**FEI GAO**

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**Expertise**

• Cryostat and Immunohistochemistry stainings • Western blotting and microscopes

• Lab management and maintenance of lab equipment • Statistical data analysis and interpretation

• Extensive knowledge in Microbiology, Chemistry, Immunology, Physiology and Molecular biology

• Riched experience in biomedical and translational molecular laboratories

• Extensive knowledge in various bio-technologies and instruments

• Critical thinking, new technology implementation and protocol development

**Experience**

* **Volunteer (remote), Go and Love Foundation**  Oct 2021 - Dec 2022
	+ **Bible Teacher** for high-school students Mar - Dec 2022
	+ **Trainer,** independently developed a curriculum for a three-week teacher training program for junior middle school and senior high school teachers Oct 2021 - Feb 2022
* **Part-time Translator (remote), CNKI International Publishing Center** Feb - Aug 2021
	+ Translated published scientific articles which were written in Chinese into English
* **Lab Manager, Department of Anesthesiology, University of Pittsburgh**

 PI: Dr. Aman ManhajanApr 2019 - Feb 2021

* + Trained lab personnel, managed lab documents and inventory
	+ Independently set up and oversaw a translational molecular lab
	+ implemented and performed immunohistochemistry staining, Western blotting and confocal imaging in the lab; assisted PI with data analysis, interpretation, and manuscripts writing
* **Postdoc Fellow-Neuroscientist, Sensory Neuroscience Research Center, West Virginia University**  PI: Dr. Albert Berrebi May 2011 - Jun 2017
	+ Assisted PI with experiment design, data collecting and analysis, as well as grant applications
	+ Implemented and applied confocal imaging and optogenetics in the lab
	+ Trained lab personnel, managed lab documents and inventory
* **Graduate Research Assistant, Key Laboratory of Brain Functional Genomics, Ministry of Education School of Life Science, ECNU** PI: Dr. Jiping ZhangSept 2005 - Dec 2010
	+ Served as team leader and independently managed two research projects
	+ Extensively trained in electrophysiology, microbiology, ELISA, PCR, and Western Blotting, etc
* **Assistant Lab Manager, ECNU** PI: Dr. Jiping Zhang Sept 2005 - Dec 2010
	+ reimbursement management, equipment maintenance and calibration, lab inventory management, personnel training and undergraduate students supervision
* **Graduate Teaching Assistant School of Life Science, ECNU** Sept 2005 - Jan 2006
	+ Undergraduate course: Animal Physiology Experiment
* **Undergraduate Research Assistant, Auditory Molecular & Biology Laboratory,** **ECNU**

PI: Dr. Xinde SunJuly2003 - July 2005

* + Participated in two neuroscience research projects
	+ Developed a water-maze-based animal behavior testing protocol, and the corresponding work was awarded Encouragement Award in campus-level scientific competition in 2004
* **Part-time Mathematics Tutor** for middle and high school students 2001 - 2006

**Education**

* **Ph.D. in Physiology** Sept 2005 - Dec 2010

School of Life Science, East China Normal University (ECNU), Shanghai, China

* **B.S. in** **Biotechnology GPA 3.65/4.0** Sept 2001 - Jul 2005

School of Life Science, ECNU, Shanghai, China

**B.S. in** **Business Administration** Feb 2003 - Jan 2006

School of Business, East China University of Science and Technology (ECUST), Shanghai, China

* **Counseling classes** Oct 2022 - Mar 2023

Lay counseling, Bible and counseling, China Evangelical Seminary North America, West Covina, CA

**Honors and Awards**

* Postdoctoral Fellow Travel Award from HSC WVU in 2016
* Association for Research in Otolaryngology (ARO) travel award in 2015
* Shanghai Excellent Graduate in 2010
* Excellent Student of ECNU in 2008 and 2009
* Scholarship for Excellent Postgraduate Student in 2006 and 2009
* Second Grade Award of Minority Students Scholarship of ECNU in 2006
* Encouragement Award in the 12th "*Daxia Cup*" ECNU Extracurricular Academic Science and Technology Work Competition in 2004
* Excellent Student Union Cadre of ECNU in 2003
* Third Grade Award of ECNU Specialty Scholarship in 2003 and 2004

**Activities**

* Class President 2008-2010
* Head of Learning Division in Students Union 2003-2004
* Editor-in-chief and Founder of college journal 2003-2004

**Selected Publications**

* **Papers**
1. Howard-Quijano K, Yamaguchi T, **Gao F**, Kuwabara Y, Puig S, Lundquist E, Salavatian S, Taylor B, Mahajan A. Spinal cord stimulation reduces ventricular arrhythmias by attenuating reactive gliosis and activation of spinal interneurons. JACC Clin Electrophysiol. 2021 Oct;7(10):1211-1225
2. **Gao F**‚ Chen L, Zhang JP. Non-uniform impacts of forward suppression on neural responses to preferred stimuli and non-preferred stimuli in the rat auditory cortex. European Journal of Neuroscience. 2018; 47(11):1320-1338
3. **Gao F**, Kadner A, Felix RA, Chen L, Berrebi AS. Forward masking in the superior paraolivary nucleus of the rat. Brain Structure and Function. 2016; 222 (1) 365-379
4. **Gao F**, Berrebi AS. Forward masking in the medial nucleus of the trapezoid body of the rat. Brain Structure and Function. 2015; 221(4): 2303-2317
5. **Gao F**‚ Zhang JP. The effect of a preceding sound on the level discrimination of a successive sound in binaural conditions. Progress in Biochemistry and Biophysics 2011; 38(2): 142-150
6. **Gao F**‚ Zhang JP, Sun XD‚ Chen L. The effect of postnatal exposure to noise on sound level processing by auditory cortex neurons of rats in adulthood. Physiol Behav 2009;97(3-4):369-373
7. **Gao F**, Pu Q, Chen L, et al. Influence of prenatal noise exposure on the auditory object exploration behavior of adult rats. Chinese Journal of Zoology 2007;42(5):20-26
8. **Gao F**, Zhang JP. The impact of noise on health. Biology Teaching 2007; 32(2):10