

Appendix B:

AFRI Competitive USDA-NIFA grants generated by NC229 scientists between 2008 and 2013

PROJ No.: 1245-32000-098-17

Project Type: AFRI COMPETITIVE USDA NIFA (Translational Genomics)

START: 01 JAN 2013 **TERM:** 31 DEC 2017 **Grant yr:** 2013

GRANT AMT: \$ 1,500,000

INVESTIGATOR: J Dekkers, J Lunney, R Rowland, M Torremorell and others

PERFORMING INSTITUTION:

Animal Sciences

IOWA STATE UNIVERSITY

AMES, IOWA 50010

GENETICALLY IMPROVING RESISTANCE OF PIGS TO PRRS VIRUS INFECTION

ACCESSION NO: 1000876 **SUBFILE:** CRIS

PROJ NO: VA-Meng-PRRSV-2013 **AGENCY:** NIFA VA.

PROJ TYPE: AFRI COMPETITIVE GRANT **PROJ STATUS:** NEW

CONTRACT/GRANT/AGREEMENT NO: 2013-67015-21342 **PROPOSAL NO:** 2013-01131

START: 01 SEP 2013 **TERM:** 31 AUG 2017 **GRANT YR:** 2013

GRANT AMT: \$499,988

INVESTIGATOR: Meng, X.; Opriessnig, TA, I.; Subramaniam, SA.

PERFORMING INSTITUTION:

Biomedical Science

VIRGINIA POLYTECHNIC INSTITUTE

BLACKSBURG, VIRGINIA 24061

IDENTIFICATION OF IMMUNODOMINANT CD8 T CELL EPITOPES OF MULTIPLE HETEROLOGOUS PRRSV STRAINS FOR VACCINE DEVELOPMENT

ACCESSION NO: 0226147 **SUBFILE:** CRIS

PROJ NO: VA-422234 **AGENCY:** NIFA VA.

PROJ TYPE: AFRI COMPETITIVE GRANT **PROJ STATUS:** EXTENDED

CONTRACT/GRANT/AGREEMENT NO: 2011-67012-30719 **PROPOSAL NO:** 2010-05143

START: 15 AUG 2011 **TERM:** 14 AUG 2014 **GRANT YR:** 2011

GRANT AMT: \$130,000

INVESTIGATOR: Kenney, S. P.; Meng, X. J.

PERFORMING INSTITUTION:

College of Vet Medicine

VIRGINIA POLYTECHNIC INSTITUTE

BLACKSBURG, VIRGINIA 24061

ROLE OF THE PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS (PRRSV) NUCLEOCAPSID PROTEIN PXXPXXP SH3 SIGNALING MOTIFS IN PRRS PATHOGENES

ACCESSION NO: 1000870 **SUBFILE:** CRIS

PROJ NO: IOWK-2013-01055 **AGENCY:** NIFA IOWK

PROJ TYPE: AFRI COMPETITIVE GRANT **PROJ STATUS:** NEW

CONTRACT/GRANT/AGREEMENT NO: 2013-67015-21307 PROPOSAL NO: 2013-01055
START: 01 SEP 2013 TERM: 31 AUG 2015 GRANT YR: 2013
GRANT AMT: \$398,292
INVESTIGATOR: Mogler, M. A.
PERFORMING INSTITUTION:
Harrisvaccines, Inc
1102 Southern Hills Drive suite 101
Ames, IOWA 50010

**PROTEOMICS-DEFINED PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS
IMMUNOPROTEOME**

ACCESSION NO: 0233475 SUBFILE: CRIS
PROJ NO: WISW-2013-00114 AGENCY: NIFA WISK
PROJ TYPE: SMALL BUSINESS GRANT PROJ STATUS: NEW
CONTRACT/GRANT/AGREEMENT NO: 2013-33610-20815 PROPOSAL NO: 2013-00114
START: 01 JUL 2013 TERM: 28 FEB 2014 GRANT YR: 2013
GRANT AMT: \$99,852
INVESTIGATOR: Chander, Y.; Moser, M. J.
PERFORMING INSTITUTION:
Lucigen Corporation
2905 Parmenter Street
Middleton, WISCONSIN 53562

**RAPID FIELD-APPROPRIATE DIAGNOSTICS FOR DETECTION OF VIRAL PATHOGENS
ASSOCIATED WITH PORCINE RESPIRATORY DISEASE COMPLEX**

