

BIOGRAPHICAL SKETCH

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| | | | |
|---|----------------------------------|--|---------------------------|
| NAME Yuhua Wang | | POSITION TITLE Staff Research Associate III | |
| eRA COMMONS USER NAME | | | |
| EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i> | | | |
| INSTITUTION AND LOCATION | DEGREE <i>(if applicable)</i> | YEAR(s) | FIELD OF STUDY |
| Fu-Dan University, Shanghai, China | B.S. | 1975 | Microbiology/Biochemistry |
| Center for Disease Control, Atlanta, Georgia | Visiting Sch. | 1989 | Microbiology/Biochemistry |
| University of California, Los Angeles | Visiting Sch. | 1989 | Molecular Biology |

A. Positions and Honors.**Positions and Employment**

1975 – 1982 Assistant Researcher, Shanghai Academy of Agricultural Sciences
 1982 – 1987 Assistant Researcher, Shanghai Institute of Biological products
 1990 – Present Staff Research Associate, Department of Medicine, UCLA

Other Experience and Professional Memberships

Shanghai Microbiological Society. Society for Neuroscience USA

B. Selected peer-reviewed publications (in chronological order).

1. A new species of streptomyces cinereous group-streptomyces musae. Acta Microbiological Sinica 1979.
2. Preparation of anti-human fibronectin antiserum. Chinese Immunological Magazine 1984.
3. Zhang JH, Henning SM, Heber D, Choi J, **Wang YH**, Swendseid ME, Go VLW. NADPH-cytochrome P-450 reductase, cytochrome P-450 2C11 and P-450 1A1, and the Ary1 hydrocarbon receptor in livers of rats fed methyl-folate-deficient diets. Nutrition and Cancer 1997;28:160-164.
4. Wei JY, **Wang YH**, Taché Y, Go VLW. Esophageal distention induced gastric relaxation is mediated in part via peripheral vagal afferent mechanism in rats. J Auto Nerv Syst 1997;63:12-18.
5. **Wang YH**, Taché Y, Scheibel AB, Go VLW, Wei JY. Two types of leptin responsive gastric vagal afferent terminals: an in vitro single-unit study in rats. American Journal of Physiology: Regulatory Integrative Comp Physiol 1997;273:R833-R837.
6. **Wang YH**, Go VLW, Wu SV, Wei JY. Stem cell factor alters membrane potential of purified peritoneal mast cells in culture. American Journal of Physiology: Cell Physiology 1997;272:C1017-C1024.
7. Wei JY, **Wang YH**. Effect of CCK pretreatment on the CCK sensitivity of rat polymodal gastric vagal afferent in vivo. AJP: Endocrinology & Metabolism 2000;279:E695-E706.
8. Glatzle J, **Wang Y**, Adelson DW, Kalogeris TJ, Zittel TT, Tso P, Wei JY, Raybould HE. Chylomicron components activate duodenal vagal afferents via a cholecystokinin A receptor-mediated pathway to inhibit gastric motor function in the rat. J Physiol 2003;550:657-664.
9. **Wang YH**, Taché Y, Harris AG, Kreutner W, Daly AF, Wei JY. Desloratadine prevents compound 48/80-induced mast cell degranulation: Visualization using a vital fluorescent dye technique. Allergy 2004 DOI: 10.1111/j.1398-9995.2004.006411.x

Abstracts

10. **Wang YH**, Wei JY, Go VLW. Mesenteric mast cell activation by splanchnic nerve stimulation and visualized with video imaging technique. The Third Congress of Asian and Oceanian Physiological Societies (FAOPS). Shanghai, China, 1994.
11. **Wang YH**, Go VLW, Wei JY. In vivo splanchnic nerve electrical stimulation activated mesenteric mast cells. Soc Neurosci Abst 1994;20:105.
12. **Wang YH**, Wei JY, Wu SV, Go VLW. Stem cell factor (SCF) alters membrane potential of purified peritoneal mast cell (PMCs) in culture. Gastroenterology 1994;106:A849.

