CURRICULUM VITAE
Fei Huang, M.D., M.S.

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Education

1978--1981	Jiangsu University School of Medicine, Zhenjiang, Jiangsu, China. M.D.
1987--1990	Department of Hematology, Southeast University School of Medicine, Nanjing, Jiangsu, China. M.S.

Research and Professional Experience

1982--1987	Resident Physician, Department of Internal Medicine, Affiliated Hospital of Jiangsu University, Zhenjiang, China
1990--1999	Attending Physician; Chief Physician; Chief Division of Hematology Affiliated Hospital of Jiangsu University, Zhenjiang, China
2000--2007	Postdoctoral Fellow / Research Associate / Instructor, Department of Pharmacology, Rush University Medical Center, Chicago, IL
2008--2009	Research Associate / Instructor, Department of Neurological Sciences, Rush University Medical Center, Chicago, IL
2010-Aug. 2016	Senior Research Specialist, Department of Pharmacology, University of Illinois at Chicago, Chicago, IL
Sep.2016-	Scientist/Instructor, Department of Molecular Biophysics and Physiology, Rush University Medical Center, Chicago, IL

Professional Honors and Awards

1993	The First Research Paper Award in Medical Science, Association of Science & Technology, Zhenjiang
1998	Health Research Foundation, the Public Health Department of Jiangsu Province
2004	Second place in the postdoctoral research competition. Great Lakes Chapter Affiliate of ASPET

Research skills

- cDNA cloning and Subcloning
- Site-directed mutagenesis
- Genome Editing – CRISPR/Cas9
- PCR, RT-PCR, and Real Time PCR
- Transformation and amplification of Competent cells; Transfection of cells

with electroporation, transfect reagent, or viral particle
- Immunoprecipitation and Western blotting
- 2D electrophoresis
- Protein extraction, purification, assays, and characterization
- Experiment with small animals (mice and rats)
- Measurements of fluorescence resonance energy transfer
- Cytomorphology of blood cells
- Cell culture (primary cell, cell line, and stem cell), and Bacteria culture
- Histological processing of tissue (fixation, embedding, and sectioning)
- Immunofluorescence; Histochemistry
- Light, Fluorescence and Confocal microscopy
- Luciferase assay, ELISA
- Electrophysiology
- Compute skills including Microsoft Word, Excel, PowerPoint, Publisher, and Photoshop

Publication

1. Geyer M, **Huang F**, Sun Y, Vogel SM, Malik AB, Taylor CW, and Komarova YA. Microtubule-Associated Protein EB3 Regulates IP3 Receptor Clustering and Ca(2+) Signaling in Endothelial Cells. Cell Reports, 2015, 12: 79-89

2. Komarova YA, **Huang F**, Geyer M, Daneshjou N, Garcia A, Idalino L, Kreutz B, Metha D, and Malik AB. VE-cadherin signaling induces EB3 phosphorylation to suppress microtubule growth and assemble adherens junctions. Molecular Cell 2012; 48: 914-925

3. Qiao J, O. Holian, BS. Lee, **Huang F,** J. Zhang, and H. Lum. Phosphorylation of GTP dissociation inhibitor by PKA negatively regulates RhoA. Am J Physiol Cell Physiol 2008; 295: 1161-1168

4. **Huang, F.**, D. Mehta, S. Predescu, KS. Kim, and H. Lum. A Novel lysophospholipid- and pH-sensitive receptor, GPR4, in brain endothelial cells regulates monocyte transmigration. Endothelium 2007;14:25-34

5. Qiao J, **Huang F**, RP. Naikawadi, KS. Kim, T. Said, and H. Lum. Lysophosphatidylcholine impairs endothelial barrier function through the Gα Protein-coupled receptor GPR4. Am J Physiol 2006 ;291:L91-L101

6**. Huang, F**., PV. Subbaiah, O. Holian, J. Zhang, A. Johnson, N. Gertzberh, and H. Lum. Lysophosphatidylcholine increase endothelial permeability: role of PKCα and RhoA cross talk. Am J Physiol 2005; 289: L176-L185

