, Ullah MF. Molecular determination of progesterone receptor's PROGINS allele (Alu insertion) and its association with the predisposition and susceptibility to polycystic ovary syndrome (PCOS). *Mamm Genome.* 2022 Sep;33(3):508-516. doi: 10.1007/s00335-021-09941-w. Epub 2022 Jan 8. PMID: 34997844.

– Perla, a new coldstorage solution to preserve liver grafts from extended criteria donor. *Transplantation*

– Using a new preservation solution called Perla for kidney transplantation. *Transplantation*

– Maouia A, Leban N, Youssef M, Helal AN, Kassab A. Desloratadine Efficacy in Relation to GSTM1 and GSTT1 Polymorphic Genes in Chronic Spontaneous Urticaria. *Indian J Dermatol.* 2022 May-Jun;67(3):252-257. doi: 10.4103/ijd.IJD_546_17. PMID: 36386105.

- Bahia W, Zitouni H, Kanabekova P, Bauyrzhanova Z, Shaimardanova M, Finan RR, Aimagambetova G, Almawi WY. Human forkhead box protein 3 gene variants associated with altered susceptibility to idiopathic recurrent pregnancy loss: A retrospective case-control study. *Am J Reprod Immunol*. 2022 Aug;88(2):e13551. doi: 10.1111/aji.13551.
- Ncib K, Bahia W, Leban N, Mahdhi A, Trifa F, Mzoughi R, Haddad A, Jabeur C, Donders G. Microbial Diversity and Pathogenic Properties of Microbiota Associated with Aerobic Vaginitis in Women with Recurrent Pregnancy Loss. *Diagnostics (Basel)*. 2022 Oct 9;12(10):2444. doi: 10.3390/diagnostics12102444.
- Haddaji N, Mahdhi A, Bouali N, Ghorbel M, Bechambi O, Leban N, Ameer M, Mzoughi R. Biosurfactants as inhibitors of the adhesion of pathogenic bacteria. *Emir. J. Food Agric* 2022. 34(1): 36-43
- Daimi, H.; Lozano-Velasco, E.; Aranega, A.; Franco, D. Genomic and Non-Genomic Regulatory Mechanisms of the Cardiac Sodium Channel in Cardiac Arrhythmias. *Int. J. Mol. Sci.* 2022, 23, 1381. [https:// doi.org/10.3390/ijms23031381](https://doi.org/10.3390/ijms23031381)

Liste des publications 2021

- Sarray S, Dallel M, Lamine LB, Jairajpuri D, Sellami N, Turki A, Malalla Z, Brock R, Ghorbel M, Mahjoub T. Association of matrix metalloproteinase-2 gene polymorphisms with susceptibility to type 2 diabetes: A case control study. *J Diabetes Complications*. 2021 Jun;35(6):107908. doi: 10.1016/j.jdiacomp.2021.107908. Epub 2021 Mar 16. PMID: 33766491.
- Herraiz-Martínez, A.; Tarifa, C.; Lozano-Velasco, E.; Jiménez-Sábado, V.; Casabella, S.; Hernández-Torres, F.; Daimi, H.; Vázquez Ruiz de Castroviejo, E.; Delpón, E.; Caballero, R.; et al. Novel PITX2 Homeodomain-Contained Mutations from ATRIAL Fibrillation Patients Deteriorate Calcium Homeostasis. *Hearts* 2021, 2, 251–269. <https://doi.org/10.3390/hearts2020020>
- Dallel M, Douma Z, Finan RR, Hachani F, Letaifa DB, Mahjoub T, Almawi WY. Contrasting association of Leptin receptor polymorphisms and haplotypes with polycystic ovary syndrome in Bahraini and Tunisian women: a case-control study. *Biosci Rep*. 2021 Jan 29;41(1):BSR20202726. doi: 10.1042/BSR20202726. PMID: 33245096; PMCID: PMC7789794.
- Evolution de la pratique pharmaceutique à l'ère de l'e-santé. Essaydali
- Chkioua L, Amri Y, Chaima S, Fenni F, Boudabous H, Ben Turkia H, Messaoud T, Tebib N, Laradi S. Fucosidosis in Tunisian patients: mutational analysis and homology-based modeling of FUCA1 enzyme. *BMC Med Genomics*. 2021 Aug 23;14(1):208. doi: 10.1186/s12920-021-01061-3. Erratum in: *BMC Med Genomics*. 2021 Dec 15;14(1):293. PMID: 34425818; PMCID: PMC8383439.
- Ben Jdidia I, Zribi K, Boubaker M, Brahem A, Sayadi M, Tlijani M, Saidani Z, Cherif A. Les médicaments qui interfèrent avec les bilans biologiques : revue de la littérature. *Can J Hosp Pharm*. 2021 Fall;74(4):378-385. French. doi: 10.4212/c-jhp.v74i4.3200. PMID: 34602626; PMCID: PMC8463014.
- Gannoun MBA, Raguema N, Zitouni H, Mehdi M, Seda O, Mahjoub T, Lavoie JL. MMP-2 and MMP-9 Polymorphisms and Preeclampsia Risk in Tunisian Arabs: A Case-Control Study. *J Clin Med*. 2021 Jun 16;10(12):2647. doi: 10.3390/jcm10122647. PMID: 34208487; PMCID: PMC8234886.