ACCESSION NO: 1000691 SUBFILE: CRIS
PROJ NO: KS602858 AGENCY: NIFA KAN
PROJ TYPE: AFRI COMPETITIVE GRANT PROJ STATUS: NEW
CONTRACT/GRANT/AGREEMENT NO: 2013-67015-21236 PROPOSAL NO: 2013-01182
START: 01 SEP 2013 TERM: 31 AUG 2017 GRANT YR: 2013
GRANT AMT: \$499,436
INVESTIGATOR: Sang, Y.; Blecha, FR.; Rowland, RA.; Miller, LA. PERFORMING INSTITUTION:
Anatomy & Physiology
KANSAS STATE UNIV
MANHATTAN, KANSAS 66506

**ANTIVIRAL REGULATION UNDERLYING THE ACTIVATION STATUS OF PORCINE
MONOCYtic INNATE IMMUNE CELLS**

ACCESSION NO: 1000818 SUBFILE: CRIS
PROJ NO: ILLV44-6765 AGENCY: NIFA ILLV

PROJ TYPE: AFRI COMPETITIVE GRANT PROJ STATUS: NEW
CONTRACT/GRANT/AGREEMENT NO: 2013-67015-21243 PROPOSAL NO: 2013-01210
START: 01 SEP 2013 TERM: 31 AUG 2018 GRANT YR: 2013
GRANT AMT: \$499,199
INVESTIGATOR: Yoo, D.
PERFORMING INSTITUTION:
Pathobiology
UNIVERSITY OF ILLINOIS
2001 S. Lincoln Ave.
URBANA, ILLINOIS 61801

IMMUNE EVASION OF PRRS VIRUS AND A NOVEL STRATEGY FOR VACCINE DESIGN

ACCESSION NO: 0227872 SUBFILE: CRIS
PROJ NO: SD00G416-11 AGENCY: NIFA SD.
PROJ TYPE: AFRI COMPETITIVE GRANT PROJ STATUS: NEW
CONTRACT/GRANT/AGREEMENT NO: 2012-67016-19507 PROPOSAL NO: 2011-02806
START: 01 MAY 2012 TERM: 30 APR 2014 GRANT YR: 2012 GRANT AMT: \$150,000
INVESTIGATOR: Wang, X. PERFORMING INSTITUTION:
Biology & Microbiology
SOUTH DAKOTA STATE UNIVERSITY
PO BOX 2275A
BROOKINGS, SOUTH DAKOTA 57007

DETERMINING VIRUS-LIKE PARTICLE (VLP) FEASIBILITY FOR NEW PORCINE REPRODUCTIVE RESPIRATORY SYNDROME VIRUS (PRRSV) VACCINES

ACCESSION NO: 0224249 SUBFILE: CRIS
PROJ NO: KY0BALASURIYA AGENCY: NIFA KY.
PROJ TYPE: AFRI COMPETITIVE GRANT PROJ STATUS: TERMINATED
CONTRACT/GRANT/AGREEMENT NO: 2011-67016-30145 PROPOSAL NO: 2010-03520
START: 15 FEB 2011 TERM: 14 FEB 2012 GRANT YR: 2011
GRANT AMT: \$13,375

INVESTIGATOR: Balasuriya, U.

PERFORMING INSTITUTION:
Veterinary Science
UNIVERSITY OF KENTUCKY
LEXINGTON, KENTUCKY 40546

ACQUISITION OF A FLUORCHEM E DIGITAL IMAGING SYSTEM FOR ARTERIVIRUS (PRRSV AND EAV) VACCINE RESEARCH

ACCESSION NO: 0213599 SUBFILE: CRIS
PROJ NO: KS600904 AGENCY: NIFA KAN
PROJ TYPE: NRI COMPETITIVE GRANT PROJ STATUS: TERMINATED
CONTRACT/GRANT/AGREEMENT NO: 2008-35204-18860 PROPOSAL NO: 2008-00501
START: 15 APR 2008 TERM: 14 JUL 2008 FY: 2008 GRANT YR: 2008
GRANT AMT: \$10,000
INVESTIGATOR: Rowland, R. PERFORMING INSTITUTION:
DIAGNOSTIC MEDICINE AND PATHOBIOLOGY
KANSAS STATE UNIV
MANHATTAN, KANSAS 66506

