

Chandan Prasad, PhD  
Professor and Chair  
Department of Nutrition and Food Sciences  
306 OMB; (940) 898-2636  
CPrasad@twu.edu

## **CURRICULUM VITA**

### **EDUCATION**

PhD (1970), Microbiology & Biochemistry, Louisiana State University, Baton Rouge, LA

MSc (1966), Microbiology & Chemistry, GB Pant University of Technology, India

BSc (Hons) (1964), Agric. & Animal Sci, GB Pant University of Technology, India

### **RESEARCH INTERESTS**

Dr. Prasad investigates etiology of obesity and related metabolic disorders in animal models of obesity and biology of fat cell and adipokines in tissue culture models using biologic, biochemical and molecular biology techniques. The laboratory is also interested in examining role of botanicals and functional foods obesity and adipobiology.

### **SELECTED PUBLICATIONS**

Prasad, C., S. Kumar, W. Adkinson and J.U. McGregor (1995). Hormones in food: Abundance of cyclo(His-Pro)-like immunoreactivity in milk and yogurt. *Nutrition Res* 15:1623-1635.

Mizuma, H., B.Y. Legardeur, C. Prasad, and C.W. Hilton (1996). The bioactive peptide cyclo(His-Pro) may be absorbed following ingestion of nutritional supplements that contain it. *J Am Coll Nutr* 15: 175-179.

Prasad, Anand and C. Prasad (1996). Agmatine enhances caloric intake and dietary carbohydrate preference in satiated rats. *Physiol & Behav* 60:1187-1189.

Mizuma, H., F. Svec, C. Prasad and C. Hilton (1997). Cyclo(His-Pro) augments the insulin response to oral glucose in rats. *Life Sci* 60: 369-374.

Cook, C.B., L. Shawar, H. Thompson and C. Prasad (1997). Caloric intake and weight gain of rats depends on endogenous fat preference. *Physiol & Behav* 61:743-748.

DeBlieux, P., H Mizuma, C Prasad and CW Hilton (1998). The neuropeptide cyclo(His-Pro) levels are increased in diabetic ketoacidosis and fall with treatment in parallel with levels of glucagon. *Nutr Neurosc* 1: 161-164.

Herminghuysen, David, K. Plaisance, R. M. Pace, III, and Chandan Prasad (1998). Prolonged

stimulation of corticosterone secretion by corticotropin-releasing hormone in rats exhibiting high preference for dietary fat. *Nutr Neurosc* 1: 251-254.

Imamura, M. and C. Prasad (1998) Fasting- and feeding-associated changes in enterostatin (Val-Pro-Asp-Pro-Arg)-like immunoreactivity in the rat brain. *Nutr Neurosc* 1:391-394.

Brock, J. W., K. Ross and C. Prasad (1998). Effect of high dietary protein on coping behavior, memory performance, and sensory discrimination in rats. *Nutr Neurosc* 1:305-314.

Imamura, M., N. Sumar, J. Hermon-Taylor, H. J. F. Robertson and C. Prasad (1998). Distribution and characterization of enterostatin-like immunoreactivity in human cerebrospinal fluid. *Peptides* 19:1385-1391.

Prasad, Chandan (1998). Food, Mood, And Health: A Neurobiologic Outlook. *Brazilian Journal of Medical and Biological Research* 31:1517-1527.

Imamura, Makoto, Johnny R. Porter, and Chandan Prasad (1998) Differential regional distribution of enterostatin, an appetite inhibiting peptide, in the brains of Zucker and Sprague-Dawley rats. *Nutr Neurosc* 1:449-452.

Debata, C and C Prasad (1998). Endogenous enterostatin, proteases, and dietary fat preference. *Nutr Neurosc* 1:361-366.

Prasad, Chandan, Makoto Imamura, Chittaranjan Debata, Frank Svec, Nasira Sumar, and J. Hermon-Taylor (1999). Hyperenterostatinemia in Premenopausal Obese Women. *J Clin Endocrinol Metab* 84:937-941.

Prasad, C., Chitaranjan Debata, and John U. McGregor (1999). Hormones in foods: Presence of enterostatin-like immunoreactivities in bovine milk. *Nutritional Neuroscience* 2: 147-154..

Chandan Prasad , Frank Svec , Hiroyuki Shimizu , Hilary W. Thompson, Masatomo Mori (2000). Racial differences in the short term response of circulating leptin, insulin, and glucose to a mixed lunch meal in lean and obese premenopausal women. *Nutritional Neuroscience* 3: 435-441.

Chandan Prasad (2001). Improving mental health through nutrition: The future. *Nutritional Neuroscience* 4:251-272.

Charles W. Hilton, Haruo Mizuma, Frank Svec, and Chandan Prasad (2001). Relationship between plasma cyclo(His-Pro), a neuropeptide common to processed protein-rich food, and C-peptide/insulin molar ratio in obese women. *Nutritional Neuroscience* 4:469-474.

Figueroa JE 2nd. Vijayagopal P. Prasad C. (2002) Azafitig stimulates in vitro lipolysis by rodent and human adipocytes. *Biochemical & Biophysical Research Communications*. 293:847-9.