- Ophthalmic and Genetics Profiles of Cystinosis in Tunisian Patients
- Benizri N, Marc C, Achille A, Raguema N, Pepin É, Lavoie JL, Bertagnolli M. Ultrasound Imaging of Remodeling in Fetal Mouse Heart and the Programming of Cardiomyopathy in Offspring of Superimposed Preeclampsia. *Hypertension*. 2021 May 5;77(5):e47-e49. doi: 10.1161/HYPERTENSIONAHA.121.16959. Epub 2021 Mar 22. PMID: 33745296.
- Benizri N, Marc C, Achille A, Raguema N, Pepin É, Lavoie JL, Bertagnolli M. Ultrasound Imaging of Remodeling in Fetal Mouse Heart and the Programming of Cardiomyopathy in Offspring of Superimposed Preeclampsia. *Hypertension*. 2021 May 5;77(5):e47-e49. doi: 10.1161/HYPERTENSIONAHA.121.16959. Epub 2021 Mar 22. PMID: 33745296.

Liste des publications 2020

- Estefanía Lozano-Velasco, Diego Franco, Amelia Aranega and Houria Daimi. Genetics and Epigenetics of Atrial Fibrillation. *Int. J. Mol. Sci.* 2020, 21, 5717; doi:10.3390/ijms21165717
- Douma Z, Dallel M, Bahia W, Ben Salem A, Hachani Ben Ali F, Almawi WY, Lautier C, Haydar S, Grigorescu F, Mahjoub T. Association of estrogen receptor gene variants (ESR1 and ESR2) with polycystic ovary syndrome in Tunisia. *Gene.* 2020 May 30;741:144560. doi: 10.1016/j.gene.2020.144560. Epub 2020 Mar 10. PMID: 32169631.
- Daimi H, Franco D. Regulation of SCN5A by Non-coding RNAs in the Brugada Syndrome Context. *J Cardiol and Cardiovasc Sciences.* 2020;4(2):65-70
- Coffee and Green Tea Decoction Intake in the Tunisian Population According to Genetic Polymorphisms of Genes Involved in Habitual Caffeine Intake and Green Tea Decoction Intake in the Tunisian Population According to Genetic Polymorphisms of Genes Involved in Habitual Caffeine Intake.
- Comparing the SCN5A Gene Sequence and Expression in Three Different Brugada Syndrome Profiles of Patients: New Insights for Genotype-Phenotype Correlation
- Nasrallah H, Aissa I, Slim C, Boujbiha MA, Zaouali MA, Bejaoui M, Wilke V, Ben Jannet H, Mosbah H, Ben Abdennebi H. Effect of oleuropein on oxidative stress, inflammation and apoptosis induced by ischemia-reperfusion injury in rat kidney. *Life Sci.* 2020 Aug 15;255:117833. doi: 10.1016/j.lfs.2020.117833. Epub 2020 May 22. PMID: 32450167.
- Bedoui SA, Barbirou M, Stayoussef M, Dallel M, Mokrani A, Makni L, Mezlini A, Bouhaouala-Zahar B, Yacoubi-Loueslati B, Almawi WY. Identification of novel advanced glycation end products receptor gene variants associated with colorectal cancer in Tunisians: A case-control study. *Gene.* 2020 Sep 5;754:144893. doi: 10.1016/j.gene.2020.144893. Epub 2020 Jun 13. PMID: 32544495.
- Raguema N, Benletaifa D, Mahjoub T, Lavoie JL. Increased physical activity is correlated with improved pregnancy outcomes in women with preeclampsia: A retrospective study. *Pregnancy Hypertens.* 2020 Jul;21:118-123. doi: 10.1016/j.preghy.2020.05.005. Epub 2020 May 13. PMID: 32502931.

