

ARS-Former Soviet Union Scientific Cooperation Program Funded Projects

ARS ID#	ISTC#	Lead FSU Institute	FSU PI	Other FSU Institutes	Name(s) of ARS scientist(s)	ARS location	Title	Date proposal funded	Dur. of Proj. (mo.)	Current status
Country: Kazakhstan										
235	K-896	IEB	Toishibekov, Y. & Vasilkova, M.	SRAI	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	Completed
464	K-1322	IIB	Baltayev, U.		Orts, Williams and Wong, Dominic	Western Regional Research Center	Development of the Technology for Production Refined Enzymatic Agents	7/1/2006	36	Funded
471	K-1313	IIB	Nadirov, B., Alimkhojayev, K., Gilmanov, M.	Res Inst of the Prob of Bio & Biotech/Kaz. Nat'l Univ.	Orts, William and Robertson, George	Western Regional Research Center	Perfection of Manufacturing Technologies of "Dried" Gluten, starch liquid and new bioregulators from wheat grain	2/1/2006	36	Funded
476	K-1251	IIB	Kenzhebayev,		Weimer, Paul and Muck, Richard	US Dairy Forage Lab 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
421	K-297p	IMBB	Gilmanov, Murat	SRAI	Cheung, Andrew	Virus and Prion Diseases of Livestock Research Unit Ames, IA	The development of bioregulators for acceleration of growing tissue and cell cultures used in virology	3/1/2005	36	Funded
160	K-525p	Inst. of M&V	Berezin, V.	SRAI	Fetterer, Ray (was Harry Danforth)	Animal Parastic Diseases Laboratory Beltsville, MD	ISCOMs Delivery of Recombinant Coccidial (Eimeria) Antigens	11/1/2000	72	Funded
225	K-747p	Inst. of M&V	Berezin, V.	SRAI	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 using new techniques	1/1/2002	72	Funded

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447	K-1189	Inst. of M&V	Bekmakhanova, Nadiya Ermukhanovna	KSCQZD	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
190	K-428p	IPPGB	Kovalchuk, I.	Monitoring Lab	Reed, Barbara	National Clonal Germplasm Repository Corvallis, OR	Preservation of germplasm of fruit, berry cultures and grapes in Kazakhstan	11/1/2001	72	Funded
247	K-790p	IPPGB	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
424	K-486	ISS	Djalankuzov, T. & Boiko, O.	SRAI	Busscher, Warren	Coastal Plain Soil, Water & Plant Conservation Research Florence, SC	Methods of Agroamelioration of Soil Strength and Fertility Problems for Irrigated Cotton Production Management on Sierozem Soil	11/1/2005	36	Funded
143	K-444p	KazNIIIEK	Lebed, L.V., Kosinov, A.N., & Chebotar, E.	Monitoring Lab, Biomedpreparat & SRAI	Doraiswamy, Paul	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 Kazakstan territory	9/1/2001	48	Completed
463	K-1396	KazNIIIEK	Lebed, Lyubov	SRAI	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 atmosphere	5/1/2006	36	Funded
148	K-516p	SRAI	Mambetaliyev, M.		Rodriguez, Luis	Plum Island Animal Disease Center	Biological and Genetic Characterization of Animal Pathogens	11/1/2000	60	Completed
243	K-374	SRAI	Rsaliyev, S.		Kolmer, Jim	Cereal Disease Laboratory Saint Paul, MN	Study of Natural Populations of Wheat Rust Agents in Kazakhstan	12/1/2001	66	Funded

Country: Russia

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77	2538p	ARRIAH	Drygin, Vladimir & Zakharov, V.		Rieder, Elizabeth	Foot and Mouth Disease Research, PIADC Orient Point, NY	Characterization of newly emerged foot-and-mouth disease viruses	9/1/2002	72	Funded
232	3014p	ARRIAH	Drygin, V.; Naroditsky, B.S.	Gamaleya	Hunt, Henry	Avian Disease and Oncology Research East Lansing, MI	The development and study of recombinant adenovirus CELO caring Marek's disease virus genes as a possible gene engineering vaccine	3/1/2005	36	Funded
265	3017	ARRIAH	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
269	3460	ARRIAH	Borisov, V.		Kapczynski, Darrell	Southeast Poultry Research Laboratory Athens, GA	Study on adjuvantic properties of different substances forming inactivated vaccines against avian viral diseases	9/1/2006	36	Funded
271	3005	ARRIAH	Starov, S.		Yu, Qingzhong & Bruce Seal	Southeast Poultry Research Laboratory Athens, GA	Detection and Characterization of Newly Emerged Newcastle Disease and Avian Influenza Viruses	6/1/2006	36	Funded
429	3036	ARRIBPP	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
432	3034	ARRIBPP	Terekhov, Vladimir Ilich		Gulya, Thomas	Sunflower Research Fargo, ND	Sunflower phomopsis (Phomopsis (Diaporthe) Helianthi Munt.-Cvet. E.a.): Control of Epiphytotes by Using the Products of Biogenic Origin	5/1/2005	36	Funded
435	3035	ARRIBPP	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

