

EXECUTIVE SUMMARY

ACTION ITEM: Arizona State University requests authorization to approve a new award from the National Institutes of Health (NIH), National Institute of Allergy & Infectious Disease (NIAID) #R01AI057885.

ISSUE: The Board is requested to approve acceptance of a new award to Arizona State University from the NIH-NIAID.

BACKGROUND:

- ASU has received a new award from the NIH-NIAID for support of a Center for Infectious Diseases and Vaccinology (IDV), The Biodesign Institute at ASU, Office of Vice President for Research and Economic Affairs project. The obligated amount of this award is \$1,129,805 and the anticipated amount of this award is \$2,403,975 federal funding.
- The objective of this project is to construct and evaluate a live attenuated Y, pestis vaccine that will induce enhanced immune responses to most proteins that are used by Y, pestis. This will acquire iron and exhibit complete biological containment with no surviving bacterial cells after ten generations of growth due to an arabinose-regulated delayed cell lysis system.
- ASU project director is Roy Curtiss III, Center for Infectious Diseases and Vaccinology.
- The project period is January 1, 2005 through December 31, 2008.

RECOMMENDATION/CONCLUSION:

The Board of Regents authorizes ASU to finalize this agreement for this project for the Center for IDV: Infectious Diseases and Vaccinology.

Contact
Dr. Jonathan Fink 480/965-1224
Vice President for Research and Economic Affairs
jonathan.fink@asu.edu

EXECUTIVE SUMMARY

ACTION ITEM: Arizona State University requests authorization to approve a new award from the Corporation for Public Broadcasting #CSG 9/1/05.

ISSUE: The Board is requested to approve acceptance of a new award to Arizona State University from the Corporation for Public Broadcasting.

BACKGROUND:

- ASU has received a new award from the Corporation for Public Broadcasting for support of Kaet Public Television Station, Office of Vice President of Public Affairs project. The proposed amount of the award is \$1,544,684 non-federal funding.
- The objective of this project is to augment the capability of public broadcast stations to expand the quality and scope of their services to the community. The funding is used primarily for the purpose of production and acquisition of programming. The goal is to encourage services to minority and diverse audiences.
- ASU project director is Gregory J. Giczi, KAET Public Television Station.
- The project period is October 1, 2005 through September 30, 2007.

RECOMMENDATION/CONCLUSION:

The Board of Regents authorizes ASU to finalize this agreement for this project for the KAET Public Television Station.

Contact
Dr. Jonathan Fink 480/965-1224
Vice President for Research and Economic Affairs
jonathan.fink@asu.edu

EXECUTIVE SUMMARY

ACTION ITEM: Arizona State University requests authorization to approve a continuation award from the National Science Foundation (NSF), Directorate for Biological Sciences (BIO) #0423704.

ISSUE: The Board is requested to approve acceptance of a continuation award to Arizona State University from the NSF-BIO.

BACKGROUND:

- ASU has received a continuation award from the NSF-BIO for support of a Global Institute for Sustainability, Office of Vice President for Research and Economic Affairs project. The proposed amount of the amendment is \$819,988 for a new total award amount of \$1,654,968 federal funding.
- The objective of this project is to support the Central-Arizona Phoenix (CAP) Long Term Ecological Research (LTER) program through summer teacher workshops, research experiences, and evaluation activities, as part of the Ecology Explorers K-12 educational outreach program. Additional goals are to expand the educational mission of CAP LTER at the K-12 level and to integrate Ecology Explorers protocols and lessons into a related program.
- ASU project director is Nancy B. Grimm, Global Institute of Sustainability.
- The project period is December 1, 2004 through November 30, 2010.

RECOMMENDATION/CONCLUSION:

The Board of Regents authorizes ASU to finalize this agreement for this project for the Global Institute of Sustainability.

Contact
Dr. Jonathan Fink 480/965-1224
Vice President for Research and Economic Affairs
jonathan.fink@asu.edu

EXECUTIVE SUMMARY

ACTION ITEM: Arizona State University requests authorization to approve a new award from the National Institutes of Health (NIH) #U01 A1057303.

