



جامعة العلوم والتقنية في الفجيرة
UNIVERSITY OF SCIENCE & TECHNOLOGY OF FUJAIRAH

CURRICULUM VITAE

PERSONAL INFORMATION				
Name:	Dr. Ye Wint Oo			
Nationality:	Myanmar			
Job Title:	Assistant Professor of Physiology & Anatomy			
College:	Dentistry			
Department:	Physiology & Anatomy			
Contact Information:	E-mail, y.wint@ustf.com Office Phone No, +971 9 222 2644 (Ext: 504)			
EDUCATIONAL BACKGROUND				
1. Doctorate: Major: Human Physiology Title of the Thesis: Effects of Calmodulin on function of the cardiac and skeletal ryanodine receptors University: The university of Newcastle Country: Australia Year: 2016				
2. Master: Major: Physiology Title of the Thesis: Effects of female sex hormones on myocardial stiffness in diabetic ovariectomized rats University: Mahidol University Country: Thailand Year: 2009				
3. Bachelor: University: The university of Medical Technology, Mandalay Country: Myanmar Year: 2005				
PROFESSIONAL EXPERIENCE				
From (year)	To (year)	Position	Employer	Country
2021	Now	Assistant Professor of Physiology and Anatomy	University of Science and Technology of Fujairah	United Arab Emirates
2020	2021	Postdoctoral Research Associate	Baylor College of Medicine	The United States of America
2017	2019	Assistant Professor of Physiology	Gulf Medical University	United Arab Emirates
2011	2012	Research Assistant	National University of Singapore	Singapore
TEACHING EXPERIENCE AREA / COURSES)				
Anatomy and Medical Physiology for Dental and Pharmacy Programme				
RESEARCH AREA				
<p>My research area includes clinical research (cardiovascular and metabolic diseases) and electrophysiology in particular, ryanodine receptor from both skeletal and cardiac muscle. He used the sophisticated experimental techniques in which single molecules are reconstituted into artificial lipid bilayers where the effects of drugs and other endogenous compounds are directly measured. I discovered that Calmodulin facilitates the action of two clinically important drugs (namely dantrolene and flecainide) that inhibit the ryanodine receptors.</p>				
PUBLICATIONS				

1. JOURNALS

- **Oo, Y. W.**, van Helden, D. F., Imtiaz, M. S., Laver, D. R. Inhibitory effects of dantrolene on skeletal ryanodine receptor. *Anesthesiology Journal* (Manuscript under preparation)
- Kafa Walweel, Nieves Gomez-Hurtado, Robyn T Rebbeck, **Ye Wint Oo**, Nicole A Beard, Peter Molenaar, Cris dos Remedios, Dirk F van Helden, Razvan L Cornea, Björn C Knollmann, Derek R Laver. Calmodulin inhibition of human RyR2 channels requires phosphorylation of RyR2-S2808 or RyR2-S2814. *J.Mol.Cell.Cardiol.*130 (2019) 96-106
- Walweel K, Gomez-Hurtado N, **Oo YW**, Beard NA, Dos Remedios C, Johnson CN, Chazin WJ, van Helden DF, Knollmann BC, Laver DR. Calmodulin Mutants Linked to Catecholaminergic Polymorphic Ventricular Tachycardia Fail to Inhibit Human RyR2 Channels. *J Am Coll Cardiol.* 2017 Jul 4; 70(1):115-117.
- Walweel K, **Oo YW**, Laver DR (2017). The emerging role of calmodulin regulation of RyR2 in controlling heart rhythm, the progression of heart failure and the antiarrhythmic action of dantrolene. *Clin Exp Pharmacol Physiol*, 44(1):135-142.
- **Oo, Y. W.**, Gomez-Hurtado, N., Walweel, K., van Helden, D. F., Imtiaz, M. S., Knollmann, B. C., & Laver, D. R. (2015). Essential role of Calmodulin in RyR inhibition by dantrolene. *Molecular Pharmacology*, 88(1), 57-63.
- Bupha-Intr, T., **Oo, Y. W.**, & Wattanapermpool, J. (2011). Increased myocardial stiffness with maintenance of length-dependent calcium activation by female sex hormones in diabetic rats. *American Journal of Physiology-Heart and Circulatory Physiology*, 300(5), H1661-H1668.

2. CONFERENCES

- **Y.W. Oo (Keynote Speaker)**, “Is there any wall between dentistry and biomedical sciences” 1st International Dental Conference (March 7, 2019 – March 8, 2019) in Chennai, India
- **Y.W. Oo**, D.F. vanHelden , M. S. Imtiaz, and D.R. Laver “Inhibitory effect of dantrolene on skeletal muscle RyR in the presence of calmodulin” AuPS meeting (Nov 29, 2015- Dec 02, 2015) in Hobart, Tasmania, Australia
- **Y.W. Oo**, N. Gomez-Hurtado, D.F. vanHelden , M. S. Imtiaz , B.C. Knollmann and D.R. Laver “Dantrolene inhibition of RyR2 requires calmodulin” Gordon Research Seminar (May 30, 2015- May 31, 2015) in Newry, Maine, USA
- **Y.W. Oo**, D.F. vanHelden , M. S. Imtiaz , B.C. Knollmann and D.R. Laver “Inhibitory effect of dantrolene on cardiac RyR2 in the presence of calmodulin” AuPS meeting (Nov 30, 2014- Dec 3, 2014) in Brisbane, Australia
- **Y.W. Oo**, D.F. vanHelden , M. S. Imtiaz , and D.R. Laver “Dantrolene inhibition of skeletal muscle RyR in the presence of CaM” Biophysical Society 60th Annual Meeting (Feb 27, 2016 - Mar 2, 2016) in Los Angeles, CA, USA.
- **Y.W. Oo**, N. Gomez-Hurtado, D.F. vanHelden , M. S. Imtiaz , B.C. Knollmann and D.R. Laver “Dantrolene inhibition of RyR requires calmodulin” Gordon Research Conference (May 31, 2015- June 6, 2015) in Newry, Maine, USA
- **Y.W. Oo**, D.F. vanHelden , M. S. Imtiaz , B.C. Knollmann and D.R. Laver “Dantrolene inhibition of RyR2 requires calmodulin” Biophysical Society 59th Annual Meeting (Feb 7, 2015- Feb 11, 2015) in Baltimore, MD, USA.
- **Y.W. Oo**, D.F. vanHelden , M. S. Imtiaz and D.R. Laver

“Effects of calmodulin on calcium activation of cardiac ryanodine receptor”

IUPAB congress (Aug 3, 2014- August 7, 2014) in Brisbane, Australia

3. BOOKS AND BOOK CHAPTERS

4. NOTES AND ARTICLES

5. OTHER PUBLICATIONS

PROFESSIONAL AND ACADEMIC ACTIVITIES

1. Professional Training (conductance and attendance)

2. Workshops and seminars (conductance and attendance)

3. Master Theses Supervision

4. Doctorate Theses Supervision

MEMBERSHIP OF SCIENTIFIC ASSOCIATIONS

AWARDS

1. Best paper of the Month (April 2015)

School of Biomedical Sciences and Pharmacy, University of Newcastle, Australia

“Essential Role of Calmodulin in RyR Inhibition by Dantrolene” Ye Win Oo, Gomez-Hurtado N, Walweel K, van Helden DF, Imtiaz MS, Knollmann BC, Laver DR. *Molecular pharmacology* 88, 57-63 (2015).

2. University of Newcastle International Postgraduate Research Scholarship (UNIPR) (September 2012-December 2016)

3. University of Newcastle Postgraduate Research Scholarship (UNRS external) (September 2012-December 2016)