

ARS-Former Soviet Union Scientific Cooperation Program Funded Projects

ISTC/ STCU #	Lead FSU Institute	FSU Project Manager	Secondary FSU Institutes	Name(s) of ARS scientist(s)	ARS location	Title	Date proposal funded	Proj. Dur. (mo.)	Current status
Country: KAZAKHSTAN									
K-896	JSC Institute of Experimental Biology	Toishibekov, Y. & Vasilkova, M.	Scientific Research Agricultural	Blackburn, Harvey	National Center for Genetic Resources Preservation Fort Collins, CO	The conservation, management and cryopreservation of genetically diverse sheep breeds in Kazakhstan	1/1/2003	36	Funded
K-1322	Institute of Industrial Biotechnology	Baltayev, U.		Orts, Williams and Wong, Dominic	Western Regional Research Center Albany, CA	Development of the Technology for Production Refined Enzymatic	7/1/2006	36	Funded
K-1313	Institute of Industrial Biotechnology	Nadirov, B., Alimkhojayev, K., Gilmanov, M.	Research Institute of the Problems of Biology and Biotechnology at Kazakh National University n.a. Al- Pharabi	Orts, William and Robertson, George	Western Regional Research Center Albany, CA	Perfection of Manufacturing Technologies of "Dried" Gluten, starch liquid and new bioregulators from wheat grain	2/1/2006	36	Funded
K-1251	Institute of Industrial Biotechnology	Kenzhebeyev,		Weimer, Paul and Muck, Richard	US Dairy Forage Madison, WI	Development of the technology for biosynthesis and production of a preparation for fermental fractionation of cellulose at coarse- stem plants siloing	8/1/2006	36	Funded
K-297p	M.A. Aytkhozhin's Institute of Molecular Biology and Biochemistry	Gilmanov, Murat	Scientific Research Agricultural	Cheung, Andrew	Virus and Prion Diseases of Livestock Research Ames, IA	The development of bioregulators for acceleration of growing tissue and cell cultures used in virology	3/1/2005	36	Funded
K-525p	Institute of Microbiology and Virology	Berezin, V.	Scientific Research Agricultural	Fetterer, Ray (was Harry Danforth)	Animal Parastic Diseases Laboratory Beltsville, MD	ISCOMs Delivery of Recombinant Coccidial (Eimeria) Antigens	11/1/2000	72	Funded
K-747p	Institute of Microbiology & Virology	Berezin, V.	Scientific Research Agricultural	King, Daniel J.	Southeast Poultry Research Laboratory Athens, GA	Phylogenetic analysis of Central Asia isolates of avian/swine influenza virus and NDV paramyxovirus and enhancing of avian virus vaccination protocols	1/1/2002	72	Funded

