



STCU Funding Table

35th Governing Board Meeting

30 November 2012

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
4148	GE	Tbilisi	Application of Ecologically Pure Natural Preparation Asma-1 against Plant Diseases	Georgian State Agriculture University	\$98,032							US:2 Canada:2 EU:2
5114	AZ	Baku	Biodiversity and Changes In The Entomofauna Within The Oil Extracting Forests Of North-East Azerbaijan	Institute of Zoology	\$253,857							US:2 Canada:2 EU:2
5260	GE	Tbilisi	Research and Development of Y123 type doped HTS nanostructural materials with improved critical characteristics	I. Vekua Sukhumi Institute of Physics and Technology	\$295,895							US:2 Canada:2 EU:2
5420	GE	Tbilisi	Development of the Novel Pulsed Differential Scanning Calorimeter for Investigation of Nanoobjects and High-temperature Superconductors	Tbilisi I. Javakishvili State University	\$211,960							US:2 Canada:2 EU:2
5433	GE	Tbilisi	Elaboration of Boron 10 and Boron 11 isotopes contained novel materials for nuclear reactors	Georgian Technical University	\$180,000							US:2 Canada:2 EU:2
5444	GE	Tbilisi	Nanocrystalline boron carbide based new metal-ceramic materials and products	F. Tavazde Institute of Metallurgy and Material Sciences	\$198,886							US:2 Canada:2 EU:2
5466	GE	Tbilisi	Development and testing of novel non-toxic, environmentally friendly fire-extinguishing powders and foam suspensions	Durmishidze Institute of Biochemistry and Biotechnology	\$138,324							US:2 Canada:2 EU:2
5477	UA	Kyiv	Development of Algorithms for Attitude and Configuration Control Systems of Space-Based Solar Power Satellites	S.P. Timoshenko Institute of Mechanics	\$243,484							US:2 Canada:2 EU:2
5482	GE	Tbilisi	Development of biotechnologies of bacterial preparations on the base of Bacillus thuringiensis in Georgia	Georgian Agricultural University, Levan Kanchaveli Institute of Plant Protection	\$186,818							US:2 Canada:2 EU:2
5533	UA	Kharkiv	Theory and new technologies of discrete strengthening of high-loaded constructions	National Technical University "Kharkiv Polytechnical Institute"	\$365,420							US:2 Canada:2 EU:2
5542	UA	Kyiv	Development of technology for manufacturing high-quality titanium sheet products by asymmetric rolling of powders	I.M. Frantsevich Institute of Problems of Materials Science	\$102,804							US:2 Canada:2 EU:2
5556	GE	Tbilisi	Volume regulation in secretory vesicles: A Critical Requirement in Cell Secretion	Life Science Research Center	\$254,536							US:2 Canada:2 EU:2
5610	AZ	Baku	Impact of ecological factors (heavy metals, radiation, oil products) on products honeybee Apis mellifera	Institute of Zoology	\$99,980							US:2 Canada:2 EU:2
5615	GE	Tbilisi	New Magnetic Porous Materials with Combined Functions Usage	Tbilisi I. Javakishvili State University	\$272,068							US:2 Canada:2 EU:2
5616	UA	Dnipropetrovsk	Bipropellant pneumopump for an apogee engine, to increase performance of geostationary telecommunication satellites	State Public Enterprise "M.K.Yangel Design Office "Pivdenne"	\$190,233							US:2 Canada:2 EU:2