- Tlijani M, Sayadi M, Zribi K, Jbeli F, Zaied S, Daldoul A, Ben Salah Y, Saidani Z, Cherif A. La gestion de la douleur chez les patients atteints du cancer dans un hôpital tunisien [Pain management in cancer patients in a Tunisian hospital]. *Bull Cancer*. 2021 May;108(5):465-471. French. doi: 10.1016/j.bulcan.2020.12.013. Epub 2021 Mar 26. PMID: 33775385.
- Polyethylene glycol as a potential adjuvant treatment for COVID-19-induced ARDS
- Slim C, Zaouali MA, Nassrallah H, Ammar HH, Majdoub H, Bouraoui A, Abdennebi HB. Protective potential effects of fucoidan in hepatic cold ischemia-reperfusion injury in rats. *Int J Biol Macromol*. 2020 Jul 15;155:498-507. doi: 10.1016/j.ijbiomac.2020.03.245. Epub 2020 Mar 31. PMID: 32243932.
- Foddha H, Bouzidi N, Foddha A, Chouchene S, Touhami R, Leban N, Maatoug MF, Gamra H, Ferchichi S, Chibani JB, Khelil AH. Single nucleotide polymorphisms of SCN5A and SCN10A genes increase the risk of ventricular arrhythmias during myocardial infarction. *Adv Clin Exp Med*. 2020 Apr;29(4):423-429. doi: 10.17219/acem/116750. PMID: 32330377.
- Chkioua L, Grissa O, Leban N, Gribaa M, Boudabous H, Turkia HB, Ferchichi S, Tebib N, Laradi S. The mutational spectrum of hunter syndrome reveals correlation between biochemical and clinical profiles in Tunisian patients. *BMC Med Genet*. 2020 May 24;21(1):111. doi: 10.1186/s12881-020-01051-9. PMID: 32448126; PMCID: PMC7247178.

Liste des publications 2019

- .Lahmar R, Berny P, Mahjoub T, Ben Youssef S. Animal Pesticide Poisoning in Tunisia. *Front Vet Sci*. 2019 Nov 5;6:369. doi: 10.3389/fvets.2019.00369. eCollection 2019
- Mahjoub S, Chayeb V, Zitouni H, Ghali RM, Regaieg H, Almawi WY, Mahjoub T. IKZF1 genetic variants rs4132601 and rs11978267 and acute lymphoblastic leukemia risk in Tunisian children: a case-control study. *BMC Med Genet*. 2019 Oct 11;20(1):159. doi: 10.1186/s12881-019-0900-1. PubMed PMID: 31604453; PubMed Central PMCID: PMC6788013.
- Dallel M, Sghaier I, Finan RR, Douma Z, Hachani F, Letaifa DB, Mahjoub T, Almawi WY. Circulating leptin concentration, LEP gene variants and haplotypes, and polycystic ovary syndrome in Bahraini and Tunisian Arab women. *Gene*. 2019 Apr 30;694:19-25. doi:10.1016/j.gene.2019.01.032. Epub 2019 Feb 2. PubMed PMID:30721746.
- Ghali RM, Mahjoub S, Zaid S, Bhiri H, Bahia W, Mahjoub T, Almawi WY. Association of Genetic Variants in NF-kB with Susceptibility to Breast Cancer: a Case Control Study. *Pathol Oncol Res*. 2019 Oct;25(4):1395-1400. doi: 10.1007/s12253-018-0452-2. Epub 2018 Jul 19. PubMed PMID: 30027470.
- Foddha H, Bouzidi N, Foddha A, Touhami R, Leban N, Maatouk MF, Gamra H, Ferchichi S, Ben Chibani J, Haj Khelil A. Single nucleotide polymorphisms of SCN5A and SCN10A genes increase risk of ventricular arrhythmias during myocardial infarction. *Accepté dans le Journal: Advances in Clinical and Experimental Medicine*.
- Foddha H, Daimi H, Foddha A, Leban N, Touhami R, Gamra H, Saad A, Ben Chibani J, Haj Khelil A. Comparing the SCN5A gene sequence and expression in three different Brugada Syndrome profile patients: new insights for genotype-phenotype correlation. *En révision Dans la revue International Journal of Human Genetics*.
- Daimi H, Khelil AH, Neji A, Ben Hamda K, Maaoui S, Aranega A, Ben Chibani J, Franco D. Role of SCN5A coding and non-coding sequences in Brugada syndrome onset: What's behind the scenes? *Biomed J*. 2019. 42(4):252-260.