ISSUE: The Board is requested to approve acceptance of a new award to Arizona State University from NIH.

BACKGROUND:

- ASU has received a new award from NIH for support of the Center for Infectious Diseases and Vaccinology (IDV), The Biodesign Institute at ASU, Office of Vice President for Research and Economic Affairs project. The proposed amount of the new award is \$1,658,791.00 federal funding.
- The objective of this project is to prepare conditional mutants of VV that are either dependent on an FDA-approved drug for replication, or are treatable by an FDA-approved drug. For drug-sensitive viruses, individuals who experience complications could be treated with the FDA-approved drug. For drug-dependent viruses, should complications arise, the drug could be withdrawn from vaccinated individuals as a treatment. The most promising of these strains will be engineered into a virus background suitable for use in humans, prepared under GMP conditions and tested in chimpanzees and humans for safety and immunogenicity, compared to Dryvax.
- ASU project director is Bertram L. Jacobs, Center for Infectious Diseases and Vaccinology.
- The project period is April 1, 2005 through March 31, 2008.

RECOMMENDATION/CONCLUSION:

The Board of Regents authorizes ASU to finalize this agreement for this project for the Center for Infectious Diseases and Vaccinology.

Contact
Dr. Jonathan Fink 480/965-1224
Vice President for Research and Economic Affairs
jonathan.fink@asu.edu

EXECUTIVE SUMMARY

ACTION ITEM: Arizona State University requests authorization to approve a new award from the National Science Foundation (NSF)-Directorate for Education & Human Resources (EHR) #0550847.

ISSUE: The Board is requested to approve acceptance of a new award to Arizona State University from the NSF-EHR.

BACKGROUND:

- ASU has received a new award from the NSF-EHR for support of the Center for Research on Education, Science, Math, Engineering and Technology (CRESMET), Office of the Provost/Senior Vice President project. The proposed amount of the new award is \$1,259,644 federal funding.
- The objective of this five-year research study will focus on the impact of different teacher preparation and induction models, as well as on the quality and persistence of secondary science teachers. Combining the strengths of case-based research with a quasi-experimental design this study will follow 120 secondary science teachers for three years from four different and well characterized preservice - induction programs. The rationale for this project is well developed from the literature on the STEM teaching workforce as well as reports from the National Commission on Teaching and America's Future.
- ASU project director is Julie Luft, Center for Research on Education, Science, Math, Engineering and Technology.
- The project period is June 16, 2005 through April 30, 2008.

RECOMMENDATION/CONCLUSION:

The Board of Regents authorizes ASU to finalize this agreement for this project for the Center for Research on Education, Science, Math, Engineering and Technology.

Contact
Dr. Jonathan Fink 480/965-1224
Vice President for Research and Economic Affairs
jonathan.fink@asu.edu

EXECUTIVE SUMMARY

ACTION ITEM: Arizona State University requests authorization to approve a new award for the National Science Foundation (NSF)-Directorate for Social, Behavioral/Economic Science (SBE) #0524087.

ISSUE: The Board is requested to approve acceptance of a new award to Arizona State University from the NSF-SBE.

BACKGROUND:

- ASU has received a new award from the NSF-SBE for support of the School of Human Evolution and Social Change, College of Liberal Arts and Science Project. The proposed amount of the new award is \$1,800,000 federal funding.
- The objective of this project is to construct a detailed record from 400,000-30,000 years ago in the paleoclimatic and paleoenvironmental context of the origins of modern humans in South Africa. This will be a multidisciplinary and international project tightly integrated between researchers grounded by the same problem orientation focused on the south coast of South Africa.
- ASU project director is Curtis W. Marean, School of Human Evolution & Social Change.
- The project period is September 1, 2005 through August 31, 2006.

RECOMMENDATION/CONCLUSION:

The Board of Regents authorizes ASU to finalize this agreement for this project for the School of Human Evolution & Social Change.

