

# Curriculum Vitae

## Quyen T. Nguyen

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San Diego, CA 92103  
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### **Board Certification**

2006 American Board of Otolaryngology  
2008 American Board of Neurotology /SkullBase Surgery

### **Education and Training**

1989-1993 University of Southern California  
B.S. Magna Cum Laude, Psychology/Biology  
1993-1999 Washington University School of Medicine  
Medical Scientist Training Program  
M.D./Ph.D. Department of Anatomy and Neurobiology  
1999-2000 Washington University School of Medicine  
Research Fellow – Facial nerve regeneration  
2000-2001 Barnes-Jewish Hospital – Washington University School of Medicine  
General Surgery Internship  
2001-2004 University of California, San Diego  
Department of Surgery – Division of Otolaryngology-Head and Neck Surgery  
Resident Physician  
2004-2005 University of California, San Diego  
Department of Surgery – Division of Otolaryngology-Head and Neck Surgery  
Chief Resident Physician  
2005-2007 University of California, San Diego  
Department of Surgery – Division of Otolaryngology-Head and Neck Surgery  
Clinical fellowship – Neurotology-Skull Base Surgery

## **Employment**

- 1989-1990 Research Assistant - University of California, Los Angeles – Olsen laboratory  
1990-1993 Research Assistant – University of Southern California – Baudry laboratory  
1995-1996 Teaching Assistant (Medical Anatomy)  
Washington University School of Medicine  
2007-2008 University of California, San Diego  
Department of Surgery, Division of Otolaryngology-Head and Neck Surgery –  
Clinical Instructor and Management Senior Professional  
2008-present University of California, San Diego  
Department of Surgery, Division of Otolaryngology-Head and Neck Surgery  
Assistant Professor of Surgery, In Residence

## **Honors and Awards**

- 1989-1993 Resident Honors Award – Full merit base scholarship for tuition and living expenses  
University of Southern California  
1990 Thematic Options Award – University of Southern California  
1991 Golden Key Society Award – University of Southern California  
1993 B.S. Magna cum laude - University of Southern California  
1993 Phi Beta Kappa - University of Southern California  
1993-1999 Medical Scientist Training Program – Washington University School of Medicine  
1998 Spencer and Ann Olin Medical Scientist Fellow – Washington University School of  
Medicine  
2002 Southern California Resident’s Research Symposium – Best Basic Science Research  
2005 Chairman's Prize in Surgery - University of California, San Diego  
2007 Society for Molecular Imaging – Award for travel for scientific presentation at the  
Joint Molecular Imaging Conference – Providence Rhode Island  
2007 UCSD candidate nominee for Culpeper Scholar Award  
2007 Notified of K08 Career Development Award approval from NIH/NIBIB “Testing  
Surgery with Molecular Fluorescence Imaging Guidance” to be funded on first  
submission ahead of schedule from September 2007 to July 2012.

## **Grant Support**

- 2007-2012 K08 Career Development Award - NIH/NIBIB “Testing Surgery with Molecular  
Fluorescence Imaging Guidance” September 2007 to July 2012.  
2002-2005 University of California San Diego Academic Senate Grant - Studies of Facial Nerve  
Regeneration under Fluorescent Monitoring. Quyen T. Nguyen, M.D./Ph.D. and  
Kris S. Moe, M.D., co-investigators.

## **Teaching Experience**

### **Courses:**

- 1996 Teaching Assistant - Medical School Neuroscience Course  
Washington University School of Medicine
- 2001 Teaching Assistant – Medical School Anatomy Course  
University of California, San Diego School of Medicine
- 2005-2007 Course Instructor – Temporal Bone Anatomy Course  
Doctorate of Audiology Program  
(SDSU/UCSD Combined AuD Program)

### **Student Mentoring:**

- 1993-1998 Young Scientist Training Program  
Washington University School of Medicine
- 2006-present Chair person: Audiology Doctorate Thesis  
Student: John King  
Exostosis: Postoperative complications and laterality due to winchill factor
- 2007-present The National Institutes of Health (NIH) " Pre-doctoral Clinical Research Training Program”  
Student: Bonnie Vorasubin  
Uptake of activatable polycationic
- 2008-present Chair person: Audiology Doctorate Thesis  
Student: Linday Money maker  
Changes in DPAOE amplitude following a controlled noise exposure

### **Otolaryngology Faculty Oral Examiner:**

- Fall 2007 Surgery 401
- Winter 2007 Surgery 401
- Spring 2008 Surgery 401

### **Invited Speaker**

- 2007 International Assn for the Hearing Challenged Annual Meeting – May 2007
- 2007 International Assn for the Hearing Challenged Monthly Meeting – September 2007
- 2008 Alpha Epsilon Delta – National Premedical Honor Society – March 2008
- 2008 UCSD Bilateral Cochlear Implantation Forum – June 2008

### Invited Editorial Consultants

- 2006           Hearing Loss Module – American College of Physician - Physician’s Information and Education Resource (PIER) Quyên Nguyen and Jeffrey Harris – co-editorial consultants.
- 2008           Otolaryngologic Clinics of North America – Guest Editor: Meniere’s disease .

