



## 导师简介-耿建国

### 1. 基本情况

姓名:耿建国 性别:男 出生年月:1955.8 学历(学位):博士

工作部门: 血管生物学研究所, 基础学院 职务: 所长、特聘教授

职称:教授

从事专业:病理学

招生专业: 病理学与病理生理学

主要研究方向: 肿瘤分子生物学, 血管生物学

电子信箱: genglab@gmail.com

### 2. 学习、工作经历

1977年12月至1982年12月在复旦大学医学院临床医学系学习, 获得医学学士学位。

1982年12月至1985年7月在复旦大学医学院心血管专业学习, 获得医学硕士学位。

1985年9月至1988年12月在复旦大学医学院心血管专业学习, 获得医学博士学位。

1989年2月至1992年10月在美国俄克拉荷马大学健康科学中心进行博士后研究。

1992年11月至1998年7月在美国法玛西亚普强制药公司担任研究科学家。

1998年7月至2009年11月在中科院上海生命科学研究院生物化学与细胞生物学研究所研究员、博士生导师。

2003年1月至2009年11月在美国明尼苏达大学医学院担任副教授。

2008年6月至今, 在广东药学院血管生物学研究所所长、特聘教授。

### 3. 主要社会任职

“国家自然科学基金杰出青年基金”获得者; 中科院“百人计划”获得者; “973”首席科学家; 863”项目、国家自然科学基金重点项目核心成员。“香港求是基金会杰出青年科学家奖”获得者。目前担任国内期刊《Cell Research》、国外期刊《Cell Adhesion & Migration》的编委。研究方向: 肿瘤分子生物学, 血管生物学。

### 4. 主要学术成果

论著:

SCI收录杂志或国内核心杂志:

(1) Yidan Li, Buqing Ye, Shengxi Zheng, Jintao Wang, Jianguo Wang, Ming

Chen, Jiguo Liu, Xinhui Pei, Lijing Wang, Zhixin Lin, Kalpna Gupta, Nigel Mackman, Arne Slungaard, Nigel S.Key, Jianguo Geng. (2009) NF- $\kappa$ B Transcription Factor p50 Critically Regulates Tissue Factor in Deep Vein Thrombosis. *J Biol Chem.* 284:4473-83. (SCI收录, IF=5.52)

- (2) Wang, L.-J., Zhou, Y., Han, B., Ma, Y.-G., Zhang, J., Yang, Y., Wang, R., and Geng, J.-G. (2008) Targeting Slit-Robo signaling inhibits tumor angiogenesis in chemical-induced squamous cell carcinogenesis. *Cancer Science* 3:510-517. (SCI收录, IF=3.471)
- (3) Wang, H.-B., Wang, J.-T., Zhang, L., Geng, Z. H., Xu, W.-L., Xu, T., Huo, Y., Zhu, X., Plow, E.F., Chen, M. and Geng, J.-G. (2007) P-selectin primes leukocyte integrin activation during inflammation. *Nat. Immunol.* 8:882-892. (SCI收录, IF=25.113)
- (4) Ma, Y.-Q., Plow, E. F., and Geng, J.-G. (2004) P-selectin binding to P-selectin glycoprotein ligand-1 induces an intermediate state of  $\alpha$ Mb 2 activation and acts cooperatively with extracellular stimuli to support maximal adhesion of human neutrophils. *Blood* 104:2549-2556. (SCI收录, IF=10.432)
- (5) Xia, Y.-F., Ye, B.-Q., Li, Y.-D., Wang, J.-G., He, X.-J., Lin, X., Yao, X., Ma, D., Slungaard, A., Hebbel, R. P., Key, N. S., and Geng, J.-G. (2004) Andrographolide attenuates inflammation by inhibition of NF- $\kappa$ B activation through covalent modification of reduced cysteine<sup>62</sup> of p50. *J. Immunol.* 173:4207-4217. (SCI收录, IF=6)
- (6) Geng, J.-G., Chen, M., and Chou, K.-C. (2004) P-selectin cell adhesion molecule in inflammation, thrombosis, cancer growth and metastasis. *Curr. Med. Chem.* 11:2153-2160. (SCI收录, IF=4.823)
- (7) Wang, J.-G., and Geng, J.-G. (2003) Affinity and kinetics of P-selectin binding to heparin. *Thromb. Haemost.* 90:309-316. (SCI收录, IF=3.803)
- (8) Wang, B., Xiao, Y., Ding, B.-B., Zhang, N., Yuan, X.-b., Gui, L., Qian, K.-X., Duan, S., Chen, Z., Rao, Y., and Geng, J.-G. (2003) Induction of tumor angiogenesis by Slit-Robo signaling and inhibition of cancer growth by blocking Robo activity. *Cancer Cell* 4:19-29. (SCI收录, IF=24.962)
- (9) Li, L., Qian, K.-X., and Geng, J.G. (2002) A 28-kDa glycoprotein functions as a platelet ligand for P-selectin (CD62P). *Thromb. Haemost.* 87:706-711. (SCI收录, IF= 3.803)
- (10) Ma, Y.-Q., and Geng, J.G. (2002) Obligatory requirement of sulfation for P-selectin binding to human salivary gland carcinoma Acc-M cells and breast carcinoma ZR-75-30 cells. *J. Immunol.* 168:1690-1696. (SCI收录, IF=6)
- (11) Geng, J.G. (2001) Directional migration of leukocytes: their pathological roles in inflammation and strategies for development of anti-inflammatory therapies. *Cell Res.* 11:85-88. (SCI收录, IF=4.535)
- (12) Ma, Y.-Q. and Geng, J.G. (2000) Heparan sulfate-like proteoglycans mediate adhesion of human malignant melanoma A375 cells to P-selectin under flow. *J. Immunol.* 165:558-565. (SCI收录, IF=6)