Contact

Dr. Jonathan Fink 480/965-1224

Vice President for Research and Economic Affairs

jonathan.fink@asu.edu

EXECUTIVE SUMMARY

ACTION ITEM: Arizona State University requests authorization to approve a new award from the National Institutes for Health (NIH), National Institute of Allergy & Infectious Disease (NIAID) #AI055010.

ISSUE: The Board is requested to approve acceptance of a new award to Arizona State University from the NIH-NIAID.

BACKGROUND:

- ASU has received a new award from NIH-NIAID for support of a Center for Innovations in Medicine (IM), Office of Vice President for Research and Economic Affairs project. The proposed amount of the new award is \$1,085,075 federal funding.
- The objective of this project is to find an effective anthrax vaccine. Our goal is to generate more than 4,000 genes of B. anthracis as more than 14,000 overlapping gene fragments that are capable of uniformly high-level expression. We will build all anthrax ORFs as gene vaccines, and then design a matrix arraying system that allows us to screen the high complexity library down to a few vaccine candidates in one animal challenge experiment.
- ASU project director is Kathryn Sykes, Center for Innovations in Medicine.
- The project period is May 3, 2005 through February 28, 2006.

RECOMMENDATION/CONCLUSION:

The Board of Regents authorizes ASU to finalize this agreement for this project for the Center for Innovations in Medicine.

Contact
Dr. Jonathan Fink 480/965-1224
Vice President for Research and Economic Affairs
jonathan.fink@asu.edu

EXECUTIVE SUMMARY

ACTION ITEM: Arizona State University requests authorization to approve a new award from the National Institutes for Health (NIH), National Center for Research Resources (NCRR) #1S10RR019945-01.

ISSUE: The Board is requested to approve acceptance of a new award to Arizona State University from NIH-NCRR.

BACKGROUND:

- ASU has received a new award from the NIH-NCRR for support of a Center for Rehab Neuroscience and Rehab Engineering, Office of Vice President for Research and Economic Affairs project. The proposed amount of the new award is \$1,309,550 federal funding.
- The objective of this project is to get support for a PharmaScan 70/16 7.0 Tesla, 90 cm clear bore system from Bruker-Biospin. This is a multipurpose research scanner for high resolution, fast speed, Nuclear Magnetic Resonance 2D and 3D image reconstruction and in vivo spectroscopy. The applications would range from assessing effects of chemotherapy for tumors, to developing, testing, and implementing noninvasive, brain-imaging indicators of Alzheimer's disease in double transgenic mice containing AD genes, to assessment of CNS neuroplasticity after spinal cord injury or stroke.
- ASU project director is Ranu Jung, Center for Rehab Neuroscience and Rehab Engineering.
- The project period is June 1, 2005 through May 31, 2006.

RECOMMENDATION/CONCLUSION:

The Board of Regents authorizes ASU to finalize this agreement for this project for the Center for Rehab Neuroscience and Rehab Engineering.

Contact
Dr. Jonathan Fink 480/965-1224
Vice President for Research and Economic Affairs
jonathan.fink@asu.edu

EXECUTIVE SUMMARY

ACTION ITEM: Arizona State University requests authorization to approve a new award from the Paradise Valley School District.

ISSUE: The Board is requested to approve acceptance of a new award to Arizona State University from the Paradise Valley School District.

BACKGROUND:

- ASU has received a new award from the Paradise Valley School District for support of an Information Technology, Office of the Provost/Senior Vice President project. The proposed amount of the award is \$750,000 with a projected total award amount of \$1,500,000 non-federal funding.
- The objective of this project is to provide technical support to the Paradise Valley School District to develop data bases, graphic design, networking and statistical analysis to enhance Arizona's Learning Systems.
- ASU project director is Angel Jannasch-Pennel, Information Technology.
- The project period is July 14, 2005 through July 14, 2007.

RECOMMENDATION/CONCLUSION:

The Board of Regents authorizes ASU to finalize this agreement for this project for the Department of Information Technology.

Contact

Dr. Jonathan Fink 480/965-1224

Vice President for Research and Economic Affairs

jonathan.fink@asu.edu