

**Curriculum Vitae
Stephanie Marie Melillo**

Address: Department of Biology Phone: (650) 721-1232
Stanford University E-mail: melillo@stanford.edu
Gilbert Building
371 Serra Mall
Stanford, CA 94305-5020

Education:

B.A. Physical Anthropology (major 1) Case Western Reserve University 2005
Evolutionary Biology (major 2)
Geology (minor)

Undergraduate Academics:

Cumulative GPA: 3.98
Anthropology GPA: 3.93
Evolutionary Biology GPA: 4.0
Geology GPA: 4.0

Ph.D. Biology Stanford University IP, began graduate studies in 2005

Graduate Academics:

Cumulative GPA: 4.0

Dissertation: "The early *Australopithecus* shoulder girdle: anatomy and implications of a new fossil specimen, KSD-VP-1/1."

Academic Experience:

Undergraduate Employment

2002- 2006 Research Assistant to Dr. Cynthia Beall, Case Western Reserve University

Project Title: Human adaptations to high altitude environments, Roles of nitric oxide and endothelin-1 under normal and hypoxic conditions

2001-2002 Research Assistant to Dr. Scott Simpson, Case Western Reserve University School of Medicine

Project Title: Investigation of tooth enamel development, thickness, and microstructure in humans and apes

Undergraduate Research

2005 Summer research and training at the National Museum of Ethiopia, Addis Ababa as Eva L. Pancoast Fellow
-Fossil preparation and curation

-Omo bovid ecomorphology (see poster presentation below)

- 2005 Undergraduate Honor's thesis
(Advisor: Dr. Scott Simpson, Case Western Reserve University School of Medicine)
"Enamel microstructure and crown formation time in the platyrrhine *Alouatta Palliata*." (see poster presentation below)
- 2004 Adopt-a-Student summer internship at Cleveland Museum of Natural History
(Advisor: Yohannes Haile-Selassie, Cleveland Museum of Natural History)
"Bipedality in *Orrorin tugenensis*, reconsidered"
- 2003 Summer Program in Undergraduate Research at CWRU Biology Department
(Advisor: Dr. Scott Simpson, Case Western Reserve University School of Medicine)
"Pathological indicators in the Upper Second Molar of wild howler monkeys (*Alouatta Palliata*)."

Teaching Assistantships

- 2007 *Ecology* Instructor: Dr. Rodolfo Dirzo
- 2006 *Introduction to Prehistoric Archaeology*
Instructors: Drs. John Rick and Ian Roberts
- 2004 *Evolution* Instructor: Dr. Patricia Princehouse

Field Experience

- 2006-8 Field Survey and excavation at Woranso-Mille, Ethiopia (project leader: Dr. Y. Haile-Selassie)
- 2007 Field Survey in Goba'ad Basin, Djibouti (project leader: Dr. D. DeGusta)
- 2005 & 2007 Field Survey in Weyto, Ethiopia (project leader: Dr. D. DeGusta)
- 2006 Field Survey and excavation at Gona, Ethiopia (project leader: Dr. S. Semaw)

Poster Presentations:

Melillo, SM; SW. Simpson; D. DeGusta (2006). A histological analysis of *Alouatta palliata* dental enamel. *AJPA* 129(S42): 129.

Melillo, SM and D. DeGusta (2007). Bovid Ecomorphology: A Cautionary Tale from the Omo. Paleanthropology Society meetings, Philadelphia, PA.

Lewis, JE; D. DeGusta; S. Melillo; R. Cheng; PW. Brown (2007). New data on enamel thickness in *Homo sapiens*. American Association of Physical Anthropologists, Philadelphia, PA.

Fredieu, JR; N. Levin; S. Melillo; SW. Simpson; J. Quade; S. Semaw (2007). Dietary reconstruction of Early Pliocene Bovids from Gona Project Area, Ethiopia. American Association of Physical Anthropologists, Philadelphia, PA.

Undergraduate Honors and Awards:

Dean's High Honors, awarded all semesters
Phi Beta Kappa Honor Society
Ruth and Newbell Niles Puckett Award (for outstanding achievement in Anthropology)

Grants and Fellowships:

| | | |
|------|-------------------|----------------------------------|
| 2006 | honorable mention | NSF graduate research fellowship |
| 2005 | \$4,100 | Eva L. Pancoast Fellowship |
| 2004 | \$500 | Phi Beta Kappa |

Advisors:

Undergraduate Advisor: Dr. Cynthia M. Beall
Case Western Reserve University
Department of Anthropology

Undergraduate Research Advisor: Dr. Scott W. Simpson
Case Western Reserve University
School of Medicine
Department of Anatomy

Graduate Advisors: Dr. Richard Klein (primary advisor)
Stanford University
Department of Biology

Dr. Yohannes Haile-Selassie
Cleveland Museum of Natural History
Curator of Physical Anthropology

Dr. Elizabeth Hadly
Stanford University
Department of Biology

Dr. David DeGusta (former advisor)
Stanford University
Department of Anthropology