

Curriculum Vitae

Total number of pages: 5

Name: Lin Gao

Date: April 13, 2012

PRESENT PROFESSIONAL POSITION

Institution: "Consejería de Salud"
Faculty, School or Institute: "Instituto de Biomedicina de Sevilla" (IBiS)
Department: Neuroscience
Address: Hospital Universitario Virgen del Rocío
 Avda. Manuel Siurot, s/n
 41013 Seville
Country: Spain

Professional status: Researcher

Start date: February 10, 2010

ACADEMIC BACKGROUND

<i>Bachelor</i>	<i>Centre</i>	<i>Date</i>
Biochemistry	Nankai University, China	01/07/1992
Nutrition (Master)	University of Hawaii, USA	04/08/1996

<i>Ph.D.</i>	<i>Centre</i>	<i>Thesis Supervisor</i>	<i>Date</i>
Molecular Pharmacology & Toxicology	University of Southern California, USA	Dr. Henry Jay Forman	18/12/2000

PAST SCIENTIFIC EXPERIENCE

<i>Position</i>	<i>R&D Centre</i>	<i>Institution</i>	<i>Start date</i>	<i>End date</i>
Lecturer/Research assistant	Dept. of Biochemistry	Tianjin Medical University, China	07/1992	07/1994
Graduate student (Master)	Dept. of Nutrition	University of Hawaii, USA	01/08/1994	08/1996
PhD graduate student	Dept. of Molecular Pharmacology & Toxicology	University of Southern California, USA	08/1996	31/07/1999
Research assistant	Dept. of Environmental Health Sciences	University of Alabama at Birmingham, USA	01/08/1999	20/10/2000
Postdoctoral fellow	Dept. of Microbiology	University of Alabama at Birmingham, USA	30/10/2000	30/11/2001
Postdoctoral fellow (NATO)	Dept. of Physiology	Universidad de Sevilla	01/01/2002	31/12/2002
Postdoctoral fellow	Dept. of Physiology	Universidad de Sevilla	01/08/2002	31/01/2004
Research associate	Laboratorio de Investigaciones Biomédicas	Hospital Virgen del Rocío	10/02/2004	09/02/2010

CURRENT PARTICIPATION IN RESEARCH PROJECTS

- PROJECT TITLE: "Sensibilidad al oxígeno y neurodegeneración"
CENTER: University of Seville/Hospital Universitario Virgen del Rocío, Servicio Andaluz de Salud
FINANCIAL ENTITY: Fundación Marcelino Botín
LENGTH: 2007-2012
PI: José López Barneo
- PROJECT TITLE: "Estudio del papel del cerebelo en la enfermedad de Parkinson mediante estimulación magnética transcraneal y su modulación por fármacos dopaminérgicos, cirugía funcional y factores genéticos. (Proyecto de investigación de excelencia CVI-02526)"
CENTER: Hospital Universitario Virgen del Rocío, Servicio Andaluz de Salud
FINANCIAL ENTITY: CICE (Andalucian government)
LENGTH: 31/01/2008-31/01/2012
PI: Pablo Mir
- PROJECT TITLE: "Estudio de los mecanismos de protección y mantenimiento de las neuronas catecolaminérgicas postnatales por el factor neurotrófico derivado de la glía (GDNF). Proyecto de investigación de excelencia CTS-3560"
CENTER: Hospital Universitario Virgen del Rocío, Servicio Andaluz de Salud
FINANCIAL ENTITY: CICE (Andalucian government)
LENGTH: 01/02/2009-08/02/2012
PI: Alberto Pascual
- PROJECT TITLE: Oxygen sensing and neurodegeneration
CENTER: Facultad de Medicina y Hospital Universitario Virgen del Rocío, Universidad de Sevilla y Servicio Andaluz
FINANCIAL ENTITY: Plan nacional (Spanish government SAF2009-12049)
LENGTH: 01/01/2010-31/12/2012
PI: José López Barneo

PUBLICATIONS (PEER-REVIEWED ARTICLES)

1. Zhou H, Duncan RF, Robison TW, **Gao L**, Forman HJ.
Ca(2+)-dependent p47phox translocation in hydroperoxide modulation of the alveolar macrophage respiratory burst.
Am J Physiol. 1997, 273:L1042-7.
2. Liu RM, **Gao L**, Choi J, Forman HJ.
Gamma-glutamylcysteine synthetase: mRNA stabilization and independent subunit transcription by 4-hydroxy-2-nonenal.
Am J Physiol. 1998, 275:L861-9.
3. **Gao L**, Kim KJ, Yankaskas JR, Forman HJ.
Abnormal glutathione transport in cystic fibrosis airway epithelia.
Am J Physiol. 1999, 277:L113-8.

