

# Stanford

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## Hyun Tae Hwang

Postdoctoral Research Fellow, Immunology and Rheumatology

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Davis (2017)
- Diploma, Fremont High School (2005)
- Bachelor of Science, University of California Davis (2010)

#### STANFORD ADVISORS

- Cornelia Weyand, Postdoctoral Research Mentor
- Cornelia Weyand, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **IMPAIRED BIOENERGETICS IN RIGHT VENTRICULAR FAILURE IS ASSOCIATED WITH LIPID PEROXIDATION AND DECREASED MITOCHONDRIAL DYNAMICS**  
Hwang, H., Sandeep, N., Zhao, M., Hu, D., Lan, I., Coronado, M., Kooiker, K., Fajardo, G., Bernstein, D., Reddy, S.  
ELSEVIER SCIENCE INC.2019: 648
- **Impaired proteostasis in senescent vascular endothelial cells: a perspective on estrogen and oxidative stress in the aging vasculature** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*  
Hwang, H., Lin, Y., Rehuffatti, M. N., Tran, D. T., Lee, L., Gomes, A., Li, C., Knowlton, A. A.  
2019; 316 (2): H421–H429
- **Investigation of quercetin and hyperoside as senolytics in adult human endothelial cells** *PLOS ONE*  
Hwang, H. V., Tran, D. T., Rebuffatti, M. N., Li, C., Knowlton, A. A.  
2018
- **11,12-Epoxyecosatrienoic acids mitigate endothelial dysfunction associated with estrogen loss and aging: Role of membrane depolarization** *JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY*  
Sun, C., Simon, S. I., Foster, G. A., Radecke, C. E., Hwang, H. V., Zhang, X., Hammock, B. D., Chiamvimonvat, N., Knowlton, A. A.  
2016; 94: 180-188

#### PRESENTATIONS

- Impaired Mitochondrial Substrate Delivery Leads to the Chronic Energy Deficit in Right Ventricular Hypertrophy and Failure - Stanford University (3/26/2018)
- Impaired Mitochondrial Substrate Delivery Leads to the Chronic Energy Deficit in Right Ventricular Hypertrophy and Failure - Stanford University. 9th Annual Pediatrics Research Retreat (4/26/2018)
- Impaired Mitochondrial Respiration Precedes Clinical Heart Failure in Right Ventricular Pressure Overload - Stanford University, Stanford-Duke Cardiovascular Research Symposium (11/29/2018 - 11/30/2018)
- Impaired Mitochondrial Respiration Precedes Clinical Heart Failure in Right Ventricular Pressure Overload - American Heart Association, Scientific Sessions (11/10/2018 - 11/12/2018)
- Impaired Mitochondrial Respiration Precedes Clinical Heart Failure in Right Ventricular Pressure Overload - Keystone Symposia, Mitochondrial Biology in Heart and Skeletal Muscle (1/13/2019 - 1/17/2019)