***Kai-Chien Yang, M.D., Ph.D.***
Department and Graduate Institute of Pharmacology, College of Medicine
National Taiwan University
No. 1, Sec. 1, Ren-ai Rd., Jhongjheng District, Taipei 10051, Taiwan
Phone No.: 02-23123456 ext.88327
Fax No.: 02-23210976
E-mail: allenmy0920@gmail.com
Web: https://www.mc.ntu.edu.tw/pharmacology/Vcard.action?q_type=-1&q_itemCode=454

**Education**

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| 1994-2000 | M.D. National Taiwan University, Taipei, Taiwan |
| 2003-2005 | M.Sc., Medical Sciences, National Taiwan University, Taipei, Taiwan |
| 2007-2012 | Ph.D., Molecular Genetics and Genomics, Division of Biology and Biomedical Sciences, Washington University, St Louis, MO, USA |

**Research and Professional Positions Held in Chronological Sequence**

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|---|---|
| 2000-2003 | Residency in Internal Medicine. Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan |
| 2003-2005 | Clinical Fellowship in Cardiology. Division of Cardiology, Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan |
| 2005-2007 | Attending Physician and Lecturer, Division of Cardiology, Department of Internal Medicine, E-Da Hospital, Kaohsiung, Taiwan |
| 2012-2014 | Post-Doctoral Research Associate, Samuel Dudley's lab, Section of Cardiology, Department of Medicine, University of Illinois at Chicago/Brown University |
| 2014-2019 | Assistant Professor, Graduate Institute of Pharmacology, National Taiwan University, Taipei, Taiwan |
| 2014- | Attending Physician, Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan |
| 2019-2022 | Associate Professor, Graduate Institute of Pharmacology, National Taiwan University, Taipei, Taiwan |
| 2020 Aug- | Joint Associate Research Fellow, Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan |
| 2021 Aug- | Deputy director, Center for Frontier Medicine, National Taiwan University Hospital |
| 2022 Aug- | Professor, Graduate Institute of Pharmacology, National Taiwan University |

**Research Interests**

1. Role of long noncoding RNA in Cardiovascular Diseases
2. Pathogenesis and molecular mechanisms of cardiac and organ fibrosis
3. Cardiac inflammation and regeneration

**Major Honors and Awards**

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|---|---|
| 2007-2009 | Ministry of Education Scholarship for Study Abroad, Taiwan |
| 2009-2011 | Predoctoral Fellowship Award, American Heart Association Midwest Affiliation |

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| 2012 | Council on Basic Cardiovascular Sciences Abstract Travel Award, American Heart Association |
| 2013-2014 | Postdoctoral Fellowship Award, American Heart Association Midwest Affiliation |
| 2014 | Benjamin N. Chiang Outstanding Young Investigator Award in Cardiovascular Medicine Research |
| 2016 | First Prize, Award of Basic Science Paper Competition, Taiwan Society of Cardiology |
| 2017 | -First Prize, Young Investigator Award of the 47th Annual Convention & Scientific Session of the Taiwan Society of Cardiology |
| 2019 | -Outstanding Biomedical Research Award by Ching-Shin Foundation<br>- Dean Cheng-Yuan Lee Memorial Research Award, NTU School of Medicine<br>- Outstanding Research Award for Junior Faculty, NTU Hospital |
| 2021 | Outstanding Research Award, Taiwan Ministry of Science and Technology<br>Wu Ho-Su TBF Medical Award |
| 2022 | The 18th Tien Te Lee Biomedical Awards |
| 2023 | Outstanding Research Award, National Taiwan University Hospital |
| 2024 | Elected Fellow of European Society of Cardiology (FESC)<br>International Visiting Professorship Award, American Heart Association<br>Outstanding Investigator Award, Taiwan Society of Lipids & Atherosclerosis<br>Taiwan Bio-development Foundation (TBF) Chair Professor Award |
| 2025 | Outstanding Research Award, National Science and Technology Council, Taiwan |

**Selective Recent Representative Publications**

- YW Tsai et al and **KC Yang***. N-Cadherin Promotes Cardiac Regeneration by Potentiating Promitotic β-Catenin Signaling in Cardiomyocytes. ***Nature Communications*** 2025 Jan 21;16(1):896 (**Corresponding author**).
- CT Hung, TH Su, YT Chen, YF Wu, YT Chen, SJ Lin, SL Lin, **KC Yang***. Targeting ER Protein TXNDC5 in Hepatic Stellate Cell Mitigates Liver Fibrosis by Repressing Non-Canonical TGFβ Signaling. ***Gut*** 2022 Sep;71(9):1876-1891. (**Corresponding author**)
- CF Yeh et al and **KC Yang*.** Targeting Mechano-sensitive Endothelial TXNDC5 to Stabilize eNOS and Reduce Atherosclerosis in vivo. ***Science Advances*** 2022 Jan 21; 8(3):eabl8096 (**Co-corresponding author**)
- YT Chen et al and **KC Yang***. Endoplasmic Reticulum Protein TXNDC5 Promotes Renal Fibrosis by Enforcing TGFβ Signaling in Kidney Fibroblasts. ***Journal of Clinical Investigation*** 2021 (Accepted). (**Corresponding author**)
- TH Lee et al and **KC Yang***. Fibroblast-enriched Endoplasmic Reticulum Protein TXNDC5 Promotes Pulmonary Fibrosis by Augmenting TGFβ Signaling through TGFBR1 Stabilization. ***Nature Communications*** 2020 Aug 26; 11(1):4254. (**Corresponding author**).
- YC Shih et al and **KC Yang***. Endoplasmic Reticulum-Resident Protein TXNDC5 Augments Myocardial Fibrosis by Facilitating Extracellular Matrix Protein Folding and Redox-Sensitive Cardiac Fibroblast Activation. ***Circulation Research*** 2018; 122(8):1052-1068 (**Corresponding author**).