Curriculum Vitae
Huazhang Guo, M.D., Ph.D.

Personal Information

Professional Address
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Current Position, Institution and Start Date

Assistant Professor/Medical Director of Molecular Diagnostic Lab
Department of Pathology, Saint Louis University 07/17-present

Education

Postgraduate training:

Fellowship – Molecular Genetic Pathology
Mount Sinai Hospital 07/14-06/15

Residency – Anatomical/Clinical Pathology
New York Medical College at Westchester Medical Center
07/10-06/14

Postdoctoral research
University of Tennessee, Health Science Center 05/00-01/03

Graduate degree and major
Fourth Military Medical University (China) Doctor of Medicine (Pathology)
08/93-07/96
Prediction and validation of T cell antigen epitope in HCV NS3 region
(Wenling Wang & Haotao Wang)

Graduate degree and major
Fourth Military Medical University (China) Master of Medicine (Orthopedics)
08/93-07/96
Osteogenesis and immunogenicity of reconstituted bone xenograft (Yunyu Hu)

Undergraduate degree and major
Fourth Military Medical University (China) Bachelor of Medicine (Medicine)
08/87-07/93

Previous Professional Experience

Assistant Professor, University of Pittsburgh Medical Center 07/15-06/17
Research Associate, University of Tennessee, HSC 05/05-06/10
Instructor, Fourth Military Medical University (China) 02/03-04/05
Instructor, Fourth Military Medical University (China) 08/99-04/00

Hospital and Clinical Staff Appointments

SSM Saint Louis University Hospital 07/15-Present

Board Certification and Licensure

Molecular Genetic Pathology Board Certification 09/15
Anatomical/Clinical Pathology Board Certification 07/14

Missouri Medical License (active) 04/17
Pennsylvania Medical License (active) 06/15
New York Medical License (inactive) 12/13

Professional Society Memberships

National	College of American Pathologists, Association for Pathology Informatics

Current and Past Teaching Responsibilities

Lectures	Molecular Pathology	(2017)
	Pathology Informatics	(2017)
	Basic Computation in Pathology Informatics	(2016)
	Basic Computation in Pathology Informatics	(2015)

Protégé

Cytopathology fellows, Pathology informatics fellows, Pathology residents, Medical students

Bibliography

Peer-reviewed articles

1: Guo H, Ray RM, Johnson LR. RhoA stimulates IEC-6 cell proliferation by increasing polyamine-dependent Cdk2 activity. Am J Physiol Gastrointest Liver Physiol. 2003 Oct;285(4):G704-13. Epub 2003 Jun 19. PubMed PMID: 12816757.

2: Guo HZ, Yin Y, Wang WL, Zhang CS, Wang T, Wang Z, Zhang J, Cheng H, Wang HT. Sequence evolution of putative cytotoxic T cell epitopes in NS3 region of hepatitis C virus. World J Gastroenterol. 2004 Mar 15;10(6):847-51. PubMed PMID: 15040030.

3: Wang Z, Li Q, Huang GS, Liu SJ, Guo HZ, Zhang J, Cheng H, Xu J, Barenboim-Stapleton L, Ried T. Clinical report of congenital lymphatic malformations and partial gigantism of the hands associated with a heterogeneous karyotype. Am J Med Genet A. 2005 Jan 1;132A(1):106-7. PubMed PMID: 15472995.

4: Ray RM, Guo H, Patel M, Jin S, Bhattacharya S, Johnson LR. Role of myosin regulatory light chain and Rac1 in the migration of polyamine-depleted intestinal epithelial cells. Am J Physiol Gastrointest Liver Physiol. 2007 Apr;292(4):G983-95. Epub 2006 Dec 14. PubMed PMID: 17170026.

5: Bhattacharya S, Guo H, Ray RM, Johnson LR. Basic helix-loop-helix protein E47-mediated p21Waf1/Cip1 gene expression regulates apoptosis of intestinal epithelial cells. Biochem J. 2007 Oct 15;407(2):243-54. PubMed PMID: 17617061.

6: Khurana S, Tomar A, George SP, Wang Y, Siddiqui MR, Guo H, Tigyi G, Mathew S. Autotaxin and lysophosphatidic acid stimulate intestinal cell motility by redistribution of the actin modifying protein villin to the developing lamellipodia. Exp Cell Res. 2008 Feb 1;314(3):530-42. Epub 2007 Nov 12. PubMed PMID: 18054784.

7: Guo H, Makarova N, Cheng Y, E S, Ji RR, Zhang C, Farrar P, Tigyi G. The early-and late stages in phenotypic modulation of vascular smooth muscle cells:differential roles for lysophosphatidic acid. Biochim Biophys Acta. 2008 Sep;1781(9):571-81. doi: 10.1016/j.bbalip.2008.06.003. Epub 2008 Jun 13. PubMed PMID: 18602022.

