ماجد خميس السلماني

أستاذ مساعد

علوم الأحياء الطبية

مركز أبحاث العلوم الطبيعية والطبية

جامعة نزوى، سلطنة عمان

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موقع المكتب: Building 25B.

يعمل في الجامعة: منذ 2018

I am interested in investigating the mechanisms of ion transport across the plasma membranes of living cells. We focus on understanding the molecular defects that cause diseases such as cystic fibrosis. We employ electrophysiological, imaging and biochemical techniques to better understand the root cause of .theses conditions

المؤهلات الأكاديمية

دكتوراة، جامعة بريستول، 2017

بكلوريوس العلوم ، جامعة جلاسكو، 2010

أنشطة التدريس

Human Physiology، BIOL300

Human Physiology Laboratory, BIOL300L

Undergraduate lab projects

الأنشطة البحثية

الاهتمامات البحثية ـ

Ion channels

Channelopathies

Cystic Fibrosis

(Cystic fibrosis transmembrane conductance regulator (CFTR

Long QT syndrome

Human ether-a-go-go related gene (hERG) K+ channels

حضور المؤتمرات ـ

New Roles for Ion Channels and Transporters in Health and Disease، UK (virtual)، 02/09/2021

Electrophysiology & Imaging - a virtual Plymouth Workshop، Plymouth, UK (virtual)، 01/09/2021

Physiology 2021 meeting، UK (Virtual)، 12/07/2021

Young Physiologist meeting، Germany (Virtual)، 01/06/2021

The First Biomedical Sciences Conference in Oman، Sultan Qaboos University، 26/02/2020

16th European Cystic Fibrosis Society Basic Science Conference، Dubrovnik (Croatia)، 27/03/2019

EuroPhysiology2018، London (UK)، 13/08/2018

المنشورات ـ

مقال:

1. 2022 Multiple mechanisms underlie reduced potassium conductance in the p.T1019PfsX38 variant of hERG، Al Salmani MK, Tavakoli R, Zaman W, Al Harrasi A. Physiol Rep. 2022 Jul;10(14):e15341. doi: 10.14814/phy2.15341. PMID: 35854468; PMCID: PMC9296870.

2. 2021 Molecular epidemiology of COVID-19 in Oman: A molecular and surveillance study for the early transmission of COVID-19 in the country، Al-Mahruqi S, Al-Wahaibi A, Khan AL, Al-Jardani A, Asaf S, Alkindi H, Al-Kharusi S, Al-Rawahi AN, Al-Rawahi A, Al-Salmani M, Al-Shukri I, Al-Busaidi A, Al-Abri SS, Al-Harrasi A. Int J Infect Dis. 2021 Jan 13;104:139-149. doi: 10.1016/j.ijid.2020.12.049. Epub ahead of print. PMID: 33359061; PMCID: PMC7834852.

3. 2015 The Cystic Fibrosis Symptom Progression Survey (CF-SPS) in Arabic: A Tool for Monitoring Patient`s Symptoms، Oman Medical Journal 30, 17-25.

4. 2015 A Specific Haplotype Framework Surrounds the Omani Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Mutation S549R، Jordan Journal of Biological Sciences 8, 37 - 43.

5. 2014 Defining a mutational panel and predicting the prevalence of cystic fibrosis in Oman.، Sultan Qaboos Univ Med J. 14(3):e323-9.

قسم كتاب:

1. 2020 Molecular Physiology and Pharmacology of the Cystic Fibrosis Transmembrane Conductance Regulator، Al Salmani M.K., Sondo E., Balut C., Sheppard D.N., Singh A.K., Pedemonte N. (2020) Molecular Physiology and Pharmacology of the Cystic Fibrosis Transmembrane Conductance Regulator. In: Hamilton K.L., Devor D.C. (eds) Studies of Epithelial Transporters and Ion Channels. Physiology in Health and Disease. Springer, Cham. https://doi.org/10.1007/978-3-030-55454-5_16

2. 2014 Chapter 1: Features of the CFTR Cl- channel: relating structure to function، In ``Mutation-specific therapies in cystic fibrosis – Current status and prospects``; UNI-MED SCIENCE. Editor: Burkhard Tümmler

خدمة المجتمع

Members of Jury, Falling Walls Lab 2021 :06/09/2021

Animal ethics committee :30/05/2021

Biological ethics committee :08/11/2018

العضوية في الهيئات المهنية

The Physiological Society :الآن–2021