BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE
Kerstetter, Jane Elise	Associate Professor
eRA COMMONS USER NAME	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Mercyhurst College, Erie, PA	BS	1978	Food & Nutrition
Vanderbilt University, Nashville, TN	RD	1979	Dietetics
Virginia Poly Inst & St Univ, Blacksburg, VA	MS	1981	Human Nutr & Foods
University of Connecticut, Storrs, CT	PhD	1988	Nutritional Sciences

NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions on the attached sample.

A. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

Positions

1988 – 1994 Assistant Professor, Primary Academic Appointment at the School of Allied Health, Department of Nutritional Sciences, University of Connecticut, Storrs, CT and the Department of Community Medicine at the University of Connecticut Health Center, Farmington, CT

1994 – present Associate Professor, Primary Academic Appointment in the Department of Allied Health Sciences, Adjunct at the Department of Nutritional Sciences, University of Connecticut, Storrs, CT and the Department of Community Medicine at the University of Connecticut Health Center, Farmington, CT

2007 – present Adjunct Associate Professor of Medicine, Yale University, Department of Medicine, Endocrinology, New Haven, CT

Honors

Journal of the American College of Nutrition, Best Review Paper Award for article titles “Nutrition and bone health revisited: A story beyond calcium” (2000-2001)
American Dietetic Association, 2000 Recognition of Service Award (2000)
American Dietetic Association, Ross Award for scholarly activity in the area of women's health (1997)
American Dietetic Association, Honorable Mention for 10th Annual Mary P. Huddleson Award for article titled "Malnutrition in the institutionalized older adult" (1993)
Alpha Eta Allied Health Honor Society, University of Connecticut (1993)
University of Connecticut School of Allied Health Professions Golden Apple Teaching Award (1992, 1993, 1997, 2005)
University of Connecticut School of Allied Health Professions Dean's Leadership Award (1992, 1999)
University of Connecticut Traveler's Center on Aging Outstanding Contributions (1990)

B. Selected peer-reviewed publications (in chronological order). Do not include publications submitted or in preparation.

1. **Kerstetter JE** et al. "Facts and myths about vitamins and minerals" Chapter 31, In: The Yale Guide to Children's Nutrition. WV Tamborlane Ed. Yale University Press, 1997; 229-39.
2. **Kerstetter JE**, Caseria DM, Mitnick ME, Ellison AF, Gay LF, Liskov TAP, Carpenter TO, Insogna KL. Increased circulating levels of parathyroid hormone in healthy young women consuming a protein-restricted diet. Am J Clin Nutr 1997;66:1188-96.
3. **Kerstetter JE**, O'Brien KO, Insogna KL Dietary protein affects intestinal calcium absorption. Am J Clin Nutr 1998;68:859-65.
4. Affenito S, **Kerstetter JE.** Position Paper on Women's Health. J Am Diet Assoc, 1999;99:93-106.
5. **Kerstetter JE**, Caseria DM, Mitnick NE, Ellison AF, Liskov TAP, Carpenter TO, Gundberg, CM, Insogna KL. Bone turnover in response to dietary protein intake. J Clin Endo & Metab, 1999; 84:1052-1055.
6. Ilich JZ, **Kerstetter JE.** Nutrition and Bone Health. In: Management of Fractures in Severely Osteoporotic Bone: Orthopaedic and Pharmacological Strategies. Ed, Obrant K., Springer-Verlag, London, 2000:362-382.
7. **Kerstetter JE**, Looker AC, Insogna KL. Low protein intake and low bone density (Letter to the Editor). Calcified Tissue International. 2000;66:313.
8. **Kerstetter JE**, Svastisalee CM, Mitnick ME, Caseria DM, Insogna KL. A threshold for low-protein-diet-induced elevations in parathyroid hormone. Am J Clin Nutr. 2000;72:168-173.
9. Ilich, JZ, **Kerstetter, JE.** Nutrition and bone health revisited: A story beyond calcium. J Am Col Nutr. 2000;19: 715-737.
10. **Kerstetter, JE**, Insogna, KL. Dietary Protein, Calcium and Bone Metabolism: Time to Revisit. Vegetarian Nutrition Update, Vegetarian Nutrition Dietetic Practice Group, a practice group of the American Dietetic Association, Spring 2001, Volume X, Number 3, 1-12.
11. **Kerstetter, JE**, O'Brien KO, Insogna, KL Dietary protein and intestinal calcium absorption, Letter to the Editor, Am J Clin Nutr, 2001,73:990-991.
12. **Kerstetter JE,** O'Brien KO, Insogna KL. Low protein intake: the impact on calcium and bone homeostasis in humans. J Nutr. 2003;133:855S-861S.
13. **Kerstetter JE,** O'Brien KO, Insogna KL. Dietary protein, calcium metabolism and skeletal homeostasis revisited. Am J Clin Nutr, 2003;584S-592S.
14. **Kerstetter JE,** O'Brien KO, Insogna KL. High protein diets, calcium economy, and bone health. Top Clin Nutr 2004; 19:56-66.
15. Affenito S, Lambert-Lagace, L, **Kerstetter JE**, Denmark-Wahnefried W, Position of the American Dietetic Association: Nutrition and Women's Health. J Am Diet Assoc. 2004;104:984-1001.
16. **Kerstetter JE**, O'Brien KO, Caseria DM, Wall, DE, Insogna KL. The impact of dietary protein on calcium absorption and kinetic measures of bone turnover in women. J Clin Endo Metab, 2005;90:26-31.
17. Busque SM, **Kerstetter JE**, Geibel JP, Insogna K. L-type amino acids stimulate gastric acid secretion by activation of the calcium-sensing receptor in parietal cells. Am J Physiol Gastrointest Liver Physiol. 2005 Oct;289(4):G664-9.
18. Allen L, **Kerstetter, JE,** Calcium Nutrition in "Encylopedia of Human Nutrition, 2nd edition, B. Caballero, L. Allen and A. Prentice, eds, Elsevier Press, Oxford, 2006
19. **Kerstetter JE**, Wall DE, O'Brien KO, Caseria CM, Insogna KL. Meat and soy protein affect calcium homeostasis in healthy women. J Nutrition, 2006(7);136:1890-5.
20. **Kerstetter JE**, Gaffney ED, O'Brien KO, Caseria DM, Insogna KL. Dietary protein increases intestinal calcium absorption and improves bone balance: An hypothesis. Nutritional Aspects of Osteoporosis, International Congress Series, 2007;1297:204-216.
21. Goss SL, Lemons KA, **Kerstetter JE**, Bogner RH. Determination of calcium salt solubility with changes in pH and PCO_2, simulating varying gastrointestinal environments. Journal of Pharmacy and Pharmacology, 2007;59:1485-1492.
22. Wright MJ, Proctor DD, Insogna KL, **Kerstetter JE**. Proton pump inhibiting drugs, calcium homeostasis and bone health, Nutrition Reviews, 2008;66:103-108.