Liste des publications 2018

- Dhaouadi S, Mahjoub T, Drissi G, Bahri A, Mhadhbi M, Sassi L, Gharbi M. Epidemiological survey of vector-borne infections in equids from northern Tunisia.. *Rev Sci Tech.* 2018 Dec;37(3):1021-1027. doi: 10.20506/rst.37.3.2904
- Zitouni H, Raguema N, Gannoun MBA, Hebert-Stutter M, Zouari I, Maleh W, Faleh R, Letaifa DB, Almawi WY, Fournier T, Mahjoub T, Guibourdenche J. Impact of obesity on the association of active renin and plasma aldosterone concentrations, and aldosterone-to-renin ratio with preeclampsia. *Pregnancy Hypertens.* 2018 Oct;14:139-144. doi: 10.1016/j.preghy.2018.09.007. Epub 2018 Sep 27. PubMed PMID: 30527101.
- Lamine LB, Turki A, Al-Khateeb G, Sellami N, Amor HB, Sarray S, Jailani M, Ghorbel M, Mahjoub T, Almawi WY. Elevation in Circulating Soluble CD40 Ligand Concentrations in Type 2 Diabetic Retinopathy and Association with its Severity. *Exp Clin Endocrinol Diabetes.* 2018 Aug 27. doi: 10.1055/a-0647-6860. [Epub ahead of print] PubMed PMID: 30149416.
- Raguema N, Zitouni H, Ben Ali Gannoun M, Benletaifa D, Almawi WY, Mahjoub T, Lavoie JL. FAS A-670G and Fas ligand IVS2nt A 124G polymorphisms are significantly increased in women with pre-eclampsia and may contribute to HELLP syndrome: a case-controlled study. *BJOG.* 2018 Dec;125(13):1758-1764. doi: 10.1111/1471-0528.15412. Epub 2018 Sep 3
- Chayeb V, Mahjoub S, Zitouni H, Jrah-Harzallah H, Zouari K, Letaief R, Mahjoub T. Contribution of microRNA-149, microRNA-146a, and microRNA-196a2 SNPs in colorectal cancer risk and clinicopathological features in Tunisia. *Gene.* 2018 Aug 5;666:100-107. doi: 10.1016/j.gene.2018.04.084. Epub 2018 Apr 30. PubMed PMID: 29715515.
- Sellami N, Lamine LB, Turki A, Sarray S, Jailani M, Al-Ansari AK, Ghorbel M, Mahjoub T, Almawi WY. Association of VEGFA variants with altered VEGF secretion and type 2 diabetes: A case-control study. *Cytokine.* 2018 Jun;106:29-34. doi: 10.1016/j.cyto.2018.03.003. Epub 2018 Mar 10. PubMed PMID: 29533820.
- Raguema N, Gannoun MBA, Zitouni H, Meddeb S, Benletaifa D, Lavoie JL, Almawi WY, Mahjoub T. Interleukin-10 rs1800871 (-819C/T) and ATA haplotype are associated with preeclampsia in a Tunisian population. *Pregnancy Hypertens.* 2018 Jan;11:105-110. doi: 10.1016/j.preghy.2018.01.011. Epub 2018 Jan 31

