MING FU, MD, PhD

MD: Peking University Health Science Center

PhD: The University of Hong Kong

Post-doctoral Training: Washington University in St. Louis

Professional Titles

Research Assistant Professor

Research interests:

* Hirschsprung’s disease and Hirschsprung’s disease associated enterocolitis.
* Neural crest cells proliferation, differentiation and migration during Enteric Nervous System Development.
* The co-relation of neural crest cells and the extracellular matrix.
* The co-relation between enteric nervous system, gut immune system and intestinal epithelial homeostasis.

Publications:

1. Ruth A. Lewit, Korah P. Kuruvilla, **Fu, Ming**, Ankush Gosain (2022)

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1. **Fu, Ming**; Amanda J. Barlow-Anacker, Korah P. Kuruvulla; Ankush Gosain (2020)

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1. Lauren A Brooks; Kathryn L Fowler; Laura V Veras, **Fu, Ming**; Ankush Gosain (2020)

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4. Amanda J. Barlow-Anacker, **Fu, Ming**, Christopher S. Erickson, Federica Bertocchini

Ankush Gosain (2017)

Neural Crest Cells Contribute an Astrocyte-like Glial Population to the Spleen.

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5. **Fu, Ming**; Solange Landreville; William Harbour; Robert O. Heuckeroth (2013)

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and death. J. Clin. Invest. Dec;123(12), 2013, 5152-64

6. **Fu, Ming**, Sato,Yoshiharu, Heuckeroth, Robert O. (2010)

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7. Zhang B, Chang J, **Fu, Ming**, Huang J, Kashyap R, Salavaggione E, Jain S, Shashikant K,

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abnormalities reminiscent of Cornelia de Lange syndrome. Development. 134(17):3191-

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9. Vohra BP, **Fu, Ming**, Heuckeroth RO. (2007)

Protein kinase Czeta and glycogen synthase kinase-3beta control neuronal polarity in developing rodent enteric neurons, whereas SMAD specific E3 ubiquitin protein ligase 1 promotes neurite growth but does not influence polarity.

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10. Vohra BP, Planer W, Armon J, **Fu, Ming**, Jain S, Heuckeroth RO (2007)

Reduced endothelin converting enzyme-1 and endothelin-3 mRNA in the developing bowel of male mice may increase expressivity and penetrance of Hirschsprung disease-like distal intestinal aganglionosis

Dev Dyn. 236; 106-117

11. **Fu, Ming**, Bhupinder P. S. Vohra, Daniel Wind, Robert O. Heuckeroth (2006)

BMP signaling regulates murine enteric nervous system precursor migration, nurite fasciculation and patterning via altered Ncam1 polysialic acid addition

Developmental Biology. 299, 137-150

12. Bhupinder P.S. Vohra, Keiji Tsuji, Mayumi Nagashimada, **Fu,Ming**, Hideki Enomoto,

Robert O. (2006)

Heuckeroth

Differential gene expression and functional analysis implicate no el mechanisms in enteric nervous system precursor migration and neuritogenesis. Developmental Biology. 298, 259-271

13. Garcia-Barcelo M, SO MT, Lau DK, Lui VC, **Fu, Ming**, Scherer SW, Tam PK (2006)

Population Differences in the Polyalanine Domain and 6 New Mutations in HLXB9 in Patients with Currarino Syndrome.

Clin Chem. 52(1): 46-52. Epub 2005 Oct 27.

14. Chan KK, Chen YS, Yau TO, **Fu, Ming**, Lui VC, Tam PK, Sham MH. (2005)

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15. Merce Garcia-Barcelo, Raymond W. Ganster, Vincent C.H. Lui, Thomas Y.Y. Leon, Man Ting SO, **Fu, Ming**, Mai-Har Sham, Paul K.H. Tam (2005)

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16. **Fu, Ming,** Lui VC, Sham MH, Vassilis Pachnis, Paul KH Tam (2004)

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17. **Fu, Ming**, Paul Kwong Hang Tam , Lui VC (2004)

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18. **Fu, Ming** , Lui VC, Sham MH, Paul Kwong Hang Tam (2003)

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Developmental dynamics 228:1-1018. Sham MH, Lui VC, Chen BL, **Fu, Ming**, Paul Kwong Hang Tam (2001)

Novel mutations of SOX10 suggest a dominant negative role in Waardenburg-Shah

Syndrome

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19. Sham MH , Lui Vincent, **Fu, Ming,** Paul Kwong Hang Tam (2001)

SOX10 is expressed in aganglionic bowel of Hirschsprung’s disease infants.

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J. Med. Genet. 2001, Sep; 38(9): E30

Research lab location:

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