



جامعة العلوم والتقنية في الفجيرة
University of Science and Technology of Fujairah

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Dr. Ye Wint Oo
Nationality: Myanmar
Job Title: Assistant Professor of Physiology & Anatomy
Marital Status: Married
College: Dentistry
Department: Physiology & Anatomy
Date of Birth: 21/06/1982
Moile Number: +971561824384
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EDUCATIONAL BACKGROUND

1. Doctorate

University: The University of Newcastle
Country: Australia
Date of Obtaining degree: 19/12/2016
Major: Human Physiology
Minor:
Title: Effects of Calmodulin on function of the cardiac and skeletal ryanodine receptors

2. Master

University: Mahidol University
Country: Thailand
Date of Obtaining degree: 2/09/2009
Major: Physiology
Minor:
Title: Effects of female sex hormones on myocardial stiffness in diabetic ovariectomized rats

3. Bachelor

University: The University of Medical Technology, Mandalay
Country: Myanmar
Date of Obtaining degree: 15/01/2005

COMPUTER SKILLS

MS Word	<input type="checkbox"/> Beginner	<input type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced
MS Excel	<input type="checkbox"/> Beginner	<input type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced
MS Power Point	<input type="checkbox"/> Beginner	<input type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced
MS Outlook	<input type="checkbox"/> Beginner	<input type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced
Internet	<input type="checkbox"/> Beginner	<input type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced

LANGUAGE SKILLS

Arabic	<input checked="" type="checkbox"/> Beginner	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Advanced
English	<input type="checkbox"/> Beginner	<input type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced
Other, specify (Burmese)	<input type="checkbox"/> Beginner	<input type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Advanced

PROFESSIONAL EXPERIENCE

From (year)	To (year)	Position	Employer	Country
2021	NOW	Assistant Professor of Physiology and Anatomy	University of Science and Technology, 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

EDUCATIONAL EXPERIENCE

Academic Year	Course Title	University
2017-2018	Principles of Human Anatomy and Physiology PS131,PS133 (College of Pharmacy)	Gulf Medical University, Ajman, UAE
	Human Physiology HPH 102 (College of Dentistry)	
	Cardiovascular system MED203 (College of Medicine)	
2018-2019	Human Physiology HPH 102 (College of Dentistry)	Gulf Medical University, Ajman, UAE
	Human Physiology PT-HP101 (College of Health Sciences)	
	Cardiovascular system MED203 (College of Medicine)	
2019-2020	Human Physiology HPH 102 (College of Dentistry)	Gulf Medical University, Ajman, UAE
	Human Physiology PT-HP101 (College of Health Sciences)	
	Cardiovascular system MED203 (College of Medicine)	
	Internal and external environment MED 107 (College of Medicine)	

PUBLICATIONS

1. Books

2. Book Chapters

3. Journal Articles

1. **Oo, Y. W.**, van Helden, D. F., Imtiaz, M. S., Laver, D. R. Inhibitory effects of dantrolene on skeletal ryanodine receptor.
Anaesthesiology Journal (Manuscript under preparation)
2. 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
3. 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.
4. 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.
5. **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.
6. Bupha-Intr, T., **Oo, Y. W.**, & Wattanapernpool, 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.

4. Conferences

Conference Oral Presentations:

1. **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
2. **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
3. **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

4. **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

Conference Poster Presentations:

1. **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.
2. **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
3. **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.
4. **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

PROFESSIONAL AND ACADEMIC ACTIVITIES

1. Professional Training

3. Master Theses Supervision

4. Doctorate Theses Supervision

MEMBERSHIP OF PERIODICALS AND SCIENTIFIC JOURNALS

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)