- Ghali RM, Al-Mutawa MA, Al-Ansari AK, Zaid S, Bhiri H, Mahjoub T, Almawi WY. Differential association of ESR1 and ESR2 gene variants with the risk of breast cancer and associated features: A case-control study. *Gene*. 2018 Apr 20;651:194-199. doi: 10.1016/j.gene.2018.02.011. Epub 2018 Feb 4. PubMed PMID: 29414691.
- Zitouni H, Ben Ali Gannoum M, Raguema N, Maleh W, Zouari I, Faleh RE, Guibourdenche J, Almawi WY, Mahjoub T. Contribution of angiotensinogen M235T and T174M gene variants and haplotypes to preeclampsia and its severity in (North African) Tunisians. *J Renin Angiotensin Aldosterone Syst*. 2018 Jan-Mar;19(1):1470320317753924. doi: 10.1177/1470320317753924. PubMed PMID: 29366364; PubMed Central PMCID: PMC5843851.
- Dallel M, Sarray S, Douma Z, Hachani F, Al-Ansari AK, Letaifa DB, Mahjoub T, Almawi WY. Differential association of DENND1A genetic variants with polycystic ovary syndrome in Tunisian but not Bahraini Arab women. *Gene*. 2018 Mar 20;647:79-84. doi: 10.1016/j.gene.2018.01.028. Epub 2018 Jan 8. PubMed PMID: 29325736.
- Ghali RM, Al-Mutawa MA, Ebrahim BH, Jrah HH, Zaid S, Bhiri H, Hmila F, Mahjoub T, Almawi WY. Progesterone Receptor (PGR) Gene Variants Associated with Breast Cancer and Associated Features: a Case-Control Study. *Pathol Oncol Res*. 2018 Jan 4. doi: 10.1007/s12253-017-0379-z. [Epub ahead of print] PubMed PMID: 29302853.
- Almawi WY, Bahia W, Mahjoub T. Authors' reply re: Genetic variation in the progesterone receptor gene and susceptibility to recurrent pregnancy loss: a case-control study. *BJOG*. 2018 May; 125(6):761-762. doi: 10.1111/1471-0528.14995. Epub 2017 Dec 14. PubMed PMID: 29239505.
- Bahia W, Finan RR, Al-Mutawa M, Haddad A, Soua A, Janhani F, Mahjoub T, Almawi WY. *BJOG*. Genetic variation in the progesterone receptor gene and susceptibility to recurrent pregnancy loss: a case-control study. 2018 May;125(6):729-735. doi: 10.1111/1471-0528.14949. Epub 2017 Nov 13
- Turki A, Mzoughi S, Mtitaoui N, Khairallah M, Marmouch H, Hammami S, Mahjoub T, Almawi WY. *J Endocrinol Invest*. Gender differences in the association of ELMO1 genetic variants with type 2 diabetes in Tunisian Arabs. 2018 Mar;41(3):285-291. doi: 10.1007/s40618-017-0734-7. Epub 2017 Jul 27

- Hadj Abdallah N, Baulies A, Bouhleb A, Bejaoui M, Zaouali MA, Ben Mimouna S, Messaoudi I, Fernandez-Checa JC, García Ruiz C, Ben Abdennebi H. The effect of zinc acexamate on oxidative stress, inflammation and mitochondria induced apoptosis in rat model of renal warm ischemia. *Biomed Pharmacother.* 2018 Sep;105:573-581. doi: 10.1016/j.biopha.2018.06.017. Epub 2018 Jun 8. PubMed PMID: 29890465.
- Hadj Abdallah N, Baulies A, Bouhleb A, Bejaoui M, Zaouali MA, Ben Mimouna S,
- Messaoudi I, Fernandez-Checa JC, García Ruiz C, Ben Abdennebi H. Zinc mitigates renal ischemia-reperfusion injury in rats by modulating oxidative stress, endoplasmic reticulum stress, and autophagy. *J Cell Physiol.* 2018 Nov;233(11):8677-8690. doi: 10.1002/jcp.26747. Epub 2018 May 15. PubMed PMID: 29761825.
- Bouhleb A, Bejaoui M, Ben Mosbah I, Hadj Abdallah N, Ribault C, Viel R, Hentati H, Corlu A, Ben Abdennebi H. Thymoquinone protects rat liver after partial hepatectomy under ischaemia/reperfusion through oxidative stress and endoplasmic reticulum stress prevention. *Clin Exp Pharmacol Physiol.* 2018 May 7. doi: 10.1111/1440-1681.12961. [Epub ahead of print] PubMed PMID: 29733120.
- Tabka D, Bejaoui M, Javellaud J, Achard JM, Ben Abdennebi H. Angiotensin IV improves subnormothermic machine perfusion preservation of rat liver graft. *Biomed Pharmacother.* 2018 Aug;104:841-847. doi: 10.1016/j.biopha.2018.02.080. Epub 2018 Mar 31. PubMed PMID: 29609847.
- Bejaoui M, Zaouali MA, Sakly R, Ben Abdennebi H. Olprinone protects the liver from ischemia-reperfusion injury through oxidative stress prevention and protein kinase Akt activation. *Can J Physiol Pharmacol.* 2018 Mar;96(3):227-231. doi:10.1139/cjpp-2017-0153. Epub 2017 Jul 4. PubMed PMID: 28675791.