SUPPORT FOR 2007 INTERNATIONAL PRRS SYMPOSIUM CONFERENCE

ACCESSION NO: 0215024 SUBFILE: CRIS
PROJ NO: NEB-39-150 AGENCY: NIFA NEB
PROJ TYPE: NRI COMPETITIVE GRANT PROJ STATUS: TERMINATED
CONTRACT/GRANT/AGREEMENT NO: 2008-35204-04561 PROPOSAL NO: 2008-00903
START: 01 SEP 2008 TERM: 31 AUG 2011 FY: 2009 GRANT YR: 2008
GRANT AMT: \$375,000
INVESTIGATOR: Osorio, F. A.; Pattnaik, A. K. PERFORMING INSTITUTION:
VETERINARY BIOMEDICAL SCIENCE
UNIVERSITY OF NEBRASKA
LINCOLN, NEBRASKA 68583

PORCINE REPRODUCTIVE AND RESPIRATORY VIRUS: ROLE OF VIRAL GENES IN VIRULENCE/ATTENUATION

ACCESSION NO: 0215188 SUBFILE: CRIS
PROJ NO: ILLV-44-6761 AGENCY: NIFA ILLV
PROJ TYPE: NRI COMPETITIVE GRANT PROJ STATUS: TERMINATED
CONTRACT/GRANT/AGREEMENT NO: 2008-35204-04634 PROPOSAL NO: 2008-00856
START: 01 SEP 2008 TERM: 31 AUG 2012 FY: 2009 GRANT YR: 2008
GRANT AMT: \$374,000
INVESTIGATOR: Yoo, D.
PERFORMING INSTITUTION:
VETERINARY PATHOBIOLOGY
UNIVERSITY OF ILLINOIS
2001 S. Lincoln Ave.
URBANA, ILLINOIS 61801

IMMUNE MODULATION AND EVASION STRATEGIES OF PRRS VIRUS

ACCESSION NO: 0215817 SUBFILE: CRIS
PROJ NO: MINV-63-057 AGENCY: NIFA MINV
PROJ TYPE: OTHER GRANTS PROJ STATUS: TERMINATED
CONTRACT/GRANT/AGREEMENT NO: 2008-37610-19539 PROPOSAL NO: 2008-04341
START: 01 SEP 2008 TERM: 31 AUG 2010 FY: 2009 GRANT YR: 2008
GRANT AMT: \$192,888
INVESTIGATOR: Murtaugh, M. P.; Rossow, K. PERFORMING INSTITUTION:
VETERINARY BIOMEDICAL SCIENCES
UNIV OF MINNESOTA
ST PAUL, MINNESOTA 55108

ETIOLOGY AND MOLECULAR PATHOGENESIS OF PORCINE HIGH FEVER DISEASE (PHFD)

ACCESSION NO: 0215565 SUBFILE: CRIS
PROJ NO: IOWR-2008-04476 AGENCY: NIFA IOWR
PROJ TYPE: NRI COMPETITIVE GRANT PROJ STATUS: TERMINATED
CONTRACT/GRANT/AGREEMENT NO: 2007-35204-04895 PROPOSAL NO: 2008-04476
START: 01 JAN 2008 TERM: 31 DEC 2011 GRANT YR: 2009
GRANT AMT: \$130,854
INVESTIGATOR: Faaberg, K. S.; Murtaugh, M. P.; Nelson, E. A.; Francis, D.; Christopher-
Hennings, J.
PERFORMING INSTITUTION:
NATIONAL ANIMAL DISEASE CTR
AMES, IOWA 50010

***BIOLOGICAL STUDIES OF PUTATIVE NONSTRUCTURAL PROTEIN 2 IN PORCINE
REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS***

ACCESSION NO: 0218677 SUBFILE: CRIS
PROJ NO: IOWK-2009-01061 AGENCY: NIFA IOWK
PROJ TYPE: SMALL BUSINESS GRANT PROJ STATUS: TERMINATED
CONTRACT/GRANT/AGREEMENT NO: 2009-33610-20299 PROPOSAL NO: 2009-01061
START: 01 SEP 2009 TERM: 31 AUG 2011 GRANT YR: 2009
GRANT AMT: \$346,765
INVESTIGATOR: Kamrud, K, I
PERFORMING INSTITUTION:
HARRISVACINES, INC.
2325 N. LOOP DRIVE, SUITE 6200
AMES, IOWA 50036