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K-1189	Institute of Microbiology and Virology	Bekmakhanova, Nadiya Ermukhanovna	M. Aikimbaev's Kazakh Scientific Ctr of Quarantine & Zoonotic Diseases	Meyer, Susan, Masler, Edward & Zasada, Inga	Nematology Laboratory Beltsville, MD	Biologically active compounds from microscopic fungi for use against plant-parasitic nematodes	9/1/2005	36	Funded
K-428p	Institute of Plant Physiology, Genetics and Bioengineering	Kovalchuk, I.	Monitoring Laboratory, National Center on Biotechnology	Reed, Barbara, & Garvey, Edward	National Clonal Germplasm Repository Corvallis, OR	Preservation of germplasm of fruit, berry cultures and grapes in Kazakhstan	11/1/2001	72	Funded
K-790p	Institute of Plant Physiology, Genetics and Bioengineering	Mamonov, L. & Kalmykov, E.	JSC "Biomedpreparat"	Cantrell, Charles	Natural Products Utilization Research University, MS	Identification and Separation of Kazakhstan's Natural Products of Agricultural Use	1/1/2002	72	Funded
K-486	Institute of Soil Science	Djalankuzov, T. & Boiko, O.	Scientific Research Agricultural	Busscher,	Coastal Plain Soil, Water & Plant Conservation Research Florence, SC	Methods of Agroamelioration of Soil Strength and Fertility Problems for Irrigated Cotton Production Management on	11/1/2005	36	Funded
K-444p	Kazakh Research Institute of Ecology and Climate Monitoring	Lebed, L.V., Kosinov, A.N., & Chebotar, E.		Doraiswamy,	Hydrology and Remote Sensing Beltsville, MD	Moisture supply effective inspection modern technology development for spring wheat with harvest and disease damage forecasting and recommendations for protection plants on the	9/1/2001	48	Completed
K-1396	Kazakh Research Institute of Ecology and Climate Monitoring	Lebed, Lyubov	Scientific Research Agricultural	Heilman, Philip	Southwest Watershed Research Tuscon, AZ	To restore regular monitoring of pasturelands of Kazakhstan on the basis of space and ground information in a context of profitable economic usage, decrease of paces of a desertification and stabilization of balance CO2 in	5/1/2006	36	Funded
K-516p	Scientific Research Agricultural Institute	Mambetaliyev, M.		Rodriguez, Luis	Plum Island Animal Disease Center Orient Point, NY	Biological and Genetic Characterization of Animal	11/1/2000	60	Funded

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K-374	Scientific Research Agricultural Institute	Rsaliyev, S.		Kolmer, Jim	Cereal Disease Laboratory Saint Paul, MN	Study of Natural Populations of Wheat Rust Agents in Kazakhstan	12/1/2001	60	Funded
Country: RUSSIA									
2538p	Federal Governmental Institution Federal Center for Animal Health	Drygin, Vladimir & Zakharov, V.		Baxt, Barry	Foot and Mouth Disease Research, PIADC Orient Point, NY	Characterization of newly emerged foot-and-mouth disease viruses	9/1/2002	72	Funded
3014p	Federal Governmental Institution Federal Center for Animal Health	Drygin, V.; Naroditsky, B.S.	N.F. Gamaleya Research Institute of Epidemiology & Microbiology	Hunt, Henry	Avian Disease and Oncology Research East Lansing, MI	The development and study of recombinant adenovirus CELO carrying Marek's disease virus genes as a possible gene engineering	3/1/2005	36	Funded
3017	Federal Governmental Institution Federal Center for Animal Health	Irza, V., Gusev, A.		Branton, Scott	Poultry Research Mississippi State, MS	Isolation and identification of Mycoplasmas, development of reliable antigen for Mycoplasmas detection and oil-based vaccines	4/1/2005	36	Funded
3460	Federal Governmental Institution Federal Center for Animal Health	Borisov, V.		Kapczynski, Darrell	Southeast Poultry Research Laboratory Athens, GA	Study on adjuvant properties of different substances forming inactivated vaccines against avian viral diseases	9/1/2006	36	Funded
3005	Federal Governmental Institution Federal Center for Animal Health	Starov, S.		Yu, Qingzhong	Southeast Poultry Research Laboratory Athens, GA	Detection and Characterization of Newly Emerged Newcastle Disease and Avian Influenza Viruses	6/1/2006	36	Funded
3036	Russian Research Institute of Biological Plant Protection	Volkova, Galina Vladimirovna		Brown-Guedira, Gina & Kolmer, James	Plant Science and Entomology Research and Cereal Disease Lab Manhattan, KS and St. Paul, MN	Characterization of brown rust population genetics and host plant gene pool in the North-Caucasian region	10/1/2005	36	Funded