Liste des publications 2017

- Ben Ali Gannoun M, Al-Madhi SA, Zitouni H, Raguema N, Meddeb S, Hachena Ben Ali F, Mahjoub T, Almawi WY. Vascular endothelial growth factor single nucleotide polymorphisms and haplotypes in pre-eclampsia: A case-control study. *Cytokine*. 2017 Sep;97:175-180. doi: 10.1016/j.cyto.2017.06.010. Epub 2017 Jun 23. PubMed PMID: 28651127.
- Khalifa O, Balandraud N, Lambert N, Auger I, Roudier J, Sénéchal A, Geneviève D, Picard C, Lefranc G, Touitou I, Mrenda BM, Benedito C, Pardoux E, Gagez AL, Pers YM, Jorgensen C, Mahjoub T, Apparailly F. TMEM187-IRAK1 Polymorphisms Associated with Rheumatoid Arthritis Susceptibility in Tunisian and French Female Populations: Influence of Geographic Origin. *J Immunol Res*. 2017;2017:4915950. doi: 10.1155/2017/4915950. Epub 2017 Feb 8. PubMed PMID: 28271077; PubMed Central PMCID: PMC5320318.
- Bouhlel A, Ben Mosbah I, Hadj Abdallah N, Ribault C, Viel R, Mannai S, Corlu A, Ben Abdennebi H. Thymoquinone prevents endoplasmic reticulum stress and mitochondria-induced apoptosis in a rat model of partial hepatic warm ischemia reperfusion. *Biomed Pharmacother*. 2017 Oct;94:964-973. doi: 10.1016/j.biopha.2017.08.018. Epub 2017 Aug 12. PubMed PMID: 28810534.
- Zaouali MA, Panisello-Roselló A, Lopez A, Castro Benítez C, Folch-Puy E, García-Gil A, Carbonell T, Adam R, Roselló-Catafau J. Relevance of proteolysis and proteasome activation in fatty liver graft preservation: An Institut Georges Lopez-1 vs University of Wisconsin appraisal. *World J Gastroenterol*. 2017 Jun 21;23(23):4211-4221. doi: 10.3748/wjg.v23.i23.4211. PubMed PMID: 28694661; PubMedCentral PMCID: PMC5483495.
- Zaouali MA, Panisello A, Lopez A, Folch E, Castro-Benítez C, Adam R, Roselló-Catafau J. Cross-Talk Between Sirtuin 1 and High-Mobility Box 1 in Steatotic Liver Graft Preservation. *Transplant Proc*. 2017 May;49(4):765-769. doi: 10.1016/j.transproceed.2017.01.071. Erratum in: *Transplant Proc*. 2019 Mar;51(2):605. PubMed PMID: 28457391.
- Zaouali MA, Panisello A, Lopez A, Castro C, Folch E, Carbonell T, Rolo A, Palmeira CM, Garcia-Gil A, Adam R, Roselló-Catafau J. GSK3 β and VDAC Involvement in ER Stress and Apoptosis Modulation during Orthotopic Liver Transplantation. *Int J Mol Sci*. 2017 Mar 8;18(3).

pii: E591. doi: 10.3390/ijms18030591. PubMed PMID: 28282906; PubMed Central PMCID: PMC5372607

– Cherif-Sayadi A, Hadj Ayed-Tka K, Zaouali MA, Bejaoui M, Hadj-Abdallah N, Bouhlel A, Ben Abdennebi H. Nitrite enhances liver graft protection against cold ischemia reperfusion injury through a NOS independent pathway. *Libyan J Med*. 2017 Dec;12(1):1308780. doi: 10.1080/19932820.2017.1308780. PubMed PMID: 28357909; PubMed Central PMCID: PMC5418943.