DEMONSTRATE THE SAFETY AND EFFICACY OF A PRRS-RP VACCINE CANDIDATE

ACCESSION NO: 0219230 SUBFILE: CRIS
PROJ NO: NEB-39-156 AGENCY: NIFA NEB
PROJ TYPE: AFRI COMPETITIVE GRANT PROJ STATUS: TERMINATED
CONTRACT/GRANT/AGREEMENT NO: 2009-65119-05753 PROPOSAL NO: 2009-01654
START: 01 SEP 2009 TERM: 31 AUG 2012 FY: 2009 GRANT YR: 2009
GRANT AMT: \$371,230
INVESTIGATOR: Pattnaik, A. K.; Osorio, F. A.
PERFORMING INSTITUTION:
Veterinary and Biomedical Sciences
UNIVERSITY OF NEBRASKA
LINCOLN, NEBRASKA 68583

***GLYCOPROTEINS OF PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS
(PRRSV) IN INFECTION AND IMMUNITY***

ACCESSION NO: 0227846 SUBFILE: CRIS
PROJ NO: VA-422273 AGENCY: NIFA VA.
PROJ TYPE: AFRI COMPETITIVE GRANT PROJ STATUS: NEW
CONTRACT/GRANT/AGREEMENT NO: 2012-67015-19469 PROPOSAL NO: 2011-02801
START: 01 MAY 2012 TERM: 30 APR 2016 GRANT YR: 2012
GRANT AMT: \$499,500
INVESTIGATOR: Subbiah, E.; Meng, X. J.
PERFORMING INSTITUTION:
College of Vet Medicine
VIRGINIA POLYTECHNIC INSTITUTE
BLACKSBURG, VIRGINIA 24061

***A MULTICOMPONENT VIRUS VECTORED VACCINE FOR PRRS, PCVAD AND SWINE
INFLUENZA***

ACCESSION NO: 0227716 SUBFILE: CRIS
PROJ NO: NEB-39-164 AGENCY: NIFA NEB
PROJ TYPE: AFRI COMPETITIVE GRANT PROJ STATUS: NEW
CONTRACT/GRANT/AGREEMENT NO: 2012-67015-30191 PROPOSAL NO: 2011-02917
START: 01 JAN 2012 TERM: 31 DEC 2014 GRANT YR: 2012
GRANT AMT: \$484,245
INVESTIGATOR: Pattnaik, A. K.; Osorio, F. A.
PERFORMING INSTITUTION:
Veterinary and Biomedical Sciences
UNIVERSITY OF NEBRASKA
LINCOLN, NEBRASKA 68583

PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS: MODULATION OF INNATE AND ACQUIRED IMMUNE RESPONSE

ACCESSION NO: 0224201 **SUBFILE:** CRIS
PROJ NO: VA-422189 **AGENCY:** NIFA VA.
PROJ TYPE: AFRI COMPETITIVE GRANT **PROJ STATUS:** NEW
CONTRACT/GRANT/AGREEMENT NO: 2011-67015-30165 **PROPOSAL NO:** 2010-03437
START: 15 MAR 2011 **TERM:** 14 MAR 2015 **GRANT YR:** 2011
GRANT AMT: \$499,000
INVESTIGATOR: Meng, X. J.; Huang, Y. W.; Opriessnig, T.
PERFORMING INSTITUTION:
College of Vet Medicine
VIRGINIA POLYTECHNIC INSTITUTE
BLACKSBURG, VIRGINIA 24061

ENGINEERING PRRSV VACCINES THAT CONFER HETEROLOGOUS PROTECTION

ACCESSION NO: 0220950 **SUBFILE:** CRIS
PROJ NO: MDR-2009-03338 **AGENCY:** NIFA MD.W
PROJ TYPE: AFRI COMPETITIVE GRANT **PROJ STATUS:** EXTENDED
CONTRACT/GRANT/AGREEMENT NO: 2010-65205-20433 **PROPOSAL NO:** 2009-03338
START: 01 JAN 2010 **TERM:** 31 DEC 2013 **GRANT YR:** 2010
GRANT AMT: \$749,975
INVESTIGATOR: Lunney, J. K.; Ernst, C. W.; Honavar, V.; Jiang, Z.; Pogranichniy, R.; Steibel, J. P.; Tuggle, C.
PERFORMING INSTITUTION:
USDA, ARS, BA, ANRI, APDL
AGRICULTURAL RESEARCH SERVICE
BLDG 003 BARC W RM 331
Beltsville, MARYLAND 20705-2351

IDENTIFYING PORCINE GENES AND GENE NETWORKS INVOLVED IN EFFECTIVE RESPONSE TO PRRS VIRUS USING FUNCTIONAL GENOMICS AND SYSTEMS BIOLOGY