



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  
Marital Status: Married  
College: Dentistry  
Department: Physiology & Anatomy  
Date of Birth: 21/06/1982  
Moile Number: +971561824384  
E-mail: yewintoo@gmail.com

### 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	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
2016	2017	Postdoctoral Research Associate	University of Medicine	Myanmar
2011	2012	Research Assistant	National University of Singapore	Singapore

## EDUCATIONAL EXPERIENCE

Academic Year	Course Title	Academic Year	Course Title
2012-2016	Doctor of Philosophy		Human Physiology
2007-2009	Master of Science		Physiology
2000-2004	Bachelor of Medical Technology		Physiotherapy

## 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 Rebeck, **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”  
1<sup>st</sup> 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 60<sup>th</sup> 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 59<sup>th</sup> 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)