



CURRICULUM VITAE

CURRENT ACADEMIC INFORMATION

1. November 2020 PhD at the Department of Physiology, Anatomy and Genetics at The University of Oxford.
2. Sleep Research Assistant at the Oxford Sleep and Circadian Neuroscience Institute (from March 2019)

EDUCATION

1. Medical Doctor at the National Autonomous University of Mexico (UNAM, 2007-2013) Faculty of Medicine. GPA: 9.3 (scale of 10 and equivalent to a UK first-class grade). Honourable mention for being among the highest three GPA's of my cohort in 2010 (among more than 600 alumni).
2. Medical Internship with the Emerging Leaders in the Americas Program scholarship to the Université de Montreal.
3. Fundamental Critical Care Support (FCCS) certification.
4. ACLS Experienced provider certification.
5. MOOC of Statistics in Medicine and Scientific Writing at Stanford University.
6. Specialist in Internal Medicine. National Institute of Medical Sciences and Nutrition Salvador Zubiran. (Four years residency program between 2013 – 2017)
7. NIH Good Practices in Clinical Trials Training (2016).

WORK EXPERIENCE

1. Cellular Biology instructor at the UNAM's School of Medicine (2008 - 2009).
2. Lecturer of Integration of Basic Sciences II at the UNAM's School of Medicine (2012).
3. Lecturer of Physiology and Pharmacology for the postgraduate nurse specialisation of Adult Critical Care (2014 – 2017).
4. AHA certified instructor for BLS and ACLS instructor (2014 – 2017).
5. Human Biochemistry tutor. Wadham College, University of Oxford (TT2018) and Pembroke College, University of Oxford (TT 2020).
6. Founder and co-producer of Dr Comadre:
<https://www.facebook.com/DrComadre/>
https://www.youtube.com/channel/UCkEvgZiMMQFaBf7_qOvIH4Q,
<https://open.spotify.com/episode/6afGzVk0iTyUG5P7MLnvTG>

PREVIOUS RESEARCH EXPERIENCE

1. Laboratory of Theoretical Biology. Biomedical Research Institute, UNAM from November 2006 to May 2007. Tutors: PhD. Marco José Valenzuela y and PhD Tzipe Govenzensky. Project: Study of the Inverse Intern Symmetry and Statistical Properties of the *B. burgdorferi* genetic code.
2. Laboratory of Cellular and Tissular Biology. Faculty of Medicine, UNAM from September 2007 to June 2008. Tutor: PhD MD. Teresa I. Fortoul. Project: Myocardial Connexin-43 and N-Cadherin Alteration after Vanadium Pentoxide Inhalation).
3. Stroke Clinic at the Neurology Department of the National Institute of Medical Sciences and Nutrition Salvador Zubiran (INCMNSZ). Since January of 2010 Tutor: PhD MD Carlos Cantú Brito.
- Internal Medicine thesis with the project "Risk Factors for developing the cerebral vascular disease in patients with Systemic Lupus Erythematosus".

PUBLISHED WORK

1. Fabry's disease: Ischemic stroke in a young patient and its diagnostic approach. Rev Mex Neuroci 2010; 11(5): 359-362 <http://www.medigraphic.com/pdfs/revmexneu/rmn-2010/rmn105f.pdf>
2. Book chapter: "HIV infection and treatment" for the book: Exarmed CENETEC. First edition. Reference: carlosjgquesada@yahoo.com.mx (editor).
3. Book chapters: "Phosphorus metabolism disorders" and "Mixed acid-based disorders." Manual de Terapéutica Médica y Procedimientos de Urgencias. Sixth edition. Reference: carrillomaravillaeduardo@gmail.com (editor).
4. TEDxUNAM talk: C.U.R.A.M.E. <https://youtu.be/3U4n-FHXIIU>
5. Article "Myocardial Connexin-43 and N-Cadherin decrease during *Vanadium* inhalation". <http://www.ncbi.nlm.nih.gov/pubmed/26568576>
6. Scientific Letter: Doubt about pre operative carbohydrate supplementation: <https://onlinelibrary.wiley.com/doi/full/10.1111/anae.14618?fbclid=IwAR0vBQytb2o6523aAeDFONoNkY3LMbtFOGCogjC38aAxPn1N065-5t4x-yM>
7. Article. LRP5, Bone Density, and Mechanical Stress: A Case Report and Literature Review: <https://doi.org/10.3389/fendo.2019.00184>
8. Article. Multi-Loop Model of Alzheimer Disease: An Integrated Perspective on the Wnt/GSK3 β , α -Synuclein, and Type 3 Diabetes Hypotheses: <https://doi.org/10.3389/fnagi.2019.00184>
9. Article. Safety and tolerability of sustained exogenous ketosis using ketone monoester drinks for 28 days in healthy adults. <https://doi.org/10.1016/j.yrtph.2019.104506>
10. Article. Why a d- β -hydroxybutyrate monoester? <https://doi.org/10.1042/BST20190240>
11. Review. The Book of Why. St Anne's Academic Review (STAAR), ISSN 2048-2566 (Online). <http://st-annes-mcr.org.uk/staar/publications/spark-reviews/soto-mota-2019-the-book-of-why-review/>
12. Review: Oliver Sacks: A genius as neurologist, writer and patient. <https://doi.org/10.1016/j.bmhmx.2016.05.003>

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