

Stanford



Mena Abdelsayed

Postdoctoral Research Fellow, Cardiovascular Institute

Bio

HONORS AND AWARDS

- Wilton W. Webster Fellowship in Pediatric Electrophysiology, Heart Rhythm Society (May 2021)
- Azrieli International Postdoctoral Fellowship, The Azrieli Foundation (February 2021)
- NSERC Canada Graduate Scholarship Doctoral Award, Natural Sciences and Engineering Research Council of Canada (May 2016)
- NSERC Canada Graduate Scholarship Master Award, Natural Sciences and Engineering Research Council of Canada (May 2015)
- Graduate Fellowship Award, Simon Fraser University (September 2014)
- Travel and Minor Research Awards, Simon Fraser University (April 2014)
- Open Undergraduate Scholarship, Simon Fraser University (January 2011)
- Academic Entrance Scholarship, Simon Fraser University (May 2010)
- British Columbia Provincial Exam Scholarship, Province of British Columbia (May 2010)
- Passport to Education, Province of British Columbia (May 2010)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Simon Fraser University , Cardiac Electrophysiology (2018)
- Master of Arts, Durham University , Theology and Religion (2018)
- Bachelor of Science, Simon Fraser University , Biomedical Physiology and Kinesiology (2015)

STANFORD ADVISORS

- Mark Mercola, Postdoctoral Faculty Sponsor

Research & Scholarship

RESEARCH INTERESTS

- Philosophy
- Research Methods
- Science Education
- Secondary Education

PROJECTS

- Why do cardiomyopathy mutations cause cardiac arrhythmias? - Stanford University
- Re-engineering and repurposing drugs for cardiovascular use - Stanford University

Publications

PUBLICATIONS

- **Left Ventricular Contraction Duration Is the Most Powerful Predictor of Cardiac Events in LQTS: A Systematic Review and Meta-Analysis.** *Journal of clinical medicine*
Abdelsayed, M. n., Bytyçi, I. n., Rydberg, A. n., Henein, M. Y.
2020; 9 (9)
- **SCN5A mutations in 442 neonates and children: genotype-phenotype correlation and identification of higher-risk subgroups** *EUROPEAN HEART JOURNAL*
Baruteau, A., Kyndt, F., Behr, E. R., Vink, A. S., Lachaud, M., Joong, A., Schott, J., Horie, M., Denjoy, I., Crotti, L., Shimizu, W., Bos, J. M., Stephenson, et al
2018; 39 (31): 2879-+
- **Arrhythmogenic triggers associated with Sudden Cardiac Death.** *Channels (Austin, Tex.)*
Abdelsayed, M. n., Peters, C. H., Ruben, P. C.
2018; 12 (1): 76-77
- **A Mixed Periodic Paralysis & Myotonia Mutant, P1158S, Imparts pH-Sensitivity in Skeletal Muscle Voltage-gated Sodium Channels.** *Scientific reports*
Ghovanloo, M. R., Abdelsayed, M. n., Peters, C. H., Ruben, P. C.
2018; 8 (1): 6304
- **The efficacy of Ranolazine on E1784K is altered by temperature and calcium.** *Scientific reports*
Abdelsayed, M. n., Ruprai, M. n., Ruben, P. C.
2018; 8 (1): 3643
- **Differential calcium sensitivity in NaV 1.5 mixed syndrome mutants.** *The Journal of physiology*
Abdelsayed, M. n., Baruteau, A. E., Gibbs, K. n., Sanatani, S. n., Krahn, A. D., Probst, V. n., Ruben, P. C.
2017; 595 (18): 6165-86
- **Triggers for arrhythmogenesis in the Brugada and long QT 3 syndromes.** *Progress in biophysics and molecular biology*
Peters, C. H., Abdelsayed, M. n., Ruben, P. C.
2016; 120 (1-3): 77-88
- **Exome Sequencing and the Management of Neurometabolic Disorders.** *The New England journal of medicine*
Tarailo-Graovac, M. n., Shyr, C. n., Ross, C. J., Horvath, G. A., Salvarinova, R. n., Ye, X. C., Zhang, L. H., Bhavsar, A. P., Lee, J. J., Drögemöller, B. I., Abdelsayed, M. n., Alfadhel, M. n., Armstrong, et al
2016; 374 (23): 2246-55
- **Effects of Amiodarone and N-desethylamiodarone on Cardiac Voltage-Gated Sodium Channels.** *Frontiers in pharmacology*
Ghovanloo, M. R., Abdelsayed, M. n., Ruben, P. C.
2016; 7: 39
- **Loss-of-function mutations in SCN4A cause severe foetal hypokinesia or 'classical' congenital myopathy.** *Brain : a journal of neurology*
Zaharieva, I. T., Thor, M. G., Oates, E. C., van Karnebeek, C. n., Henderson, G. n., Blom, E. n., Witting, N. n., Rasmussen, M. n., Gabbett, M. T., Ravenscroft, G. n., Sframeli, M. n., Suetterlin, K. n., Sarkozy, et al
2016; 139 (Pt 3): 674-91
- **Differential thermosensitivity in mixed syndrome cardiac sodium channel mutants.** *The Journal of physiology*
Abdelsayed, M. n., Peters, C. H., Ruben, P. C.
2015; 593 (18): 4201-23
- **Voltage-gated sodium channels: pharmaceutical targets via anticonvulsants to treat epileptic syndromes.** *Channels (Austin, Tex.)*
Abdelsayed, M. n., Sokolov, S. n.
2013; 7 (3): 146-52
- **A thermosensitive mutation alters the effects of lacosamide on slow inactivation in neuronal voltage-gated sodium channels, NaV1.2.** *Frontiers in pharmacology*
Abdelsayed, M. n., Sokolov, S. n., Ruben, P. C.
2013; 4: 121