1. Review Incomplete
2. Review Complete - No willingness to fund
3. Rewrite / resubmit - see comments
4. Same as 3

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5618	GE	Tbilisi	Neuronal Porosome and Neurotransmitter Release in Brain	Ilia State University, Tbilisi, Georgia	\$285,300							US:2 Canada:2 EU:2
5621	GE	Tbilisi	Influence of fast local fluctuations of meteorological factors on heart patients in urban environment.	Tbilisi I. Javakishvili State University	\$70,000							US:2 Canada:2 EU:2
5625	GE	Tbilisi	DNA DIVERSITY OF GEORGIAN ENDEMIC WHEATS AND THEIR PREDECESSORS BY SNP AND CNV	NLE Agrarian University of Georgia	\$70,000							US:2 Canada:2 EU:2
5626	GE	Tbilisi	Study of emotional-motivational, neurovegetative correlates of extremely low frequency electromagnetic field exposure	Life Science Research Center	\$70,000							US:2 Canada:2 EU:2
5627	GE	Tbilisi	New composite materials on the basis of vegetative raw materials and ecologically pure coatings	Tbilisi I. Javakishvili State University	\$70,000							US:2 Canada:2 EU:2
5628	GE	Tbilisi	Elaboration of Biological Control to Parasite Plant Broomrape at Sunflower Crops in Georgia	Agrarian University of Georgia, Kanchaveli L.Institute of Plant Protection	\$70,000							US:2 Canada:2 EU:2
5631	GE	Tbilisi	Development and Research n & p type Crystals and Nano-Size Structures of beta-Rhombohedral Boron	I. Vekua Sukhumy Institute of Physics and Technology	\$70,000							US:2 Canada:2 EU:2
5636	GE	Tbilisi	Concrete Protection from Destructive Effect of Surface-Active Substances by Their Impregnation with Thermoplastic Materials	Union "Science and Energetics"	\$70,000							US:2 Canada:2 EU:2
5637	GE	Tbilisi	The Universal Container resistant to explosion, kinetic shock-worker, high temperatures and radiation	F. Tavadze Institute of Metallurgy and Material Sciences	\$70,000							US:2 Canada:2 EU:2
5638	GE	Kutaisi	Theoretical and Experimental Investigation of Electro-Membrane Processes for Manufacturing of High-Performance Electro-Dialysis Membranes	Akaki Tsereteli State University	\$70,000							US:2 Canada:2 EU:2
5639	GE	Batumi	Study of spread area and pathotype structure of Synchronium endobioticum in Georgia	Shota Rustaveli State University	\$69,980							US:2 Canada:2 EU:2
5640	GE	Tbilisi	Hot Explosive Consolidated Novel Nanostructural Ag-W Compositions with Improved Electronic Properties	G. Tsulukidze Mining Institute	\$70,000							US:2 Canada:2 EU:2
5641	GE	Tbilisi	Validation of New DTI Parameters as imaging biomarkers of Ischemic Stroke	Georgian Neuroforume	\$70,000							US:2 Canada:2 EU:2
5642	GE	Tbilisi	Creation of modeling software for molecular nanostructures development and some quantum processes inside them	Tbilisi I. Javakishvili State University	\$69,636							US:2 Canada:2 EU:2

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5643	GE	Tbilisi	Elaboration of low temperature electroplating technology of metals with obtaining nanostructural aluminum coatings	Ivane Javakishvili Tbilisi State University, R.Agladze Institute of Inorganic Chemistry and Electrochemistry	\$70,000							US:2 Canada:2 EU:2
5650	GE	Tbilisi	Chronic Bacterial Sinusitis(CBS) and Phage Therapy Perspective	G. Eliava Institute of Bacteriophage, microbiology and virology	\$250,000							US:2 Canada:2 EU:2
5655	GE	Tbilisi	Investigation of Frozen Organic Matter as Analogue of the Cosmic Ice	THE SCHOOL OF GRADUATE STUDIES OF ILLIA STATE UNIVERSITY	\$298,305							US:2 Canada:2 EU:2
5691	AZ	Baku	The correlation of the Pleistocene's Caspian Basin and the Central Atlantic according to paleomagnetic data	Institute of Geology	\$114,600							US:2 Canada:2 EU:2
5702	AZ	Baku	Methods of working out the dyes for chemical, physical corrosion resistant covers based on nanocomposites	Research Institute of Aerospace Information	\$133,920							US:2 Canada:2 EU:2
5704	AZ	Baku	Assessment of erosion processes on routes laying pipelines by aerospace monitoring data and field research	Scientific Research Institute "Geotechnological Problems of Oil, Gas and Chemistry	\$86,412							US:2 Canada:2 EU:2
5707	UA	Kyiv	Developing and full-scale production preparing of distributed smart biosensors with radio-channel for precision farming	V.M. Glushkov Institute of Cybernetics	\$70,000							US:2 Canada:2 EU:2
5708	UA	Kyiv	Development of modern information technologies for maintenance and predicting of catastrophic situations in bioly	V.M. Glushkov Institute of Cybernetics	\$70,000							US:2 Canada:2 EU:2
5712	UA	Kyiv	Development of silicon amorphous crystalline nanocomposites with controlled band gap for thin film solar cells of roll and cascade types	Institute of Physics	\$70,000							US:2 Canada:2 EU:2
5717	UA	Kyiv	Development of superconducting thin film technology for advanced satellite instrumentations (including gravimeters and accelerometers)	Space Research Institute under NAS and National Space Agency	\$70,000							US:2 Canada:2 EU:2
5718	UA	Kyiv	Design and study of composite biofunctional iron-based nanomaterials for medical application	G.V. Kurdyumov Institute for Metal Physics	\$70,000							US:2 Canada:2 EU:2
5720	UA	Kharkiv	Effects of insoluble components on hydrogen storage and desorption from Mg-Cu composites obtained by ion mixing method	National Science Center "Kharkiv Institute of Physics and Technology"	\$70,000							US:2 Canada:2 EU:2
5723	UA	Kharkiv	Creating technologies for energy-effective and environmentally safe biomass and waste usage for producing composite fuels	A.M. Pidhorny Institute of Mechanical Engineering Problems	\$70,000							US:2 Canada:2 EU:2
5724	UA	Kharkiv	Development of Energy Saving Ecologically Clean Technology for Solid Fuel Production from Waste	National Science Center "Kharkiv Institute of Physics and Technology"	\$70,000							US:2 Canada:2 EU:2