8: Khandoga AL, Fujiwara Y, Goyal P, Pandey D, Tsukahara R, Bolen A, Guo H, Wilke N, Liu J, Valentine WJ, Durgam GG, Miller DD, Jiang G, Prestwich GD, Tigyi G, Siess W. Lysophosphatidic acid-induced platelet shape change revealed through LPA(1-5) receptor-selective probes and albumin. Platelets. 2008 Sep;19(6):415-27. doi: 10.1080/09537100802220468. PubMed PMID: 18925509.

9: E S, Lai YJ, Tsukahara R, Chen CS, Fujiwara Y, Yue J, Yu JH, Guo H, Kihara A, Tigyi G, Lin FT. Lysophosphatidic acid 2 receptor-mediated supramolecular complex formation regulates its antiapoptotic effect. J Biol Chem. 2009 May 22;284(21):14558-71. doi: 10.1074/jbc.M900185200. Epub 2009 Mar 17. PubMed PMID: 19293149.

10: Cheng Y, Makarova N, Tsukahara R, Guo H, Shuyu E, Farrar P, Balazs L, Zhang C, Tigyi G. Lysophosphatidic acid-induced arterial wall remodeling: requirement of PPARgamma but not LPA1 or LPA2 GPCR. Cell Signal. 2009 Dec;21(12):1874-84. doi: 10.1016/j.cellsig.2009.08.003. Epub 2009 Aug 23. PubMed PMID: 19709640.

11: Tsukahara T, Tsukahara R, Fujiwara Y, Yue J, Cheng Y, Guo H, Bolen A, Zhang C,Balazs L, Re F, Du G, Frohman MA, Baker DL, Parrill AL, Uchiyama A, Kobayashi T, Murakami-Murofushi K, Tigyi G. Phospholipase D2-dependent inhibition of the nuclear hormone receptor PPARgamma by cyclic phosphatidic acid. Mol Cell. 2010 Aug 13;39(3):421-32. doi: 10.1016/j.molcel.2010.07.022. PubMed PMID: 20705243.

12: Guo H, Birsa J, Farahani N, Hartman DJ, Piccoli A, O'Leary M, McHugh J, Nyman M, Stratman C, Kvarnstrom V, Yousem S, Pantanowitz L. Digital pathology and anatomic pathology laboratory information system integration to support digital pathology sign-out. J Pathol Inform. 2016 May 4;7:23. doi: 10.4103/2153-3539.181767. eCollection 2016 May 4. PubMed PMID: 27217973.

13: Brożyna AA, Guo H, Yang SE, Cornelius L, Linette G, Murphy M, Sheehan C, Ross J, Slominski A, Carlson JA. TRPM1 (melastatin) expression is an independent predictor of overall survival in clinical AJCC stage I and II melanoma patients. J Cutan Pathol. 2017 Apr;44(4):328-337. doi: 10.1111/cup.12872. Epub 2017 Jan 26. PubMed PMID: 27987328.

Invited review articles

1: Guo H, Carlson JA, Slominski A. Role of TRPM in melanocytes and melanoma. Exp Dermatol. 2012 Sep;21(9):650-4. doi: 10.1111/j.1600-0625.2012.01565.x. PubMed PMID: 22897572.

Books published or in press, role (joint authorship, editor)

1: Qing Li and Huazhang Guo, editors. Bilingual Textbook of Pathology. The Fourth Military Medical University Press, 2004.

Abstracts

National/International Meeting Posters

1: Huazhang Guo, Humayun Islam, Alex Braun, and Fouzia Shakil. Isolated intracranial myeloid sarcoma mimicking lymphoblastic lymphoma in a 2 years-old girl. In CAP ’11, Grapevine, Texas, USA, September 2011.

2: Huazhang Guo, Shiquan Jiang, William Lam, Junaid Ibrahim, David Zhang, Janina Longtine, and Fei Ye. LOCHI: a suite of R programs to automate chimerism analysis. In USCAP 2015 Annual Meeting, Boston, MA, USA, March 2015.

Local/Regional Meetings

1: Huazhang Guo, Larry L. Tague, Ramesh M. Ray, and Leonard R. Johnson. REALCROSS: an automatic computer tool for cross-species real-time PCR primer design. In The 5th Annual UT/ORNL Bioinformatics Summit. Cadiz, Kentucky, USA, April 2006.

Supplemental Material

Grand Rounds	Developing computer-assisted diagnostic algorithms: acid fast bacilli, lung cancer grading, and prostate cancer screen	(03/16)

Patents and Technology Transfer

Automatic screening for acid fast bacilli on acid fast stained whole slide images (provisional patent filed) (02/17)