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483	3289	ARRRI	Mihajlova, M. Z. & Mihajlovich, K. E.	RRIP	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
502	3455	Inst. Phys.-Chem. Biol. MSU	Yajov Efimovich Dunaevsky	RRIP	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
89	2089p	NARVAC	Zabereshny, Alexei		Borca, Manuel and Luis Rodriguez	Plum Island Animal Disease Center	Development of a new recombinant marked live vaccine against classical swine fever	7/1/2001	72	Funded
90	2095	NARVAC	Dudnikova, Ekaterina		Witter, Dick and Fadly, Aly	Avian Disease and Oncology Lab East Lansing, MI	Epidemiology, pathogenicity of Marek's disease viruses and prospective candidate vaccines in Russia	4/1/2002	60	Funded
263	2800p	NARVAC	Vlasov, N. & Lvov, D.	Informal - ARRIVAM & ARRIAH	Suarez, David	Southeast Poultry Research Laboratory Athens, GA	Influenza A viruses of pigs and birds: interaction of the populations	10/1/2004	36	Funded
264	2777p	NARVAC	Kalnov, S.	Informal - ARRIVAM, ARRIAH	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
91	1996p	RRIP	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
100	1995p	RRIP	Mozhaeva, K.	Shemyakin-Ovchinnikov	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

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218	1771p	RRIP	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
244	2682p	RRIP	Aver'yanov, A.	Russian People's Friendship Univ./ Fac. of Ag	Baker, C.J.	Molecular Plant Pathology Laboratory Beltsville, MD	Prooxidant/Antioxidant State of Infective Drop as Related to Plant Disease Resistance	7/1/2003	60	Funded
268	2472p	RRIP	Sanin, S. & Ibragimov, T.	VIZR & ARRIBPP	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
374	3215p	RRIP	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 development of pathogen	7/1/2005	36	Funded
448	3052p	RRIP	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
473	3352	RRIP	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
474	3431	RRIP	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
491	3468	RRIP	Kastalyeva, Tatyana		Owens, Robert & Ing-Ming Lee	Molecular Plant Pathology Laboratory Beltsville, MD	Viroid and Phytoplasma Diseases Affecting Potato Production in Russia	6/1/2006	36	Funded

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57	1720p	SRCAM	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	Completed
63	1839p	SRCAM	Biketov, Sergei F. & Zaberezhny, A.	NARVAC	Lager, Kelly (was William Mengeling who retired)	Virus and Prion Diseases of Livestock Research Unit Ames, IA	Development of a new recombinant marked attenuated vaccine against porcine reproductive and respiratory syndrome	6/1/2000	72	Completed
123	2332p	SRCAM	Koretskaya, Nina G.		Martin, Phyllis	Insect Biocontrol Laboratory Beltsville, MD	Protein engineering of Bacillus thuringiensis insecticidal proteins	4/1/2002	45	Completed
128	2336p	SRCAM	Kolombet, L.V.	informal - ARRIBPP (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
129	2338p	SRCAM	Likhovidov, Vladimir E.		Humber, Richard & Gibson, Donna	Plant Protection Research Ithaca, NY	Studies and evaluation of entomopathogenic fungi as new biopesticides producers	4/1/2002	72	Funded
405 of 2/1/2005	3108p 36	SRCAM	Zhilenkov, E. L., Funded Svetoch, E.		Siragusa, Gregory	Poultry Microbiological Safety Research Athens, GA	lytic bacteriophage (or other microbial antagonists) against Clostridium perfringens associated with necrotic enteritis in poultry production to reduce human foodborne C. perfringens disease.	Isolation, characterization and application		
428	3107p	SRCAM	Dunaitsev, I.		Scagel, Carolyn	Horticultural Crops Research Corvallis, OR	Direct microbiological mobilization of phosphates from phosphate ore materials: application of agriculture and industry needs	3/1/2005	36	Funded
499	3571	SRCAM	Abaev, Igor V.		Donovan, David	Biotechnology and Germplasm Lab, ANRI Beltsville, MD	Isolation and Characterization of Novel Antimicrobials Against Staphylococcus aureus: bacteriophage endolysins	12/1/2006	36	Funded

