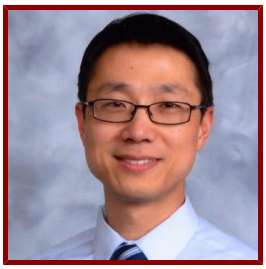
Stanford



Xiang Qian

Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICES

- **Stanford University Pain Management Center**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

CLINICAL FOCUS

- Pain Management
- Anesthesia

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

ADMINISTRATIVE APPOINTMENTS

- Medical Director, International Medical Services-Stanford Health Care, (2016- present)
- Committee Board, Stanford Clinical Competency Committee, Pain Medicine, (2014- present)
- Associate Medical Director, International Medical Services-Stanford Health Care, (2014-2016)

HONORS AND AWARDS

- Translational and Clinical Innovation Award, Stanford Medicine (2017)
- Injectable Electrostimulators for Treatment of Menopause Symptoms, Stanford-Coulter Translational Research Grants (2014)
- Award of MDA Grant for Neurotransmission Study, Muscular Dystrophy Association (2004)
- Award of Academic Merit, University of Miami School of Medicine (2003)
- First Prize Award for Poster Presentation, The 11th Annual Neuroscience Research Day, University of Miami (2002)
- Predoctoral Fellowship Grant Award, American Heart Association (AHA) (2001-2003)

PROFESSIONAL EDUCATION

- Residency: Stanford University Anesthesiology Residency (2012) CA
- Internship: MetroWest Medical Center Transitional Year (2009) MA
- Board Certification: Pain Medicine, American Board of Anesthesiology (2013)
- Board Certification: Anesthesia, American Board of Anesthesiology (2013)

- Fellowship: Stanford University Hospital - Pain Medicine (2013) CA
- Board Certification, Pain Management, American Board of Anesthesiology , Pain Medicine (2013)
- Board Certification, American Board of Anesthesiology , Anesthesia (2013)
- Internship, Metrowest Medical Center/Harvard Medical School Affiliated Program , MA (2009)
- Postgraduate, University of California at San Francisco , Neuroscience (2008)
- Medical Education: University of Miami (2003) FL
- Residency, 1st Affiliated Hospital of Zhejiang University School of Medicine , Cardiology (1999)
- Medical Education: Zhejiang Medical University (1997) China

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Clinical Interests

-Pain Medicine: Neuromodulation device therapies. CT-guided interventional procedures for trigeminal neuralgia and glossopharyngeal neuralgia . Facial pain. Cancer pain. CRPS.

-Anesthesia: Neurosurgery and ENT surgery

Research Interests:

-Medical device development

-Optogenetics

-Mechanisms of neuropathic pain

-Ion channel and diseases

-Neurotoxicity of anesthetics

Publications

PUBLICATIONS

- **Fluoroscopic C-Arm and CT-Guided Selective Radiofrequency Ablation for Trigeminal and Glossopharyngeal Facial Pain Syndromes.** *Pain medicine (Malden, Mass.)*
  Telischak, N. A., Heit, J. J., Campos, L. W., Choudhri, O. A., Do, H. M., Qian, X.
  2017
- **Pharmacological Management of Chronic Pain** *Anesthesiology*
  Bunch, J., Qian, X.
  2017
- **CT-Guided Percutaneous Infrazygomatic Radiofrequency Neurolysis Through Foramen Rotundum to Treat V2 Trigeminal Neuralgia** *Pain Medicine*
  Huang, B., Yao, M., Feng, Z., Guo, J., Zereshki, A., Leong, M., Qian*, X.
  2014
- **A Retrospective Study of Chronic Post-Surgical Pain following Thoracic Surgery: Prevalence, Risk Factors, Incidence of Neuropathic Component, and Impact on Qualify of Life.** *PloS one*
  Peng, Z., Li, H., Zhang, C., Qian, X., Feng, Z., Zhu, S.
  2014; 9 (2)
- **Optical control of neuronal excitation and inhibition using a single opsin protein, ChR2.** *Scientific reports*
  Liske, H., Qian, X., Anikeeva, P., Deisseroth, K., Delp, S.
  2013; 3: 3110-?

- **Deep Vein Thrombosis and Pulmonary Embolism** *Manual of Clinical Anesthesiology*
  Cosmin, G., Qian, X.
  2011; 470-475

- **G protein-activated inwardly rectifying potassium channels mediate depotentiation of long-term potentiation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Chung, H. J., Ge, W., Qian, X., Wiser, O., Jan, Y. N., Jan, L. Y.
  2009; 106 (2): 635-640

- **Neuronal activity regulates phosphorylation-dependent surface delivery of G protein-activated inwardly rectifying potassium channels** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Chung, H. J., Qian, X., Ehlers, M., Jan, Y. N., Jan, L. Y.
  2009; 106 (2): 629-634

- **SK channels mediate NADPH oxidase-independent reactive oxygen species production and apoptosis in granulocytes** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Fay, A. J., Qian, X., Jan, Y. N., Jan, L. Y.
  2006; 103 (46): 17548-17553

- **Intra- and intersubunit cooperativity in activation of BK channels by Ca2+ (vol 128, pg 389, 2006)** *JOURNAL OF GENERAL PHYSIOLOGY*
  Qian, X., Niu, X., Magleby, K. L.
  2006; 128 (5): 629-629

- **K+ channel selectivity depends on kinetic as well as thermodynamic factors** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Grabe, M., Bichet, D., Qian, X., Jan, Y. N., Jan, L. Y.
  2006; 103 (39): 14361-14366

- **Modulation of basal and receptor-induced GIRK potassium channel activity and neuronal excitability by the mammalian PINS homolog LGN** *NEURON*
  Wiser, O., Qian, X., Ehlers, M., Ja, W. W., Roberts, R. W., Reuveny, E., Jan, Y. N., Jan, L. Y.
  2006; 50 (4): 561-573

- **Linker-gating ring complex as passive spring and Ca2+-dependent machine for a voltage-and Ca2+-activated potassium channel (vol 42, pg 745, 2004)** *NEURON*
  Niu, X. W., Qian, X., Magleby, K. L.
  2005; 45 (4): 637-637

- **beta 1 subunits facilitate gating of BK channels by acting through the Ca2+, but not the Mg2+, activiating mechanisms** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Qian, X., Magleby, K. L.
  2003; 100 (17): 10061-10066

- **Slo1 tail domains, but not the Ca2+ bowl, are required for the beta 1 subunit to increase the apparent Ca2+ sensitivity of BK channels** *JOURNAL OF GENERAL PHYSIOLOGY*
  Qian, X., Nimigean, C. M., Niu, X. W., Moss, B. L., Magleby, K. L.
  2002; 120 (6): 829-843