4. **Gao L**, Broughman JR, Iwamoto T, Tomich JM, Venglarik CJ, Forman HJ.
Synthetic chloride channel restores glutathione secretion in cystic fibrosis airway epithelia.
Am J Physiol Lung Cell Mol Physiol. 2001, 281:L24-30.
5. **Gao L**, Yankaskas JR, Fuller CM, Sorscher EJ, Matalon S, Forman HJ, Venglarik CJ.
Chlorzoxazone or 1-EBIO increases Na(+) absorption across cystic fibrosis airway epithelial cells.
Am J Physiol Lung Cell Mol Physiol. 2001, 281:L1123-9.
6. Keeling KM, Lanier J, Du M, Salas-Marco J, **Gao L**, Kaenjak-Angeletti A, Bedwell DM.
Leaky termination at premature stop codons antagonizes nonsense-mediated mRNA decay in *S. cerevisiae*.
RNA. 2004, 10:691-703.
7. **Gao L**, Mejías R, Echevarría M, López-Barneo J.
Induction of glucose-6-phosphate dehydrogenase gene expression by chronic hypoxia in PC12 cells.
FEBS Letter. 2004, 569:256-260.
8. Mejías R, Villadiego j, Pintado CO, Vime PJ, **Gao L**, Toledo-Aral JJ, Echevarría M, López-Barneo.
Neuroprotection by transgenic expresión of glucosa-6-phosphate dehydrogenase in dopaminergic nigrostriatal neurons of mice.
The Journal of Neuroscience. 2006, 26:4500-4508.
9. **Gao L***, Mir P, Díaz-Corrales FJ, Mejías R, Carrillo F, Vime PJ, Díaz-Martín J, Palomino A, Carballo M, Pintado E, Lucas M, López-Barneo J (***Corresponding author**)
Glucose-6-phosphate dehydrogenase activity in Parkinson's disease.
Journal of Neurology. 2008, 255:1850-1851.
10. **Gao L***, Gómez-Garre P*, Díaz-Corrales FJ, Carrillo F, Carballo M, Palomino A, Díaz-Martín J, Mejías R, Vime PJ, López-Barneo J, Mir P (***Equal contribution**)
Prevalence and clinical features of *LRRK2* mutations in patients with Parkinson's disease in southern Spain.
European Journal of Neurology. 2009, 16:957-960.
11. **Gao L**, Díaz-Corrales FJ, Carrillo F, Díaz-Martín J, Caceres-Redondo MT, Carballo M, Palomino A, López-Barneo J, Pablo Mir
Brain-derived neurotrophic factor G196A polymorphism and clinical features in Parkinson's disease.
Acta Neurologica Scandinavica. 2010, 122:41-45.
12. Romero-Ruíz A, Mejías R, Díaz-Martín J, López-Barneo J, **Gao L*** (***Corresponding author**)
Mesencephalic and striatal protein profiles in mice over-expressing glucose-6-phosphate dehydrogenase in dopaminergic neurons.
Journal of Proteomics. 2010, 73:1747-1757.

13. Costa A*, **Gao L***, Carrillo F, Cáceres-Redondo MT, Carballo M, Díaz-Martín J, Gómez-Garre P, Sobrino F, Lucas M, López-Barneo J, Mir P, Pintado E (***Equal contribution**)
Intermediate alleles at the *FRAXA* and *FRAXE* loci in Parkinson's disease.
Parkinsonism & Related Disorders. 2011, 17(4):281-4.
14. **Gao L***, Díaz-Martín J, Dillmann WH, and López-Barneo J* (***Corresponding author**)
Heat shock protein 70 kDa over-expression and 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced nigrostriatal degeneration in mice.
Neuroscience. 2011, 193, 323-9

AWARDS, HONORS, AND OTHER ACHIEVEMENTS

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|-------------------|--|
| 1989-1992 | Undergraduate fellowship, Nankai University, Tianjin, China |
| 1995 | Award for poster presentation at The Student Research Symposium, CTAHR, University of Hawaii, USA |
| 1996 | Jesse Cheng Schorlaship, Organization of Chinese Americans, Hawaii, USA |
| 1998 | Award for poster presentation at School of Medicine Graduate Student Research Forum, University of Southern California, USA |
| 30/10/00-29/10/01 | Postdoctoral fellowship, National Institutes of Health Postdoctoral Training Grant (5 T32 HL07553 "Lung Pathogenesis Training Grant"), USA |
| 01/01/02-31/12/02 | Postdoctoral fellowship NATO/National Science Foundation, USA |
| 01/08/02-31/01/04 | Postdoctoral fellowship, "Ayudas para estancias de profesores, investigadores, doctores y tecnólogos extranjeros en España, Ministerio de Educación, Cultura y Deporte", Spanish government. |