

Selected publications:

1. Imbalance between neutrophil elastase and its inhibitor α 1-antitrypsin in obesity alters insulin sensitivity, inflammation, and energy expenditure. Mansuy-Aubert V, Zhou QL, Xie X, Gong Z, Huang JY, Khan AR, Aubert G, Candelaria K, Thomas S, Shin DJ, Booth S, Baig SM, Bilal A, Hwang D, Zhang H, Lovell-Badge R, Smith SR, Awan FR, Jiang ZY. *Cell Metab.* 2013 Apr 2;17(4):534-48.
2. C2 domain-containing phosphoprotein CDP138 regulates GLUT4 insertion into the plasma membrane. Xie X, Gong Z, Mansuy-Aubert V, Zhou QL, Tatulian SA, Sehrt D, Gnad F, Brill LM, Motamedchaboki K, Chen Y, Czech MP, Mann M, Krüger M, Jiang ZY. *Cell Metab.* 2011 Sep 7;14(3):378-89.
3. A novel pleckstrin homology domain-containing protein enhances insulin-stimulated Akt phosphorylation and GLUT4 translocation in adipocytes. Zhou QL, Jiang ZY, Mabardy AS, Del Campo CM, Lambright DG, Holik J, Fogarty KE, Straubhaar J, Nicoloso S, Chawla A, Czech MP. *J Biol Chem.* 2010 Sep 3;285(36):27581-9.
4. Akt substrate TBC1D1 regulates GLUT1 expression through the mTOR pathway in 3T3-L1 adipocytes. Zhou QL, Jiang ZY, Holik J, Chawla A, Hagan GN, Leszyk J, Czech MP. *Biochem J.* 2008 May 1;411(3):647-55
5. Identification of WNK1 as a substrate of Akt/protein kinase B and a negative regulator of insulin-stimulated mitogenesis in 3T3-L1 cells. Jiang ZY, Zhou QL, Holik J, Patel S, Leszyk J, Coleman K, Chouinard M, Czech MP. *J Biol Chem.* 2005 Jun 3;280(22):21622-8
6. Insulin signaling through Akt/protein kinase B analyzed by small interfering RNA-mediated gene silencing. Jiang ZY, Zhou QL, Coleman KA, Chouinard M, Boese Q, Czech MP. *Proc Natl Acad Sci U S A.* 2003 Jun 24;100(13):7569-74
7. Characterization of multiple signaling pathways of insulin in the regulation of vascular endothelial growth factor expression in vascular cells and angiogenesis. Jiang ZY, He Z, King BL, Kuroki T, Opland DM, Suzuma K, Suzuma I, Ueki K, Kulkarni RN, Kahn CR, King GL. *J Biol Chem.* 2003 Aug 22;278(34):31964-71
8. Glucose transporter recycling in response to insulin is facilitated by myosin Myo1c. Bose A, Guilherme A, Robida SI, Nicoloso SM, Zhou QL, Jiang ZY, Pomerleau DP, Czech MP. *Nature.* 2002 Dec 19-26;420(6917):821-4
9. A phosphatidylinositol 3-kinase-independent insulin signaling pathway to N-WASP/Arp2/3/F-actin required for GLUT4 glucose transporter recycling. Jiang ZY, Chawla A, Bose A, Way M, Czech MP. *J Biol Chem.* 2002 Jan 4;277(1):509-15
10. Characterization of selective resistance to insulin signaling in the vasculature of obese Zucker (fa/fa) rats. Jiang ZY, Lin YW, Clemont A, Feener EP, Hein KD, Igarashi M, Yamauchi T, White MF, King GL. *J Clin Invest.* 1999 Aug;104(4):447-57