13. **Wang YH**, Wei JY, Go VLW. Effect of capsaicin intraperitoneal administration on mesenteric and peritoneal mast cells. Soc Neurosci Abst 1995;21:2073.
14. **Wang YH**, Taché Y, Scheibel AB, Go VLW, Wei JY. Cholecystokinin synergistically interacts with leptin to activate gastric vagal afferent terminals. Soc Neurosci Abst 1996;22:1049.
15. **Wang YH**, Taché Y, Wei JY. Leptin pretreatment alters the cholecystokinin responsiveness of gastric vagal afferent terminals. Gastroenterology 1997;112:A849.
16. **Wang YH**, Taché Y, Barrachina MD, Martinez V, Scheibel AB, Go VLW, Wei JY. Identification of CCK-leptin responsive vagal afferent (GVA) terminals in an in vitro mice gastric vagus-stomach preparation. Soc Neurosci Abst 1997;23:431.
17. **Wang YH**, Taché Y, Wei JY. Cholecystokinin-responsive gastric vagal afferents *in vitro* in rats. Gastroenterology 1998;114:A1189.
18. **Wang YH**, Taché Y, Adelson DW, Wei JY. Two-way modulatory action of leptin on rat's gastric vagal afferents signaling *in vitro*. Soc Neurosci Abst 1998;24:1121.
19. **Wang YH**, Ngai C, Miampamba M, Taché Y, Wei JY. The role of the mucosa layer on the chemosensitivity of polymodal gastric vagal afferents *in vitro*. Soc Neurosci Abst 1999;25:411.
20. **Wang YH**, Mayer EA, Ennes HS, Taché Y, Wei JY. Vagal afferent response to gastric distension in c-Kit mutant mice and their wild-type siblings: an in vitro study. Gastroenterology 1999;116:A1099.
21. **Wang YH**, Raybould HE, Wei JY. Mechanosensitivity and Chemosensitivity of vagal afferents innervating the duodenum *in vitro*. Gastroenterology 2000;118:A173.
22. **Wang YH**, Wei JY, McRoberts JA, Mayer EA. NMDA modulates the mechanosensitivity of rat inferior splanchnic afferents *in vitro*. Annual meeting of Neurosciences 2002.
23. **Wang YH**, Wei JY, Mayer EA, McRoberts JA. The Glutamate receptor agonist NMDA dose-dependently increases the basal activity and alters the colorectal distension responsiveness of rat inferior splanchnic afferents *in vitro*. Gastroenterology 2002;22:A408.
24. **Wang YH**, Mayer EA, McRoberts JA, Wei JY. Characterization of colorectal distension-responsive polymodal afferents of the rat inferior splanchnic nerve *in vitro*. Gastroenterology 2002;122:A410.
25. **Wang YH**, Wei JY, McRoberts JA, Mayer EA. The effect of Mg²⁺ and D-serine on the NMDA responsiveness of rat inferior splanchnic afferents *in vitro*. Gastroenterology 2003;124:A249.
26. **Wang YH**, Wei JY, Mayer EA. A selective 5-HT₄ receptor antagonist blocks the effect of tegaserod on rat inferior splanchnic afferents *in vitro*. Gastroenterology 2003;124:A569.
27. **Wang YH**, McRoberts JA, Mayer EA. The glutamate analogue, N-Methyl-D-Aspartate (NMDA), non-specifically activates inferior splanchnic afferent fibers innervating the distal colon. Gastroenterology 2004;124:A-482.
28. **Wang YH**, Million M, Wang L, Yuan PQ, McRoberts JA, Wei JY, Taché Y. A selective CRF₂ receptor agonist, urocortin 2, blunts colorectal distention-induced activation of rat inferior splanchnic afferents in vitro. Gastroenterology 2004;126:A-592.

C. Research Support

Ongoing Research Support

DK 33061 Taché Y (PI)

04/01/03 – 08/31/08

NIH/NIDDK

Corticotropin-Releasing Factor: Action on GI Function.

Aims to determine the roles and mechanisms of the spinal and supraspinal CRF system on gastrointestinal function in health and stress condition.

Role: To use a newly developed rat in vitro isolated inferior splanchnic nerve-distal colon preparation to conduct the proposed study.

DK 58173 Mayer (PI)

07/01/01 – 06/30/06

NIH/NIDDK

Role of peripheral NMDA receptors in visceral nociception

The proposal will identify and investigate the role of peripheral NMDA receptors in short and long term sensitization of extrinsic primary afferent neurons innervating the colon.

Principal Investigator/Program Director (Last, First, Middle):

Role: To use a newly developed rat in vitro isolated inferior splanchnic nerve-distal colon preparation to conduct the proposed study.

Completed Research Support

DK484762 Wei (PI)

07/01/96 – 06/30/01

NIH/NIDDK

Descending influence of collateral gastric vagal afferents

The goals of the project were to characterize gastric vagal afferents (GVAs), to establish the basic properties of the GVA collateral and to investigate the physiological significance.

Role: To assist the PI in searching literature, doing routine surgical preparations of animals experiments, conducting computer data analysis, and using and maintaining the laboratory setup.