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3034	Russian Research Institute of Biological Plant Protection	Terekhov, Vladimir Ilich		Gulya, Thomas	Sunflower Research Fargo, ND	Sunflower phomopsis (Phomopsis (Diaporthe) Helianthi Munt.-Cvet. E.a.): Control of Epiphytoties by Using the Products of Biogenic	5/1/2005	36	Funded
3035	Russian Research Institute of Biological Plant Protection	Strelkov, Vladimir Denisovich		Duke, Stephen; Dayan, Franck & Baerson, Scott	Natural Products Utilization Research University, MS	Development of techniques and products to reduce herbicide impacts on crops	5/1/2005	36	Funded
3289	All Russia Rice Research Institute	Mihajlovna, M. Z. & Mihajlovich, K. E.	All Russia Research	Berner, Dana	Foreign Disease- Weed Science Research Unit Ft. Detrick, MD	Biodiversity study of the most agriculturally important weeds in the Krasnodar region of Russia & selection of fungi strains for classical and inundative biological control of these weeds	10/1/2005	36	Funded
3455	Institute of Physico- Chemical Biology, Moscow State University	Yajov Efimovich Dunaevsky	All Russian Research Institute of Phytopathology	Oppert, Brenda & Lord, Jeffrey	ARS Grain Marketing and Production Research Center Manhattan, KS	Search for Molecular Markers of Phytopathogenesis and Study of the Role of Protein Protease Inhibitors in Pathogenesis	7/1/2006	36	Funded
2089p	NARVAC Research & Development, Ivanovsky Virology Institute	Zabereshny, Alexei		Borca, Manuel	Plum Island Animal Disease Center Orient Point, NY	Development of a new recombinant marked live vaccine against classical swine fever	7/1/2001	72	Funded
2095p	NARVAC Resarch and Development, Ivanovsky Virology Institute	Dudnikova, K.		Witter, Dick and Fadly, Aly	Avian Disease and Oncology Lab East Lansing, MI	Epidemiology, pathogenecity of Marek's disease viruses and prospective candidate vaccines in Russia	4/1/2002	60	Funded
2800p	NARVAC Research and Development, Ivanovsky Virology Institute	Vlasov, N. & Lvov, D.	Federal Governmental Institution Federal Center for Animal Health	Suarez, David	Southeast Poultry Research Laboratory Athens, GA	Influenza A viruses of pigs and birds: interaction of the populations	10/1/2004	36	Funded

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2777p	NARVAC Research and Development, Ivanovsky Virology Institute	Kalnov, S.	Federal Governmental Institution Federal Center for Animal Health	Knowles, Donald and O'Rourke, Katherine	Animal Disease Research Unit Pullman, WA	Development of Diagnostics Methods for Detection of TSEs	4/1/2004	36	Funded
1996p	All Russian Research Institute of Phytopathology	Dzhavakhiya, V. & Starodubtseva, A.		Masler, Edward	Nematology Laboratory Beltsville, MD	Discovery of active molecules from natural products for the control of plant parasitic nematodes	7/1/2001	72	Funded
1995p	All Russian Research Institute of Phytopathology	Mozhaeva, K.	Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry	Domier, Leslie	Soybean/Maize Germplasm, Pathology, and Genetics Research Urbana, IL	Viral diseases in small grain crops (barley yellow dwarf virus)	3/1/2001	48	Completed
1771p	All Russian Research Institute of Phytopathology	Matveeva, E.		Schaad, Norman	Foreign Disease-Weed Science Research Fort Detrick, MD	Creation and preservation of the genofond of the Russian phytopathogenic bacterium	3/1/2001	51	Completed
2682p	All Russian Research Institute of Phytopathology	Aver'yanov, A.	Russian People's Friendship University, Faculty of Agriculture	Baker, C.J.	Molecular Plant Pathology Beltsville, MD	Prooxidant/Antioxidant State of Infective Drop as Related to Plant Disease Resistance	7/1/2003	60	Funded
2472p	All Russian Research Institute of Phytopathology	Sanin, S. & Ibragimov, T.	All Russia Research Institute of Plant Protection & Russian Research Institute of Biological Plant Protection	Chen, Xianming	Wheat Genetics, Quality Physiology and Disease Research Pullman, WA	Determination of epidemiological factors and control of fungal disease complex on cereal crops in Russia using biotechnology and information technology	8/1/2002	72	Funded