### Peer Reviewed Publications

1. McCann, CM \* **Nguyen, QT**, \* (\*equal contribution) Santo Neto, H and Lichtman, JW. Rapid Synapse Elimination after Postsynaptic Protein Synthesis Inhibition *In Vivo*. **Journal of Neuroscience**, 2007 May 27(22):6064-6067
2. Jiang T, Olson ES, **Nguyen QT**, Roy M, Jennings PA, Tsien RY. Tumor imaging by means of proteolytic activation of cell-penetrating peptides. **Proc Natl Acad Sci U S A**. 2004 Dec 21;101(51):17867-72.
3. **Nguyen QT**, Sanes JR, Lichtman JW. Pre-existing pathways promote precise projection patterns. **Nature Neuroscience** (article) 2002 Sep;5(9):861-7.
4. Feng G, Mellor RH, Bernstein M, Keller-Peck C, **Nguyen QT**, Wallace M, Nerbonne JM, Lichtman JW, Sanes JR. Imaging neuronal subsets in transgenic mice expressing multiple spectral variants of GFP. **Neuron**. 2000 Oct;28(1):41-51.
5. **Nguyen QT**, Son YJ, Sanes JR, Lichtman JW. Nerve terminals form but fail to mature when postsynaptic differentiation is blocked: in vivo analysis using mammalian nerve-muscle chimeras. **Journal of Neuroscience**. 2000 Aug 15;20(16):6077-86.
6. Burgess RW, **Nguyen QT**, Son YJ, Lichtman JW, Sanes JR. Alternatively spliced isoforms of nerve- and muscle-derived agrin: their roles at the neuromuscular junction. **Neuron**. 1999 May;23(1):33-44.
7. Sanes JR, Apel ED, Burgess RW, Emerson RB, Feng G, Gautam M, Glass D, Grady RM, Krejci E, Lichtman JW, Lu JT, Massoulie J, Miner JH, Moscoso LM, **Nguyen Q**, Nichol M, Noakes PG, Patton BL, Son YJ, Yancopoulos GD, Zhou H. Development of the neuromuscular junction: genetic analysis in mice. **Journal of Physiology Paris**. 1998 Jun-Aug;92(3-4):167-72.
8. **Nguyen QT**, Parsadanian AS, Snider WD, Lichtman JW. Hyperinnervation of neuromuscular junctions caused by GDNF overexpression in muscle. **Science**. 1998 Mar 13;279(5357):1725-9.
9. **Nguyen QT**, Lichtman JW. Mechanism of synapse disassembly at the developing neuromuscular junction. **Current Opinion in Neurobiology**. 1996 Feb;6(1):104-12.

10. **Nguyen QT**, Sapp, DW, Van Ness, PC, and Olsen, RW. Modulation of GABA<sub>A</sub> receptor binding in human brain by neuroactive steroids: species and brain regional differences. *Synapse* 1995 **19**(2): 77-87.
11. Nakatsu, Y, Tyndale, RF, DeLorey, TM, Durham-Pierre, D, Gardner, JM, McDanel, HJ, **Nguyen, QT**, Wagstaff, J, Lalande, M, Sikela, JM, Brilliant, BM. A cluster of three GABA<sub>A</sub> receptor subunit genes is deleted in a neurological mutant of the mouse p locus. *Nature* 1993 364: 448-450.

### **Manuscripts under Review**

1. JF King, AC Kinney, SF Iacobellis II, TH Alexander, JP Harris, P Torre III, JK Doherty, QT Nguyen. Laterality of Exostosis in Surfers Due to Wind Chill Effect. *Otolaryngology-Head and Neck Surgery*, 2008.
2. QT Nguyen, B Mastrodimos, RA Cueva. Impact of fundal extension on hearing after surgery for acoustic neuromas. *Laryngoscope* 2008.
3. N Vorasubin, H U, M Mafee, QT Nguyen. Glossopharyngeal Schwannomas: A 100 year Review. *Laryngoscope*, 2008.