7. Lum, H., J. Qiao, RJ. Walter, **Huang F,** PV. Subbaiah, KS. Kim, and O. Holian. Inflammatory stress increases receptor for lysophosphatidylcholine in human microvascular endothelial cells. Am J Physiol 2003; 285: H1786-H1789

8. Qiao, J., **Huang F**, H. Lum. PKA inhibits RhoA activation: A protection mechanism against endothelial barrier dysfunction. Am J Physiol 2003;284: L972-L980

9. Lum, H., J.L. Podolski, M.E. Gurnack, I.T. Schulz, **Huang F**, and O. Holian Protein phosphatase 2B inhibitor potentiates endothelial PKC activity and barrier

dysfunction. Am J Physiol Lung Cell Mol Physiol 2001; 281: L546-L555
10. **Huang, F.**, Y. Zhu and S.N. Yang et al: Clinical significance of interleukin 6 analysis during fever in patients undergoing chemotherapy for acute leukemia. Journal of Leukemia 2000; 9(4)217-220
11. **Huang, F.**,Y.Zhu and S.N. Yang. The significance of regular marrow examination after acute leukemia remission. Journal of Leukemia 2000;9(3):166-168
12. **Huang, F.**, Y. Zhu and X.X. Zhu et al: Effect of granulocyte colony-stimulating factor in the treatment of lymphoma. J Zhenjian Med Coll 1999;9(2):179-181
13. Zhu, Y., **Huang F**, and S.N. Yang et al: Effects of granulocyte colony-stimulating factors on the treatment of acute myeloid leukemia. J Zhenjian Med Coll 1996;6(1):44- 45
14. **Huang, F.** and H.P. Zhao: Ultrastructural studies on differentiation of human leukemic cell induced by G-CSF and retinoic acid. J Zhenjian Med Coll 1994;4(4):262-264
15. **Huang, F.**, H.P. Zhao and X.Z. Gao et al: Leucocyte conditioned medium arouse differentiation-inducing activity of granulocyte colony stimulating factor in HL-60 cells. Natl Med J China 1994;74(3):168-169
16. **Huang, F.**, X.Z. Gao and M.M. Dai et al: Effects of recombinant human granulocyte colony-stimulating factor in leukemic cells. Chin J Cancer 1994;13(1):29-31
17. **Huang, F.** and H.P. Zhao: Growth response of HL-60 cells to recombinant human granulocyte colony stimulating factor. J Zhenjian Med Coll 1992;2(2):19-21
18. **Huang, F.**, H.P. Zhao and X.Z. Gao et al: Recombinant human G-CSF and retinoic acid in synergistically inducing granulocyte differentiation of human promyelocytic leukemic cells. Chin Med J 1992;105(9):707-712
19. Zhao, H.P. and **Huang F**: Effects of recombinant human G-CSF on the blast cells of acute myeloblastic leukemia. Chin J Intern Med 1992; 31(9):567-568
20. **Huang, F.** and X.Z. Gao: The effects of colony-stimulating factor on leukemic cells. Tumor 1992; 12(3):132-134
21. **Huang, F.**, H.P. Zhao and X.Z. Gao et al: Granulocyte differentiation of human promyelocytic leukemic cells induced by coordinate action of granulocyte colony stimulating factor and retinoic acid. Natl Med J China 1991;71(8):421-424

Research Support

Completed Research Support

1) American Heart Association Postdoctoral Fellowship, Greater Midwest (Fei Huang 0320056Z); Project Period: 01/01/2003-12/31/2004
Title of Project: Lysophosphatidylcholine Promotes Monocyte Transendothelial Migration: Role of Endothelial Myosin Light Chain

2) American Heart Association Postdoctoral Fellowship, Greater Midwest (Fei Huang 0520068Z); Project Period: 01/01/2005-12/31/2005
Title of Project: Lysophosphatidylcholine Promotes Monocyte Transmigration by a Novel Specific G Protein-coupled Receptor Expressed by Endothelial Cells