

BIOGRAPHICAL SKETCH

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NAME Million Mulugeta	POSITION TITLE Associate Researcher		
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
Addis Ababa Univ. Fac. of Vet. Med., Ethiopia	DVM	1985	Veterinary Medicine
National Vet. School of Toulouse, France	DEA	1990	Digestive Physiology
National Vet. School of Toulouse, France	MVSc	1995	Digestive Physiology
NPI, INRA, Dept. Pharmacology, Toulouse, France	Ph.D.	1994	Digestive Pharmacology

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

- 1985 – 1988 Lecturer and Vet. Clinician, Addis Ababa University, Faculty of Veterinary Med., Dept. of Physiology and Pharmacology, Ethiopia
- 1989 – 1991 Research Scholar, Dept. of Physiology and Pharmacodynamics, National Veterinary School of Toulouse, France
- 1991 – 1994 Research Assistant, Dept. of Digestive Pharmacology, INRA, Toulouse France
- 1995 – 1998 Post-Doctoral Researcher, UCLA, Dept Med, Division of Digestive Diseases; CURE, DDRRC, Brain-Gut Interaction Unit, Los Angeles, CA
- 1998 – 2002 Assistant Researcher, UCLA, Dept Med, Division of Digestive Diseases; CURE, Digestive Diseases Research Center, Brain-Gut Interaction Unit, Los Angeles, CA
- 2001 – Present Associate Director, Animal Model Core, UCLA/CURE: DDRRC, Los Angeles, CA
- 2002 – Present Associate Researcher UCLA, Dept Med, Division of Digestive Diseases; CURE, DDRRC, Brain-Gut Interaction Unit, Los Angeles, CA
- 2002 – Present Co-Director, Pre-Clinical Stress Biology Program, Center For Neurovisceral Sciences and Women's health (CNS), UCLA, Division of Digestive Diseases, Los Angeles, CA

Other Experience and Professional Memberships

- 1992 – 1998 Member, French Society of Digestive Motility (CFMD)
- 1997 – Present Member, American Motility Society (AMS)
- 1999 – 2002 Member, West Los Angeles VA Medical Center Animal Research Committee
- 2001 & 2003 Member, Co-Chair-organizing committee, Annual CURE Clinical and Research Meeting
- 2001 – Present Member, American Gastroenterological Association
- 2002 – Present Member, American Physiological Society
- 2004 – Present Member, Society for Neuroscience

Honors

1985: DVM with Honors, Ethiopia; 1989 – 1994: Recipient of the French government competitive fellowship for overseas countries, France; 1992: Travel award, Brain-Gut Interaction, Cambridge, England; 1994: Ph.D. with Honors and Great Distinction, France; 1998: Young investigator award, American Motility Society; 2000: CURE: New Named Investigator, nominated; 2002: Travel Award, American Motility Society

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

- Million M**, Fioramonti J, Bueno L. Oral administration of TYR-MIF-1 stimulates gastric emptying and gastrointestinal motility in rodents. *Peptides* 1992;13:469-474.
- Million M**, Fioramonti J, Giquel S, Zajac JM, Bueno L. Comparative effects of Phe-Leu-Phe-Gln-Arg-Phe-NH₂ analogs on intestinal motility and nociception in rats. *J Pharmacol Exp Ther* 1993;265:96-102.

