

CLARK GEDNEY

Position: Director, Bio Media Center for Instructional Computing
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Area: Director, Bio Media Center for Instructional Computing
cgedney@purdue.edu

Biological Sciences, Purdue University
9/1989 – present

FORMATION

Southwestern Health Science Center at Dallas
Post Doctoral Fellowship 1974-76 - National Kidney Foundation, renal physiology
1974 – 1976
Purdue University
Doctor of Philosophy (Ph.D.), Biological Sciences, Neurophysiology and Vision
Research
1968 – 1975
Graduate Research in Visual Physiology, Ph.D.
Austin College
Bachelor's Degree, Biology, Chemistry
1964 – 1968
Undergraduate, primary major, Biology

Currently teaching three courses:

Macromolecular Structure, Junior level, 2008 - present, co-taught with Wen Jiang

Explorations in Protein Structure, Senior level, 2004 - present. Visualization techniques, and sequence and domain analysis of protein structure.

Introduction to LabVIEW™ Programming, Senior level, 2000 - present. Data acquisition, analysis and control using LabVIEW™. Includes teaching and/or construction of simple electronics: Transducer/amplifier circuits, Peltier Driver circuit, Digital stepper motor, BeagleBone Black.

CURRENT RESPONSIBILITIES

Director, BioMedia Center for Instructional Design, Biological Sciences, Purdue. (1989 - present)

Director, HHMI Summer Biology Experience (SBE), Biological Sciences, Purdue. (2003 - present) SBE offers intense training for precollege students and teachers In basic cross-

disciplinary laboratory skills and concepts.

Director, preCollege Research Opportunities (PRO) Since 2006, the research experiences of \approx a dozen high school and middle school students per year are mentored in a special cross-discipline laboratory at Purdue University/Biological Sciences.

Assistant Director, Lafayette Regional Science and Engineering Fair - Start unknown.

Actual 40+ years experience mentoring science fair students.

co-Director, USA BioOlympic Team, 4 years -2012 - 2015. co-directed with Kathy Frame, Center for Excellence in Education, Washington, D.C.

Previously active in outreach and recruiting programs at Purdue University, SACNAS and ABRCMs.

Prior Director, SROP, Summer Research Opportunities Program, campus-wide undergraduate research program. 6 years, 2008 - 2014.

Courseware Development: co-author, Identibacter interactus, Bacteria ID.

author; Protein Library, Unraveling the Mystery, interactive Molecules of Life.

Prior Teaching Experience: Instructional Computing, Systems Dynamics (STELLA™),

Macromedia Director, Flash™, Adobe Photoshop™, QuickTime™, Renal Physiology

Indiana University Medical