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3215p	All Russian Research Institute of Phytopathology	Kvasnyuk, N.		Deahl, Kenneth	Vegetable Laboratory Beltsville, MD	Study of sources of initial infection of potato by Phytophthora infestans for the purpose of improving the method of forecasting disease appearance in conditions of sexual and asexual	7/1/2005	36	Funded
3052p	All Russian Research Institute of Phytopathology	Shcherbakova, Larisa		Fravel, Deborah	Vegetable Laboratory Beltsville, MD	The Role of Metabolites from Non-Pathogenic Fusarium isolates in Biocontrol and Pathogenesis of Cereal Root Rots and Fusarium Wilt of Tomato	9/1/2004	36	Funded
3352	All Russian Research Institute of Phytopathology	Kovalenko, E.	Agricultural Research Institute of Non-Chernozem Zone	Bockelman, Harold E.	National Small Grains Collection Aberdeen, Idaho	Creation of germplasm of wheat donors and sources resistant to several harmful pathogens	1/1/2006	36	Funded
3431	All Russian Research Institute of Phytopathology	Ignatov, Alexander		Schaad, Norman	ARS Foreign Disease-Weed Science Research Fort Detrick, MD	Collection, identification, characterization, and preservation of Russian population of phytopathogenic bacteria	6/1/2006	36	Funded
3468	All Russian Research Institute of Phytopathology	Kastalyeva, Tatyana		Owens, Robert & Ing-Ming Lee	Molecular Plant Pathology Beltsville, MD	Viroid and Phytoplasma Diseases Affecting Potato Production in	6/1/2006	36	Funded
1720p	State Research Center for Applied Microbiology	Svetoch, Edward A.		Stern, Norman	Poultry Microbiological Safety Research Athens, GA	Microbial antagonists and Lysing Phages to be used for control campylobacter colonization in broiler chickens	4/1/2000	72	Funded
1839p	State Research Center for Applied Microbiology	Biketov, Sergei F. & Zaberezhny, A.	NARVAC Research and Development, Ivanovsky Virology Institute	Lager, Kelly (was William Mengeling who retired)	Virus and Prion Diseases of Livestock Research Ames, IA	Development of a new recombinant marked attenuated vaccine against porcine reproductive and respiratory syndrome	6/1/2000	72	Completed
2332p	State Research Center for Applied Microbiology	Koretskaya, Nina G.		Martin, Phyllis	Insect Biocontrol Laboratory Beltsville, MD	Protein engineering of Bacillus thuringiensis insecticidal proteins	4/1/2002	45	Completed

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2336p	State Research Center for Applied Microbiology	Kolombet, L.V.	informal - Russian Research Institute of Biological Plant Protection (field trials)	Schisler, David	Crop Bioprotection Research Peoria, IL	Development of the technology for producing and application of biocontrol agent effective against Fusarium ear scab of wheat and other cereals	4/1/2002	42	Completed
2338p	State Research Center for Applied Microbiology	Likhovidov, Vladimir E.		Humber, Richard & Gibson,	Plant Protection Research Ithaca, NY	Studies and evaluation of entomopathogenic fungi as new biopesticides producers	4/1/2002	72	Funded
3108p	State Research Center for Applied Microbiology	Zhilentov, E. L., Svetoch, E.		Siragusa, Gregory	Poultry Microbiological Safety Research Athens, GA	Isolation, characterization and application of lytic bacteriophage (or other microbial antagonists) against Clostridium perfringens associated with necrotic enteritis in poultry production to reduce human foodborne C. perfringens	2/1/2005	36	Funded
3107p	State Research Center for Applied Microbiology	Dunaitsev, I.		Scagel, Carolyn	Horticultural Crops Research Corvallis, OR	Direct microbiological mobilization of phosphates from phosphate ore materials: application of agriculture and	3/1/2005	36	Funded
3445	State Research Center for Applied Microbiology	Svetoch, Edward		Stern, Norman and Line, Eric	Poultry Microbiological Safety Research Unit Athens, GA	Bacteriocin production and field trials for treating Campylobacter jejuni and Salmonella spp. in	7/1/2006	30	Funded
2625p	Saint Petersburg State University, Geography and Geoecology Faculty	Afonin, A., Frolov, A. & Dzyubenko, N.	All Russian Research Institute of Plant Protection & N.I. Vavilov All Russian Institute for Plant Industry	Greene, Stephanie	Plant Germplasm Introduction and Testing Research Prosser, WA	Development of a GIS-based interactive agricultural atlas to promote food security in the former Soviet Union	1/1/2003	36	Funded
1975.2p	Resarch Center of Toxicology and Hygienic Regimentation of Biopreparations	Denisov, A.		Stern, Norman	Poultry Microbiological Safety Research Athens, GA	Development of Lactobacillus spp. Synthesizing Tumor Necrosis Factor – β to Control Enteropathogens in Farm Animals	10/1/2002	36	Funded