– Leban N, Kaplan E, Chaloin L, Godreuil S, Lionne C. Kinetic characterization and molecular docking of novel allosteric inhibitors of aminoglycoside phosphotransferases. *Biochim Biophys Acta Gen Subj*. 2017. 1861:3464-3473.

Liste des publications 2016

- Ben Salem A, Megdich F, Kacem O, Souayah M, Hachani Ben Ali F, Hizem S, Janhai F, Ajina M, Abu-Elmagd M, Assidi M, Al Qahtani MH, Mahjoub T. Vascular endothelial growth factor (VEGFA) gene variation in polycystic ovary syndrome in a Tunisian women population. *BMC Genomics*. 2016 Oct 17;17(Suppl 9):748. PubMed PMID: 27766947; PubMed Central PMCID: PMC5073903.
- Marwa BA, Raguema N, Zitouni H, Feten HB, Olfa K, Elfeleh R, Almawi W, Mahjoub T. FGF1 and FGF2 mutations in preeclampsia and related features. *Placenta*. 2016 Jul;43:81-5. doi: 10.1016/j.placenta.2016.05.007. Epub 2016 May 12. PubMed PMID: 27324104.
- Ben Ali Gannoun M, Bourrelly S, Raguema N, Zitouni H, Nouvellon E, Maleh W, Brahim Chemili A, Elfeleh R, Almawi W, Mahjoub T, Gris JC. Placental growth factor and vascular endothelial growth factor serum levels in Tunisian Arab women with suspected preeclampsia. *Cytokine*. 2016 Mar;79:1-6. doi: 10.1016/j.cyto.2015.12.005. Epub 2015 Dec 15. PubMed PMID: 26702929.
- Ben Ali Gannoun M, Bourrelly S, Raguema N, Zitouni H, Nouvellon E, Maleh W, Brahim Chemili A, Elfeleh R, Almawi W, Mahjoub T, Gris JC. Placental growth factor and vascular endothelial growth factor serum levels in Tunisian Arab women with suspected preeclampsia. *Cytokine*. 2016 Mar;79:1-6. doi: 10.1016/j.cyto.2015.12.005. Epub 2015 Dec 15.
- Abidi E, Habib J, Yassine A, Chahine N, Mahjoub T, Elkak A. Effects of methanol extracts from roots, leaves, and fruits of the Lebanese strawberry tree (*Arbutus andrachne*) on cardiac function together with their antioxidant activity. *Pharm Biol*. 2016;54(6):1035-41. doi: 10.3109/13880209.2015.1100638. Epub 2015 Oct 29. PubMed PMID: 26511200.
- Cherif-Sayadi A, Hadj Ayed-Tka K, Bejaoui M, Ben Gdara N, Zaouali MA, Ben Abdennebi H. Effects of Nitrite Addition to IGL-1 Solution on Rat Liver Preservation. *Ann Transplant*. 2016 Sep 27;21:602-610. PubMed PMID: 27670067.
- Mahfoudh Boussaid A, Selmi R, Bejaoui M, Hadj Ayed K, Zaouali MA, Ben Abdennebi H. Effectiveness of a single versus repeated administration of trimetazidine in the protection against warm ischemia/reperfusion injury of rat liver. *Turk J Med Sci*. 2016 Jun 23; 46(4):1258-64. doi: 10.3906/sag-1505-102. PubMed PMID: 27513433.

- Denden S, Bouden B, Haj Khelil A, Ben Chibani J, Hamdaoui MH. Gender and ethnicity modify the association between the CYP1A2 rs762551 polymorphism and habitual coffee intake: evidence from a meta-analysis. *Genet Mol Res.* 2016. 4;15(2).