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524	3445	SRCAM	Svetoch, Edward		Stern, Norman and Line, Eric	Poultry Microbiological Safety Research Unit Athens, GA	Bacteriocin production and field trials for treating <i>Campylobacter jejuni</i> and <i>Salmonella</i> spp. in Broilers	7/1/2006	30	Funded
270	2625p	St. Pete Univ.	Afonin, A., Frolov, A. & Dzyubenko, N.	VIZR, VIR	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
220	1975.2p	Toxicology	Denisov, A.		Stern, Norman	Poultry Microbiological Safety Research Athens, GA	Development of <i>Lactobacillus</i> spp. Synthesizing Tumor Necrosis Factor – β to Control Enteropathogens in Farm Animals	10/1/2002	36	Funded
286	1976p	Toxicology	Onatsky, N.	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 <i>Bacillus thuringiensis</i>	9/1/2002	33	Completed
29	1883p	Vector	Voevoda, Mikhail & Romashchenko, A.	Institute of Cytology & Genetics SD RAS	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 diseases	10/1/2000	27	Completed
73	1881p	Vector	Blinov, Vladimir M. & Konstantinovich, L.	Ivanovsky	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
159	2176p	Vector	Shchelkunov, S. & N. Rekoslavskaya	Siberian Inst. of Plant Physiology & Biochem.	Hammond, Rosemarie	Molecular Plant Pathology Laboratory Beltsville, MD	Development of edible vaccines using transgenic plants	10/1/2001	78	Funded
460	3329	VIR	Gavrilenko, Tatiana	VIZR	Spooner, David	Vegetable Crops Research Unit Madison, Wisconsin	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

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493	T-1419	Chemistry Institute of Tajikistan	Muhyidinov, 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
494	T-1420	Chemistry Institute of Tajikistan	Muhyidinov, 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										
461	P-293	Cotton Breeding Institute	Namozov, S.; Golubenko, Z.; Haitov, V.	Institute of Bioorganic Chemistry, Uzbek Scientific Research Institute of Veterinary	Stipanovic, Robert & Bell, A.	Southern Plains Agricultural Research Center College Station, TX	Development of Cottonseed with High-Levels of (+)- Gossypol as a feed for non-ruminant animals	3/1/2007	36	Funded
282	P-117	IBC	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
337	P-115	IBC	Golubenko, Z.		Stipanovic, Robert	Cotton Pathology Research College Station, TX	Characterization of Phytoalexins from the Malvaceae in Uzbekistan	12/1/2002	51	Completed
446	P-181	IBC	Bakhtiyar Ibragimov	Inst. of Plant Substances Chemistry, Plant Protection Inst.	Dowd, Michael	Commodity Utilization Research, SRRC New Orleans, LA	Structure, Chemistry and Biological Activity of Gossypol Related Compounds from Cottonseed Glands.	5/1/2005	36	Funded
303	P-144	Inst. of Genetics	Ahmedov, M.		Triplett, Barbara	Cotton Structure and Quality Research Unit New Orleans, LA	Novel methods to produce cotton somatic embryos from gossypium hirsutum and other species	11/1/2004	36	Funded

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304	P-120	Inst. of Genetics	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
306	P-121	Inst. of Genetics	Abdurakhmonov, I.		Saha, Sukamar	Genetics and Precision Agricultura Research Mississippi State, MS	Characterization and molecular mapping of phytochromes and flowering genes in cotton	2/1/2003	72	Funded
308	P-129	Inst. of Genetics	Shadmanov, R.		Scheffler, Jodi	Crop Genetics and Production Research Stoneville, MS	Improvement of cotton and other crop varieties on tolerance to wilt, salinity, drought, increasing earlyness and fiber quality	10/1/2003	36	Funded
335	P-119	Inst. of Genetics	Abdukarimov, Khamraev, Usmonov & Sagdiev	Inst. of Zoology & Inst. of Physiology and Biophysics	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
414	P-226	Inst. 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
285	P-122	Inst. of Zoology	Khamraev, A.		Raina, Ashok	Formosan Subterranean Termite Research Unit 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
336	P-114	Inst. of Zoology	Azimov & Kuchbaev, A.E.	Inst. of Physiology & Biophysics, Inst. of Biochemistry & Nat'l Univ. of UZ	Hoberg, Eric	Animal Parasitic Diseases Laboratory Beltsville, MD	Populational Ecology and Systematics of the family protostrongylidae, the parasites of bovidae	2/1/2003	36	Completed

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480	P-225	Scientific Centre of Plant Production "Botanika"	Shomurodov, Habibullo	Inst. of Microbiology, Inst. of Gen. & Inorganic Chem., Bioecol. Inst.	Baker, Jeff	Cropping Systems Research Laboratory Lubbock, Texas	Research on Sand Stabilization Techniques	9/1/2005	36	Funded
334	P-116	UZ Nat'l Cotton Growing Res. Inst.	Kamilov, Ibragimov, N. & Butaev, M.	Samarkand Veterinary Inst.	Evett, 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
315	P-105	Uzbek Scientific Institute of Crop Protection	Marupov, A.	Inst. of Genetics	Stipanovic, Robert	Cotton Pathology Research College Station, TX	Studying the intra-species variability of different geographical populations of <i>Verticillium dahliae</i> and <i>Fusarium oxysporum</i> f.sp. <i>Vasinfectum</i> and those aggressiveness in respect to new developed varieties of cotton in cotton-wheat seeding rotation	2/1/2005	36	Funded