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1976p	Research Center of Toxicology and Hygienic Regimentation of	Onatsky, N.	FGUP - GosNIIGenetika	Oppert, Brenda & Martin, Phyllis	(1) Biological Research (2) Insect Biocontrol Lab (1) Manhattan, KS (2) Beltsville, MD	New generation insecticidal preparation of extended host range on the basis of Bacillus	9/1/2002	33	Completed
1883p	State Research Center for Virology and Biotechnology	Voevoda, Mikhail & Romashchenko, A.	Institute of Cytology & Genetics	Laegreid, Will	Animal Health Research Clay Center, NE	Evaluation of the effects of allelic variation of bovine cytokine and other related genes on susceptibility to chronic infectious	10/1/2000	27	Completed
1881p	State Research Center for Virology and Biotechnology	Blinov, Vladimir M. & Konstantinovich,	Ivanovsky Virology Institute	Swayne, David & Suarez, David	Southeast Poultry Research Laboratory Athens, GA	Search for, isolation and characterization of avian influenza viruses on birds in their natural habitats and stopover areas in Western Siberia and Kyrgystan during migration to South China	10/1/2000	24	Completed
2176p	State Research Center for Virology and Biotechnology	Shchelkunov, S. & N. Rekoslavskaya	Siberian Institute of Plant Physiology & Biochemistry	Hammond, Rosemarie	Molecular Plant Pathology Beltsville, MD	Development of edible vaccines using transgenic plants	10/1/2001	78	Funded
3329	N.I. Vavilov All Russian Institute for Plant Industry	Gavrilenko, Tatiana	All-Russia Research Institute of Plant Protection	Spooner, David	Vegetable Crops Research Unit Madison,	Genome evolution and potato taxonomy studied by in-situ hybridization and characterization of the Russian National Collection of Cultivated Potato Species by microsatellites and morphology.	2/1/2006	36	Funded
Country: TAJIKISTAN									
T-1419	Chemistry Institute of Tajikistan Academy of Science	Muhydinov, Zayniddin		Liu, LinShu	Eastern Regional Research Center Wyndmoor, PA	Development and Evaluation of Pectin-Protein Formulations for Colon-Specific Drug Delivery	9/1/2006	36	Funded
T-1420	Chemistry Institute of Tajikistan Academy of Science	Muhydinov, Zayniddin		Fishman, Marshall	Eastern Regional Research Center Wyndmoor, PA	Development of a New Method for the Production of Pectin	9/1/2006	36	Funded