- (13) Kaytes, P. K., and Geng, J.G. (1998) P-selectin mediates adhesion of the human melanoma cell line NKI-4: Identification of glycoprotein ligands. *Biochemistry* 37:10514-10521. (SCI收录, IF=3.379)
- (14) Geng, J.G., Raub, T. J., Baker, C. A., Sawada, G. A., Ma, L., and Elhammer, Å. P. (1997) Expression of a P-selectin ligand in zona pellucida of porcine oocytes and P-selectin on acrosomal membrane of porcine sperm cells. Potential implications for their involvement in sperm-egg interactions. *J. Cell Biol.* 137:743-754. (SCI收录, IF=9.12)
- (15) Asa, D., Raycroft, L., Ma, L., Aeed, P. A., Kaytes, P. S., Elhammer, Å. P., and Geng, J.G. (1995) The P-selectin glycoprotein ligand functions as a common human leukocyte ligand for P- and E-selectins. *J. Biol. Chem.* 270:11662-11670. (SCI收录, IF= 5.52)
- (16) Ma, L., Raycroft, L., Asa, D., Anderson, D.C., and Geng, J.G. (1994) A sialoglycoprotein from human leukocytes functions as a ligand for P-selectin. *J. Biol. Chem.* 269:27739-27746. (SCI收录, IF= 5.52)
- (17) Geng, J.G., Heavner, G.A., and McEver, R.P. (1992) Lectin domain peptides from selectins interact with both cell surface ligands and  $Ca^{2+}$  ions. *J. Biol. Chem.* 267:19846-198534. (SCI收录, IF=5.52)
- (18) Geng, J.G., Moore, K.L., Johnson, A.E., and McEver, R.P. (1991). Neutrophil recognition requires a  $Ca^{2+}$ -induced conformational change in the lectin domain of GMP-140. *J. Biol. Chem.* 266: 22313-22318. (SCI收录, IF= 5.52)
- (19) Geng, J.G., Bevilacqua, M.P., Moore, K.L., McIntyre, T.M., Prescott, S.M., Kim, J.M., Bliss, G.A., Zimmerman, G.A., and McEver, R.P. (1990). Rapid neutrophil adhesion to activated endothelium mediated by GMP-140. *Nature* 343:757-760 (SCI收录, IF= 31.434)
- (20) Geng, J.G., Chen, H.-Z., Yang, Y.-F., Qian, Z.-H., and Zhong, L.-M. (1989) Rapid purification of creatine kinase MB isoenzyme on preparative polyacrylamide slabs. *Clin. Chem.* 35:98-101. (SCI收录, IF=5.579)

#### 专著

《口腔基础医学》，兰州大学出版社，1998年在出版发行，主编

#### 取得的专利：

- (1) George A. Heavner, Rodger P. McEver, and Jian-Guo Geng (1991) Peptide inhibitors of inflammation mediated by P-selectin. CTC 100 CIP USSN 07/699, 693.
- (2) Åke P. Elhammer, and Jian-Guo Geng (1995) The oligosaccharide structures of a ligand for P- and E-selectin. PCT/US95/11401.
- (3) Jian-Guo Geng, and Jian-Guo Wang (2000) Prevention and treatment of inflammation by *N*-desulfated non-anticoagulant heparin. China (00116404.X) and World (PCT/CN01/00922, 2002; US10/297,768, 2003;

EU1300153, 2003).

- (4) 耿建国, 徐维丽, 陈铭, 王海波, 王尽淘, 张雷, 徐涛。一种炎症和血栓药物的靶标, 以及针对该靶标的药物。中国专利申请号: 200710041403.0.

目前承担的项目有:

- 1、《炎症过程中细胞间相互作用的信号转导机制及其应用研究》项目项目批准号: 2010CB529700, 2010年国家科技部“973”项目, 资助金额130万元。项目负责人。
- 2、《Slit/Robo信号调控Wnt/ $\beta$ -catenin通路在肿瘤生长中的功能研究》项目项目批准号: 30871304, 2009年国家自然科学基金, 资助金额29.0万元。主持人。
- 3、《血管生物学重要基因的功能研究和应用开发》, 项目批准号: 2006AA02Z169, 2006年国家863项目, 资助金额100万元。课题副组长。
- 4、《Slit-Robo信号在口腔癌形成和转移中的作用机理研究》, 广东药学院项目基金(2005.1-2007.12), 资助金额10.0万元。主持人。
- 5、《Slit-Robo信号在口腔癌形成中的作用机理研究》, 项目项目批准号: 30470858, 2004年国家自然科学基金, 资助金额21.0万元。主持人。

页次: [1/1]