3. **Million M**, Fioramonti J, Bueno L. Central administration of Tyr-MIF 1 attenuates gastrointestinal motility in rats: Evidence for the involvement of dopamine siema and CCK receptors. *Neuropeptides* 1994;26:77-85.
4. **Million M**, Fioramonti J, Zajac JM, Bueno L. Effects of a neuropeptide FF on intestinal motility and temperature variations induced by E. Coli endotoxine and platelet-activating factor. *Eur J Pharmacol* 1997;334:67-73.
5. **Million M**, Taché Y, Anton P. Susceptibility of Lewis and Fischer rats to stress-induced worsening of TNB-colitis: protective role of brain CRF. *Am J Physiol* 1999;276:G1027-36.
6. Taché Y, Martinez V, **Million M**, Rivier J. Corticotropin-releasing factor and the brain-gut motor response to stress. *Can J Gastroenterol* 1999;13:18-25.
7. **Million M**, Martinez V, Wang L, Taché Y. Female Lewis and Fischer rats display difference in colonic motor function and Fos immunoreactivity in the CNS in response to psychological stress. *Brain Res* 2000;877:345-353.
8. Maillot C, **Million M**, Gauthier A, Taché Y. Peripheral corticotropin-releasing factor and stress-stimulated colonic motor activity Involve Type 1 receptor In Rats. *Gastroenterology* 2000;119:1569-1579.
9. Kresse A, **Million M**, Saperas E, Taché Y. Colitis induces CRF expression in hypothalamic magnocellular neurons and blunts CRF gene response to stress in rats. *Am J Physiol Gastrointest Liver Physiol* 2001;281:G1203-G1213. (co-first author).
10. **Million M**, Maillot C, Saunders P, Rivier J, Wale V, Taché Y. Human urocortin II, a new CRF-related peptide, displays selective CRF(2)-mediated action on gastric transit in rats. *Am J Physiol Gastrointest Liver Physiol* 2002;282:G34-G40.
11. Saunders P, **Million M**, Maillot C, Taché Y. Peripheral CRF-induced diarrhea involves CRF receptor subtype 1 in rats. *Eur J Pharmacol* 2002;435:231-235.
12. Miampamba M, Maillot C, **Million M**, Taché Y: Peripheral CRF activates myenteric neurons in the proximal colon through CRF(1) receptor in conscious rats. *Am J Physiol Gastroint Liver Physiol* 282:G857-65, 2002.
13. Chen C-Y, **Million M**, Adelson D, Kuratani K, Bayati A, Taché Y. Intracisternal urocortin inhibits TRH analogue-induced gastric contractility mainly through central CRF receptor 2 in rats. *Br J Pharmacol* 136:237-47, 2002
14. Maillot C, Wang L, **Million M**, Taché Y. Intraperitoneal corticotropin-releasing factor and urocortin induce Fos expression in brain and spinal autonomic nuclei and long lasting stimulation of colonic motility in rats. *Brain Res* 974:70-81, 2003.
15. Luckey A, Wang L, Jamieson P, Basa N, **Million M**, Czimmer J, Vale W, Taché Y. CRF₁ knockout mice do not develop post-operative ileus. *Gastroenterology* 125:654-659, 2003.
16. **Million M**, Grigoriadis DE, Sullivan S, Crowe PD, McRoberts J, Zhou H, Saunders P, Maillot C, Mayer EA, Taché Y. A novel water soluble selective CRF₁ receptor antagonist, NBI 35965, blunts stress-induced visceral hyperalgesia and colonic motor function in rats. *Brain Res.* 985: 32-42, 2003.
17. Adelson DW, **Million M**. The use of ultrasonomicrometry to study gastrointestinal motility *News Physiol Sci* 19:27-32, 2004.
18. Adelson DW, **Million M**, Kanamoto K, Taché Y. CCK-8 evokes coordinated GI movements in urethane-anesthetized rats: Use of sonomicrometry to simultaneously record gastric regional and sphincter motion. *Am J Physiol* 286: G321-32, 2004.
19. Taché Y, Martinez V, Wang L, **Million M**. CRF₁ receptor signaling pathways are involved in stress-related alterations of colonic function and viscerosensitivity: implications in irritable bowel syndrome, *Br J Pharmacol.* 141:1321-30, 2004.
20. Chatzaki E, Crowe PD, Wang L, **Million M**, Taché Y, Grigoriadis DE. CRF receptor type 1 and 2 expression and anatomical distribution in the rat colon. *J Neurochem.* 90:309-16, 2004.
21. Martinez V, Wang L, **Million M**, Rivier J, Taché Y. Urocortins and the regulation of gastrointestinal motor function and visceral pain. *Peptides.* 25:1733-1744, 2004.
22. **Million M**, Maillot C, Adelson DW, Nozu T, Gauthier A, Rivier J, Chrousos GP, Bayati A, Mattsson H and Taché Y. peripheral Injection of sauvagine prevents repeated colorectal distention-induced visceral pain in female rats. *Peptides*, 2005 (In Press).
23. **Million M**, Wang L, Wang Y, Adelson DW, Yuan P-Q, Maillot C, Coutinho SV, Mcroberts JA, Bayati A, Mattsson H, Wu V, Wei JY, Rivier J, Vale W, Mayer EA and Taché Y. CRF₂ receptor activation prevents colorectal distension-induced visceral pain and spinal ERK1/2 phosphorylation in rats *Gut*, 2005 (In Press).

C. Research Support

Ongoing Research Support

DK 64539 (P50), Mayer EA (PI)

10/01/02 – 09/30/07

NIH
Sex-Related Differences in Colonic Response to Stress: Role of CRF.
Aims at establishing the role and mechanisms of the CRF system in sex related differences on visceral pain responses.

Role: Co-PI in one of the 4 grants

DK 57238- Taché Y (PI)

09/01/00 – 08/31/2005

NIH
Peripheral Mechanism of Corticotropin Releasing Factor in Stress-Induced Colonic Motor Function.
The project aims to establish the neuro-chemical and intracellular mechanisms whereby activation of peripheral CRF receptors modulate colonic motor function and determine their relevance in the colonic response to stress in CRF receptor genetically modified rodent models.

Role: Investigator

DK 33061-17, Taché Y (PI)

04/01/03 – 08/31/08

NIH
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: Investigator

VA Merit review/VA; Taché (PI)

06/01/00 – 05/31/04

Peripheral mechanism of post operative Ileus.
Aims at establishing the mechanisms by which surgery induces gastrointestinal ileus and at determining the role of the CRF system in the process.

Role: Investigator

Pending research Support

1DK068155-01-A1(Million Mulugeta PI)

06/01/05 – 05/31/07

NIH
Peripheral CRF2 receptors modulation of colonic response to stress
Aims to determine the mechanism and effects of CRF2 activation against visceral pain.

Role : Principal Investigator

Completed Research Support

DK 57238-01A1S1, Million Mulugeta (MI)

09/01/01 – 08/31/2004

NIH
Peripheral Mechanism of Corticotropin Releasing Factor in Stress-Induced Colonic Motor Function.
The project aims to establish the neuro-chemical and intracellular mechanisms whereby activation of peripheral CRF receptors modulate colonic motor function and determine their relevance in the colonic response to stress in CRF receptor genetically modified rodent models.

Role: Minority Investigator

Pilot and Feasibility Grant of CURE Center Grant

NIH

01/01/99 – 12/30/00

Chronic colitis alters HPA-axis activation
Determined the effect of chronic colitis, a chronic systemic stress, on the hypothalamic-pituitary adrenal axis response to acute stresses and studied their relevance to inflammatory bowel diseases.

Role: Investigator