

Curriculum Vitae**FRANCIS M CHEN****CURRENT POSITION, TITLE AND PROFESSIONAL ADDRESS:**

Ph.D. Candidate
The Chinese University of Hong Kong
School of Life Sciences
505 Mong Man Wai Building
Shatin, New Territories, Hong Kong SAR

EDUCATION:

2016-Present	Ph.D., The Chinese University of Hong Kong, Hong Kong Cell and Molecular Biology
2014-2015	M.Eng., Cornell University, Ithaca, New York Biomedical Engineering
2006-2010	B.Sc., University of California, Berkeley, Berkeley, California Bioengineering

PROFESSIONAL HISTORY AND EXPERIENCE

08/2016 – Present	Ph.D. Candidate
08/2015 – 08/2016	Research Associate Cornell University
08/2014 – 08/2015	M.Eng. Graduate Student Thesis: Differential regulation of tetraspanin family protein expression and function in young compared to aged satellite cells (Laboratory of Benjamin D. Cosgrove, Ph.D.) Cornell University
05/2011 – 08/2014	Staff Research Associate II Laboratory of Ajay Chawla, MD/Ph.D. University of California, San Francisco
09/2009-02/2011	Undergraduate Researcher Laboratory of Irina Conboy, Ph.D. University of California, Berkeley

RESEARCH INTERESTS:

1. Stem cell biology with respect to injury and aging
2. Immune and metabolic determinants in injury and aging
3. Human induced pluripotent stem cell as model systems for injury and aging

HONORS AND AWARDS:

- 2019 Hong Kong Inter-University Postgraduate Symposium in Biochemical Sciences Organizing Committee, The Chinese University of Hong Kong, Hong Kong SAR, China
- 2018 Best Presenter Award, SKLA/IPMBAB Seminar Series, Hong Kong SAR, China
- 2018 ATVB Travel Award for Young Investigators, Vascular Discovery: From Genes to Medicine 2018 Scientific Sessions (ATVB/PVD), San Francisco, California, U.S.A.
- 2017 1ST Place Poster Winner, Conference for Cardiovascular Calcium Signaling Pathway: Role in Health and Disease, Hong Kong SAR, China
- 2017 Hong Kong Inter-University Postgraduate Symposium in Biochemical Sciences Organizing Committee, University of Hong Kong, Hong Kong SAR, China
- 2011 Berkeley Big Ideas Winner, Berkeley
- 2010 UC Berkeley Bioengineering Honor Society
- 2008 Gamma Delta Sigma (Honor Society)

PROFESSIONAL ACTIVITIES:

Society Memberships

1. Member, American Heart Association (2018-Present): ID: 236957775
2. Member, Chinese Association for Physiological Sciences (2018-Present)

PUBLICATIONS (chronological order):

1. Lei, Z., Tian, X.Y., Chan, C., Bai, Q., Cheng, C.K., **Chen, F.M.**, Cheung, M., Yin, B., Yang, H., Yung, W.Y., Chen, Z., Ding, F., Leung, K., Zhang, C., Huang, Y., Wong, J.Y., Choi, C.H.J. "Promoting the delivery of nanoparticles to atherosclerotic plaques by DNA coating". *ACS Appl. Mater. Interfaces*. 2018
2. Chen, Z.S., Li, L., Peng, S., **Chen, F.M.**, Zhang, Q., An, Y., Lin, X., Li, W., Koon, A.C., Chan, T., Lau, K., Ngo, J.C.K., Wong, W.T., Kwan, K.M., Chan, H.Y.E. "Planar cell polarity gene *Fuz* triggers apoptosis in neurodegenerative diseases". *EMBO Reports*. e5409. 2018
3. *Zhichao, L., *Zhaoyue M., Jun, L., **Chen, F.M.**, Wong, W.T., Tse, G., Changbo, Z., Keung, W., Tse, K., Li, R.A., Liwen, J., Xiaoqiang, Y. "TRPV6 protects ER stress-induced apoptosis via ATF6 α -TRPV6-JNK pathway in human embryonic stem cell-derived cardiomyocytes" *Journal of Molecular and Cellular Cardiology*. **120**; 1-11. 2018
4. **Chen, F.M.**, Tse, G., Ma, S., Sayed, N., Wong, W.T.. "Getting to the heart of the matter: a perspective on cardiomyocyte biology". *Annals of Vascular Medicine and Research*. 4(4): 1067. 2017
5. *Heredia, J., *Mukundan, L., **Chen, F.M.**, Mueller, A.A., Deo, R., Locksley, R.M., Rando, T.A., Chawla, A. "Type 2 innate signals stimulate fibro/adipogenic progenitors to facilitate muscle regeneration". *Cell*. 153(2): 376-88. 2013

CONFERENCES (chronological order):

1. Hong Kong Inter-University Biochemical Symposium, Chinese University of Hong Kong, Hong Kong. 2019.
2. SKLA/IPMBAB Seminar Series, Hong Kong SAR, China. 2018. Oral Presentation
3. 25th Congress of Chinese Association for Physiological Sciences, Nanchang, China. 2018. Poster Presentation
4. Hong Kong Inter-University Biochemical Symposium, Hong Kong University of Science and Technology, Hong Kong. 2018. Poster Presentation
5. Joint Conference on Clinical and Translational Cardiology (CTCC), Hong Kong. 2018. Poster Presentation
6. Metabolic Vascular Disease Symposium, Chinese American Academy of Cardiology (CAAC) and Chinese Society for Vascular Medicine (CSVM), San Francisco, California. 2018. Poster Presentation
7. Vascular Discovery: From Genes to Medicine 2018 Scientific Sessions (ATVB/PVD), San Francisco, California. 2018. Poster Presentation
8. Conference for Cardiovascular Calcium Signaling Pathway: Role in Health and Disease, Hong Kong. 2018. Poster Presentation
9. Hong Kong Inter-University Biochemical Symposium, University of Hong Kong, Hong Kong. 2017. Poster Presentation
10. Cornell Stem Cell Retreat, Cornell, Ithaca, New York, U.S.A. 2016. Poster Presentation