### **Manuscripts in preparation**

1. ES Olson, TA Aguilera, T Jiang, M Whitney, M Scadeng, S Tsimikas, RY Tsien, QT Nguyen. Visualizing atherosclerotic plaques with activatable cell-penetrating peptides.
2. ES Olson, M Whitney, QT Nguyen, TA Aguilera, B Friedman, P Lyden, T Jiang, , M Scadeng, S Tsimikas, RY Tsien, Visualizing stroke and atherosclerotic plaques with thrombin-based activatable cell penetrating peptides.
3. QT Nguyen, ES Olson, TA Aguilera, N Vorasubin, T Jiang, M Scadeng, RY Tsien. Improved efficacy of tumor resection and survival with intraoperative molecular fluorescence imaging guidance (MFIG).

### **Book Chapters**

1. Nguyen, QT, Davidson, TM (2007) Sinusitis. Wilson, WC, Grande CM, Hoyt, DB, Trauma Critical Care, Volume 2 (pp. 899-906). New York: Informa Health Care USA, Inc.
2. Viirre ES, Nguyen QT (2007) Tinnitus. In: Harris JP, Weisman MW (eds). Head and Neck Manifestations of Systemic Disease. (379-384). New York: Informa Healthcare USA, Inc.

## **Presentations**

Vorasubin N, Nguyen QT, Olson ES, Aguilera TA, Jiang T, Tsien RY. Cell Penetrating Peptide Uptake by Human Cancer, American Academy of Otolaryngology—Head and Neck Surgery, Chicago (oral presentation) 2008.

Nguyen QT, Olson ES, Aguilera TA, Vorasubin N, Jiang T, Tsien RY Surgery with Molecular Fluorescence Imaging Guidance, American Academy of Otolaryngology-Head and Neck Surgery, Chicago (poster) 2008.

ES Olson, TA Aguilera, T Jiang, M Whitney, S Tsimikas, RY Tsien, QT Nguyen. Visualizing Atherosclerotic Plaques with Cell Penetrating Peptides. World Molecular Imaging Congress, Nice France 2008.

T Aguilera, E Olson, T Jiang, T Barder, J Crisp, QT Nguyen, M Scadeng, L Ellies, RY Tsien Translation of activatable cell penetrating peptides for use in clinical contrast agent and therapeutic development, Nice France 2008.

Nguyen, QT, Mastrodimos, BJ, Cueva, RA. Does fundal tumor extension have a negative impact on hearing preservation in surgery for intracanalicular acoustic neuromas? Triological Society Annual Meeting, (oral presentation) Orlando, FL 2008.

Nguyen, QT, Olson, E, Jiang, T., Steinbach, P, Aguilera, T, Hoffman, R, Tsien, R. Testing Surgery Guided by Molecular Fluorescence Imaging (MFI). Joint Molecular Imaging Conference (poster) Providence, RI 2007.

Olson, E, Jiang, T, Wong, E, Nguyen, Q, Ellies, L, Scadeng, M, Aguilera, T, Vera, D, Tsien, R. Tumor Imaging with Cell Penetrating Peptides Activated by Matrix Metalloproteinases, Society for Molecular Imaging (presentation) Hawaii, 2006.

Olson, E, Aguilera, T, Jiang, T, Wong, E, Nguyen, Q, Ellies L, Scadeng, M, Vera, D, Tsien, R. Tumor Imaging with Cell Penetrating Peptides Activated by Matrix Metalloproteinases, Keystone MD/PhD Conference (presentation) 2006.

Aguilera, TA, Olson, ES, Jiang, T, Wong, EH, Nguyen, Q, Scadeng, M, Ellies, L, Tsien, RY. Tumor imaging and therapy with activatable cell penetrating peptides. Molecular Diagnostics Conference (poster) 2006.

Nguyen, QT, Moe, KS. Facial nerve repair using cyanoacrylate adhesive in GFP-transgenic mice. American Academy of Facial Plastics and Reconstructive Surgery (presentation) 2004.

### **Grand Rounds/Lectures**

Nguyen, QT, Olson, E, Aguilera, T, Vorasubin, N, Jiang, T., Steinbach, P, Hoffman, R, Tsien. Testing Surgery with Molecular Fluorescence Imaging Guidance. UCSD Department of Pharmacology, Jan 2008.

Nguyen, QT, Olson, E, Aguilera, T, Vorasubin, N, Jiang, T., Steinbach, P, Hoffman, R, Tsien. Improved Surgical Efficacy and Survival with Intraoperative Molecular Fluorescence Guidance . UCSD Department of Surgery, March 2008.

### **Membership/Affiliations**

2003-present American Academy of Otolaryngology – Head and Neck Surgery  
2007-present American College of Surgeons – Associate Fellow Member  
2007-present Society for Molecular Imaging  
2007-present Triologic Society – Post Graduate Member