



## Etienne Wang Cho Ee

Senior Consultant, NSC  
Adjunct Scientist, SRIS

### Research Interests:

- Hair Diseases
- Hair Cycling
- Immunology and Stem Cells

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### Biography

Etienne Wang is a senior consultant at the National Skin Center (NSC) of Singapore, where he is a Clinician-Scientist, with a special interest in Hair and Adnexal Disorders. After completing his dermatology residence in 2013, he obtained his Ph.D under the mentorship of Dr Angela Christiano at Columbia University studying the mammalian hair cycle and the role of immune cells in it. His graduate studies were funded by the National Medical Research Council (NMRC) of Singapore. He defended his thesis in March 2018 and has returned to begin Basic and Translational Research at NSC and the Skin Research Institute of Singapore (SRIS), with a focus on hair loss disorders, human hair follicle (HF) cycling, and the role of immune cells on the HF niche. He was awarded the Transition Award by NMRC in 2023 for his work on the Efficacy and Mechanism of Controlled Microtrauma on Human Hair Regrowth and Regeneration.

### Selected Publications

- Wang ECE, Harel S, Christiano AM. JAK-STAT Signaling Jump Starts the Hair Cycle. *J Invest Dermatol.* 2016; 136(11):2131-2132.
- Wang ECE, Harris JE, Christiano AM. Topical JAK Inhibitors for the Treatment of Alopecia Areata and Vitiligo. *Current Derm Rep.* 2017; 6(1):1–6.
- Wang ECE, Christiano AM. The Changing Landscape of Alopecia Areata: The Translational Landscape. *Adv Ther.* 2017; 34(7):1586-1593.
- Wang ECE, Christiano AM. Novel Therapies for Alopecia Areata. *J Allergy Clin Invest.* 2018; 141(2):499-504.

- Abaci HE, Coffman A, Doucet Y, Chen J, Jacków J, Wang ECE, Guo Z, Shin JU, Jahoda CA, Christiano AM. TissueEngineering of human hair follicles using a biomimetic developmental approach. *Nature Communications*. 2018; 9(1):5301.
- Wang ECE, Dai Z, Ferrante AW, Drake CG, Christiano AM. A Subset of TREM2+ Dermal Macrophages Secretes Oncostatin M to Maintain Hair Follicle Stem Cell Quiescence and Inhibit Hair Growth. *Cell Stem Cell*. 2019; 24(4):654-669.
- Foo HL, Lee JSS, Wang ECE. Discoid lupus erythematosus precipitated by topical diphencyprone immunotherapy for alopecia areata. *JAAD Case Reports*. 2020; 6:747-50.
- Choi EC, Zhao X, Lee JSS, Wang ECE. Patient characteristics, expectations and willingness to pay for hair loss therapies: A survey of 1561 participants at a tertiary dermatological referral center in Singapore. *Australasia J Dermatol*. 2020. doi: 10.1111/ajd.13329.
- Vonica A, Bhat N, Phan K, Guo J, Iancu L, Weber JA, Karger A, Cain JW, Wang ECE, DeStefano GM, O'Donnell-Luria AH, Christiano AM, Riley B, Butler SJ, Luria V. Apccdd1 Is a Dual BMP/Wnt Inhibitor in the Developing Nervous System and Skin. *Dev Biol*. 2020; 464(1):71-87.
- Wang ECE, Higgins CA. Immune cell regulation of the hair cycle. *Exp Dermatol*. 2020; 29(3).

#### Notable Research/Innovation Awards & Grants from Past 5 Years

Name of Awards & Grants	Year Obtained
NHG-LKCMedicine Clinician-Scientist Career Scheme (CSCS)	2019
NMRC Transition Award	2023