C. Research Support. List selected ongoing or completed (during the last three years) research projects (federal and non-federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and your role (e.g. PI, Co-Investigator, Consultant) in the research project. Do not list award amounts or percent effort in projects.

Ongoing

NIH-RO1 Insogna, Kerstetter, Kenny (Co-PI), 10/2006 – 9/2010. Impact of a protein supplement on bone mass in older women.
The overall goal of this project is to improve bone mineral density in a group of older women by the addition of supplemental protein to their diet.

USDA CONR – 2006-35200-16568 Insogna, Kerstetter (Co-PI) 12/2005-11/2009
Dietary protein affects intestinal calcium absorption: consequences and mechanism.
The goal of this project is to determine the mechanisms by which dietary protein affects calcium absorption in humans using cellular and animal models.

Donaghue Foundation, Hartford, CT, Kerstetter, Kenny, Rajan, (Co-PIs), 12/2005-11/2010
Bionutrition-Complementary/Alternative Medicine (CAM) Research Competition at the University of Connecticut Health Center.
The specific aim of this application is to use the existing clinical research infrastructure at the General Clinical Research Center (GCRC) to foster scientifically sound research in the area of Bionutrition.

America's Beef Producers, National Cattlemen's Beef Association, Exploring the mechanisms of dietary protein-induced increases in intestinal calcium absorption. Jane Kerstetter, PI, $63,000, 2007-2009.
The goal of this project is to develop an animal model for exploring the mechanisms by which protein increases intestinal calcium transport.

Completed within past 3 years

The Patrick & Catherine Weldon Donaghue Medical Research Foundation, Research in Clinical and Community Health Issues. Kerstetter, Insogna, O'Brien (Co-PI) 11/01/02-12/30/05 Dietary protein and calcium metabolism.
The goal is to determine the effect of soy protein on intestinal calcium absorption in healthy young women.

USDA. CONR-2001-00630 Kerstetter, Prestwood (Co-PI) 11/01/01-10/31/05
The effect of soy protein and isoflavones on bone in older women
The goal of this project is to measure the change in bone mineral density and bone turnover from the addition of soy protein and or isoflavones into the diets of healthy older women.