

## Chun Kwok WONG

- (i) Name: Chun Kwok WONG ORCID iD: 0000-0002-5637-8331

Website: <https://www.cuhk.edu.hk/med/cpy/Research/ChunKwokWong.htm>

- (ii) Academic qualifications:

BSc (Hons) in Biochemistry (CUHK, 1988)

MPhil in Biochemistry (CUHK, 1990)

PhD in Immunology (CUHK, 1993)

FRSB (UK, 2019)

- (iii) Previous academic positions held (in reversed chronological order):

February 2001 - July 2009 Associate Professor, Department of Chemical Pathology, CUHK

July, 2000 - January 2001 Scientific Officer, Department of Chemical Pathology, CUHK

August 1997 - June 2000 Postdoctoral Fellow, Department of Chemical Pathology, CUHK

August 1994 - July 1997 Postdoctoral Fellow, Harvard Medical School, Boston, U.S.A.

July 1993 - July 1994 Research Associate, Department of Biochemistry, CUHK

- (iv) Present academic positions:

Since August 2009 Professor, Department of Chemical Pathology, CUHK

Since August 2013 Director, Institute of Chinese Medicine, CUHK

- (v) Relevant research work: cytokine research, signaling mechanisms, allergic inflammation and eosinophil biology

Web of Science Core Collection: **Total number of SCI indexed papers = 285, h-index = 54**

- (vi) Publication records: - Five most representative publications in recent five years (2020-22)

1. Gao X, Leung TF, Wong GW, Ko WH, Cai M, He EJ, Chu IM, Tsang MS, Chan BC, Ling J, Fan X, Lu L, Lam CW and **Wong CK (correspondence author)**. Meteorin- $\beta$ /Meteorin like/IL-41 attenuates airway inflammation in house dust mite-induced allergic asthma **Cell Mol Immunol** 2022; 19:245-259. (IF: 22.1)
2. Hou T, Tsang MSM, Chu IM, Kan LL, Hon KL, Leung TF, Lam CWK and **Wong CK (correspondence author)**. Skewed Inflammation is Associated with Aberrant Interleukin-37 Signaling Pathway in Atopic Dermatitis. **Allergy** 2021; 76: 2102-2114. (IF: 14.71)
3. Lui G, **Wong CK (Equal first author)**, Chan M, Chong KC, Wong R, Chu I, Zhang M, Li T, Hui D, Lee N, Chan P. Host inflammatory response is the major marker of severe respiratory syncytial virus infection in older adults. **J. Infection**. 2021; 83:686-692. (IF: 38.637)
4. Gao X, Chan PKS, Lui GCY, Hui DSC, Chu IM, Sun X, Tsang MSM, Chan BCL, Lam CWK and **Wong CK (correspondence author)**. Interleukin-38 Ameliorates Poly(I:C) Induced Lung Inflammation: Therapeutic Implications in Respiratory Viral Infections. **Cell Death Dis** 2021; 12:53. (IF: 9.696)
5. Sun X, Hou T, Cheung EC, Iu TN, Tam VW, Chu IM, Tsang MS, Chan PK, Lam CW, **Wong CK (correspondence author)**. Anti-inflammatory Mechanisms of the Novel Cytokine Interleukin-38 in Allergic Asthma. **Cell Mol Immunol** 2020; 17:631-646. (IF: 22.1)

- (vii) Five representative publications beyond recent five-years period with the most recent publication entered first

1. Jiao D, **Wong CK (equal 1st author, correspondence author)**, Qiu HN, Dong J, Cai Z, Chu M, Hon KL, Tsang MSM, Lam CWK. NOD2 and TLR2 ligands trigger the activation of basophils and eosinophils by interacting with dermal fibroblasts in atopic dermatitis-like skin inflammation. **Cell Mol Immunol** 2016; 13: 535-550. (IF: 22.1)

2. Dong J, **Wong CK (equal 1st author)**, Cai Z, Jiao D, Chu M and Lam CWK. Amelioration of allergic airway inflammation in mice by regulatory IL-35 through dampening inflammatory dendritic cells. **Allergy** 2015; 70: 921–932. (IF: 14.71)
3. **Wong CK**, Cao J, Yin YB and Lam CWK. IL-17A activation on bronchial epithelial cells and basophils: a novel inflammatory mechanism. **Eur Respir J** 2010; 35:883-893. (IF: 33.801)
4. **Wong CK**, Wong BC, Chan KC, Joynt GM, Yap YH, Lam CW, Lee N, Lee SS, Cockram CS, Sung JJY, Chan PK, Lo YM, Tang JW. Cytokine profile in fatal human immunodeficiency virus-tuberculosis-Epstein-Barr virus-associated hemophagocytic syndrome. **Arch Int Med** 2007; 167:1901-1903. (IF: 17.333)
5. **Wong CK**, Tsang CM, Ip WK, Lam CW. Molecular mechanisms for the release of chemokines from human leukemic mast cell line (HMC)-1 cells activated by SCF and TNF- $\alpha$ : roles of ERK, p38 MAPK, and NF- $\kappa$ B. **Allergy** 2006; 61: 289-97. (IF: 14.71)

(viii) Others:

Research related Awards:

- (1) Best Poster Award (Basic Science) (2018), **Wong CK**, Chu IMT, Jiao D, Zhu J, Lam CW. Interaction of high-mobility group box 1-mediated activation of eosinophils with dermal fibroblasts: implication of damaging inflammation in atopic dermatitis. 10th Hong Kong Allergy Convention, 29-30 September, 2018, Hong Kong.
- (2) Best Abstract Prize (2016), **Wong CK**, Chu IM, Tsang MS, Hon KL, Lam CW. Aberrant Expression of Neutrophil  $\alpha$ -Defensins and Pattern Recognition Receptor NOD2 and TLR2 of Basophils in Atopic Dermatitis. European Academy of Allergy and Clinical Immunology 35th Annual Congress 2016, Vienna, Austria, 12 June 2016.
- (3) Top Cited Article (2006-2010) Award, *Clinical Immunology, Federation of Clinical Immunology Societies, USA* (**Wong CK**, Lit LC, Tam LS, Li EK, Wong PT, Lam CW. Hyperproduction of IL-23 and IL-17 in patients with systemic lupus erythematosus: implications for Th17-mediated inflammation in auto-immunity. **Clin Immunol** 2008; 127: 385–393).

Services: Chairman of Hong Kong Society for Immunology (2005 – 06)

Treasurer of Hong Kong Society for Immunology (Since 2018)

President of Hong Kong Society of Flow Cytometry (2002, 2004, 2007 – 09, 2010-2011, 2014-2015, 2017-2018).

Treasurer of Hong Kong Society of Flow Cytometry (Since 2022)

Honorable Advisor, Hong Kong Institute of Allergy (Since 2014)

Supervision: 11 MPhil and 28 PhD students (all graduated since 2001, The Chinese University of Hong Kong). Current supervising 6 PhD students (The Chinese University of Hong Kong).