

CammyHuang-DeVoss

research and development

research interests:

- Biology and neuroscience education using ICT (K12 - undergraduate - medical education)
- Interaction design of educational websites
- Educational technologies to improve teaching and learning
- Curriculum implementation of ICT tools
- Teacher training and faculty development with ICT
- Technology transfer and capacity building
- 3D Neuroimaging (MRI/PET/fMRI)

current projects:

Virtual Labs Project

project director, PI (2003-2005)

- Online interactive curriculum in human physiology for undergraduate to medical students (funded by the Howard Hughes Medical Institute 1998-current, Wallenberg Global Learning Network I 2003-5, PI).
- Spanish translation of Virtual Labs in collaboration with University of Leon, Spain. (funded by the Freeman Spogli Institute for International Studies 2005-current)
- VL Implementation of Interactive Media for High School Science (funded by the Wallenberg Global Learning Network, 2007-2008).

virtuallabs.stanford.edu and virtuallabs.stanford.edu/spanish

Virtual Urchin

instructional designer

Online interactive inquiry-based laboratory experiences for high school biology (funded by NSF 2005-current).

virtualurchin.stanford.edu

HELP (Health Education Learning Portal)

project manager and instructional

designer

Online health education curriculum in partnership with H.E.L.P. for Kids to provide health education to the underserved middle grades schools in Redwood City (funded by the McKesson Foundation and Symantec Foundation, 2005-current).

help4kids.stanford.edu

U-class

project leader

Research project to survey activities supported in technology learning spaces and explore interactions between student peers, student-teacher, student-technology, and teacher-technology as a result of technological intervention. Results from the project will target the K-12 ubiquitous learning classrooms (u-class) in Korea (funded by KERIS 2007).

uclass.stanford.edu

CNS: Visual Perspectives

project manager and instructional

designer

Online interactive 3D atlas of the human brain to for medical students learning neuroanatomy (funded by the Wallenberg Global Learning Network, 2005-current).

cnsvp.stanford.edu

VIBE (Virtual Interdisciplinary Biology Education)

project manager and instructional

designer

Online interactive multimedia for undergraduate students learning immunology and for high school students learning about HIV/AIDS. (funded by the Wallenberg Global Learning Network 2005-06 and currently

disseminated through W.H. Freeman).
vibe.stanford.edu and **vibe.stanford.edu/hiv aids**