



Grants: April 2007

1. **Carroll, Richard.** US Department of Education. \$317,344. Provide assistive technology devices to persons with disabilities through loan programs, training, and technical assistance. (Institute for Human Development)
2. **Clark, Joelle.** Coconino County Education Services Agency. \$101,693. Provide co-instruction in science and pedagogy to Arizona K-8 teachers in Coconino County. (Center for Science Teaching and Learning)
3. **Gage, Matthew.** Science Foundation Arizona. \$111,900. Develop techniques to measure the structure state of intrinsically disordered proteins. (Biology)
4. **Gibb, Alice.** Science Foundation Arizona. \$100,929. Examine ramifications of functional convergence and evolutionary implications of premaxillary protrusion in teleost fishes. (Biology)
5. **Monroy, Fernando.** National Institutes for Health. \$179,635. Study the contribution of the sympathetic nervous system to immune suppression. (Biology)
6. **Wagner, Dave.** University of California, Irvine. \$148,000. Study ecologic associations of virulence genes to determine if variation is due to ecological settings. (Biology)

Selected Books/Creative Activity/Recognition & Awards: April 2007

1. **Austin, Barbara A.** (April, 2007). *The alternative certification of science teachers: Findings from the NSF-funded STEM ACT conference.* Paper presented at the National Association for Research in Science Teaching Annual Conference 2007 in New Orleans. (Center for Science Teaching and Learning)
2. Baumgartner, K.H., & **Fulé, Pete Z.** (2007). Survival and sprouting responses of Chihuahua pine after the Rodeo-Chediski fire on the Mogollon Rim, Arizona. *Western North American Naturalist*, 67(1):51-56. (Forestry)
3. **Hess, Natalie.** (2007). Children and parents: A thematic approach to adult education. *The CATESOL Journal*, 18, 186-201. (Bilingual Multicultural Education)
4. **Lewis, Edwin A.** (April, 2007). *Exploring the interactions of c-MYC and Bcl-2 model quadruplexes with small molecule compounds using sensitive calorimetric and fluorescent techniques.* Invited speaker, First International Meeting on Quadruplex DNA, Louisville, Kentucky. (Chemistry)
5. **Ostergren, David M.** (2007). Comparing wilderness restoration and fire policy in three federal agencies: Variations on a theme in Northern Arizona. *Journal of Land, Resources and Environmental Law*, 26(2):267-295. (Forestry)
6. **Palmer, James Dean.** (April, 2007). *Exploiting bibliographic Web services with CiTeX.* 22nd Annual Symposium on Applied Computing, Seoul, Korea. (Computer Science)
7. **Tanner, Dennis.** (2007). *Medical-Legal and forensic aspects of communication disorders, voice prints, and speaker profiling.* Tucson, AZ: Lawyers and Judges Publishing. (Health Sciences)

Research Profiles

Fernando P. Monroy received his PhD in Immunoparasitology from the University of Queensland (Australia) in 1989. He was Associate Professor in the Department of Life Sciences at Indiana State University before coming to NAU as Assistant Professor in 2000. He has been Associate Professor in NAU's Biology Department since 2002, where he teaches graduate and undergraduate courses in immunology, microbiology, and infectious diseases.

Among Dr. Monroy's many accomplishments are:

- Over \$2 million in grants and research awards since at NAU
- 29 journal articles published in top professional journals such as the *Journal of Parasitology* and *Immunology and Cell Biology*
- Co-authored and/or presented at over 30 national and international conferences on parasitology and immunology
- 7 scholarships and awards, including serving as Visiting Investigator at the Arizona Cancer Center and in the Mexican Institute of Social Security's Division of Infectious Diseases in Mexico City.

In addition, Dr. Monroy has supported minority students in education by serving as Program Director in NAU's MARC U*STAR Program and a mentor in the Initiative for Minority Student Development. He is also program evaluator for NIH-supported minority programs and a member of the NIGMS subcommittee charged with reviewing minority programs at NIH.

Matthew J. Gage received his PhD in Biochemistry and Molecular Biology from Purdue University in 2001. He has been Assistant Professor in the Department of Chemistry and Biochemistry at NAU since 2005. In addition to teaching graduate and undergraduate Chemistry courses, Dr. Gage has served as the Chair of the Institutional Biosafety Committee at NAU.

Dr. Gage's accomplishments include:

- Over \$300,000 in research grants related to the biosciences
- 5 honors and awards, including a NIH Biophysics Training Grant while at Purdue
- 7 publications in research journals such as *Protein Science* and *Molecular Microbiology*
- 13 posters and seminar presentations at national conferences

Furthermore, Dr. Gage is dedicated to undergraduate research, serving on the review panel for the Hooper Undergraduate Research Award, mentoring 5 undergraduate researchers in 2006-2007, and 8 undergraduate researchers in 2007-2008. He also mentors 2 graduate students.

Alice C. Gibb received her PhD in Biological Sciences from the University of California at Irvine in 1997. She came to NAU as Assistant Professor in the Biology Department in 1999 and has been Associate Professor since 2005. In addition to teaching courses in biomechanics and physiology at NAU, Dr. Gibb has also taught ichthyology at the Bermuda Biological Station. She has also served as a reviewer for the NSF and for several professional journals, including the *Journal of Fish Biology* and *Animal Behavior*.

Dr. Gibb's accomplishments include:

- Over \$500,000 in research grants related to teleost fish biology and morphology
- 9 awards and honors, including the Edward A. Steinhaus Teaching Award from the School of Biological Sciences at University of California, Irvine
- 2 invited presentations at national conferences
- 17 articles and over 40 abstracts in professional journals such as the *Journal of Experimental Biology* and *Zoology*

In addition, Dr. Gibb has mentored 18 undergraduates and 6 graduate students. And she has supported programs that promote diversity in science by serving as research mentor and Assistant Director of the Minority Student Development Program.