Country: UZBEKISTAN

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P-117	Institute of Bioorganic Chemistry	Abdukakharov, V.		Bartelt, Robert & Cosse, Allard	Crop Bioprotection Research Peoria, IL	Discovery, synthesis and evaluation of new pheromones for insect pests in Uzbekistan	12/1/2002	36	Completed
P-115	Institute of Bioorganic Chemistry	Golubenko, Z.		Stipanovic, Robert	Cotton Pathology Research College Station, TX	Characterization of Phytoalexins from the Malvaceae in Uzbekistan	12/1/2002	51	Funded
P-181	Institute of Bioorganic Chemistry	Bakhtiyar Ibragimov	Institute of Plant Substances Chemistry, Plant Protection	Dowd, Michael	Commodity Utilization Research, SRRC New Orleans, LA	Structure, Chemistry and Biological Activity of Gossypol Related Compounds from	5/1/2005	36	Funded
P-144	Institute of Genetics and Experimental Biology of Plants	Ahmedov, M.		Triplett, Barbara	Cotton Structure and Quality New Orleans, LA	Novel methods to produce cotton somatic embryos from gossypium hirsutum and other species	11/1/2004	36	Funded
P-120	Institute of Genetics and Experimental Biology of Plants	Abdurakhmonov, I.		(1) Kohel, Russell ,Yu, John (2) Saha, Sukamar	Crop Germplasm Research College Station, TX	Molecular mapping of fiber quality genes using Uzbek cotton germplasm resources	2/1/2003	72	Funded
P-121	Institute of Genetics and Experimental Biology of Plants	Abdurakhmonov, I.		Saha, Sukamar	Genetics and Precision Agricultura Mississippi State, MS	Characterization and molecular mapping of phytochromes and flowering genes in cotton	2/1/2003	72	Funded
P-129	Institute of Genetics and Experimental Biology of Plants	Shadmanov, R.		Scheffler, Jodi	Crop Genetics and Production Stoneville, MS	Improvement of cotton and other crop varieties on tolerance to wilt, salinity, drought, increasing earlylness and fiber quality	10/1/2003	36	Funded
P-119	Institute of Genetics and Experimental Biology of Plants	Abdukarimov, Khamraev, Usmonov & Sagdiev	Institute of Zoology & Institute of Physiology and	Greenstone, Matt; Slack, Jeff, Gundersen-Rindal, Dawn & Hammock, B. (UCD)	Insect Biocontrol Laboratory Beltsville, MD	Development of Baculovirus-based Pesticide Technology in Uzbekistan	2/1/2003	36	Completed

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P-226	Institute of Microbiology	Khodjibaeva, S.	Institute of Chemistry of Plant Compounds	Stipanovic, Robert and C.R. Howell	Cotton Pathology Research College Station, TX	Biological control of verticillium wilt in cotton	9/1/2005	36	Funded
P-122	Institute of Zoology	Khamraev, A.		Raina, Ashok	Formosan Subterranean Termite Research New Orleans, LA	Development of a termite treatment system against the Turkestan termite, a major risk to cultural heritage in Central Asia	10/1/2003	36	Funded
P-114	Institute of Zoology	Azimov & Kuchbaev, A.E.	Inst. of Physiology & Biophysics, Institute of Biochemistry & National University of	Hoberg, Eric	Animal Parasitic Diseases Laboratory Beltsville, MD	Populational Ecology and Systematics of the family protostrongylidae, the parasites of	2/1/2003	36	Completed
P-225	Scientific Centre of Plant Production "Botanika"	Shomurodov, Habibullo	Institute of Microbiology; Institute of General & Inorganic Chemistry; Bioecology	Upchurch, Dan	Cropping Systems Research Laboratory Lubbock, Texas	Research on Sand Stabilization Techniques	9/1/2005	36	Funded
P-116	Uzbekistan National Cotton Growing Research Institute	Kamilov, Ibragimov, N. & Butaev, M.	Samarkand Veterinary Institute	Evelt, Steve & Howell, Terry & Purdy, Charles	Soil and Water Management Research Unit Bushland, TX	Improving Water Use Efficiency and Water Quality in Uzbekistan	4/1/2003	36	Completed
P-105	Uzbek Scientific Institute of Crop Protection	Marupov, A.		Stipanovic, Robert	Cotton Pathology Research College Station, TX	Studying the intra-species variability of different geographical populations of Verticillium dahliae and Fusarium oxysporum f.sp. Vasinfectum and those aggressiveness in respect to new developed varieties of cotton in	2/1/2005	36	Funded