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5727	UA	Chernivtsy	Development of thermoelectric generator installation utilizing the exhaust gas heat of gas pumping units	Institute of Thermoelectricity under NAS and MES of Ukraine	\$70,000							US:2 Canada:2 EU:2
5730	UA	Kyiv	From genotype to phenotype: preeclampsia	Institute of Molecular Biology and Genetics	\$70,000							US:2 Canada:2 EU:2
5731	UA	Kyiv	Hydrogen producers identification from microalgal collection by gene expression analysis of hydrogen biosynthesis key enzymes	Institute of Food Biotechnology and Genomics	\$70,000							US:2 Canada:2 EU:2
5734	GE	Tbilisi	Development of Effective Technology for Reduction of Pollution of Explosives Testing Objects and Shooting Range	LEPL - State scientific-technical center "DELTA"	\$220,432							US:2 Canada:2 EU:2
5736	UA	Kharkiv	Green Technology Electrochemical System Based on Carbon Nanomaterials for Water Treatment and Decontamination	Kharkiv State Technical University of Radioelectronics	\$229,257							US:2 Canada:2 EU:2
5742	UA	Kharkiv	Scientific fundamentals and technology for emergency damage forecasting and safe operation control in power engineering	A.M. Pidhorny Institute of Mechanical Engineering Problems	\$169,449							US:2 Canada:2 EU:2
5743	UA	Kijiv	Fatigue Sensor for Aircraft Structural Health Monitoring	National Aviation University	\$144,780							US:2 Canada:2 EU:2
5748	AZ	Baku	Development of mini – accumulator based on 1D nanorods in topological insulators	Institute of Radiation Problems	\$99,984							US:1 Canada:2 EU:1
5751	GE	Tbilisi	Development of Methods Modification and Forming of Surface Friction Pairs Ti/Chirulen for Hip Joint	Georgian Technical University	\$289,207							US:2 Canada:2 EU:2
5752	AZ	Baku	Sucking wreckers (Coccoidea, Aphidoidea, Aleurodidea) and them entomophagous, influence of anthropogenic factors on them	Institute of Zoology, Azerbaijan National Academy of Sciences	\$281,154							US:2 Canada:2 EU:2
5753	AZ	Baku	Comparative studying ladybirds (Coleoptera, Coccinellidae) Azerbaijan, possibility of their use in biological struggle	Institute of Zoology, Azerbaijan National Academy of Sciences	\$288,712							US:1 Canada:2 EU:1
5758	UA	Dnipropetrovsk	ALL- MODE AUTOMATED BALANCING DEVICE OF NEW GENERATION (ARD)	State Public Enterprise "M.K.Yangel Design Office "Pivdenne"	\$104,841							US:2 Canada:2 EU:2
5761	UA	Kyiv	PERSPECTIVE FUNCTIONAL MATERIALS AND MEDICAL SETTING FACILITIES ON THEIR BASE	Institute for Bioorganic Chemistry and Petrochemistry	\$217,546							US:2 Canada:2 EU:2
5771	GE	Tbilisi	New trends for bioagent use in Agriculture and Forestry	Agricultural University of Georgia	\$230,538							US:2 Canada:2 EU:2

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5813	AZ	Baku	Composing GIS maps of seismic hazards of Baku city based on empirical and instrumental investigations	Geology Institute of National Academy of Sciences of Azerbaijan	\$49,994							US:2 Canada:2 EU:2
5814	AZ	Baku	Influence of oil pollution on entomofauna in the forests of the north eastern Azerbaijan	Institute of Zoology ANAS	\$100,000							US:2 Canada:2 EU:2
5815	AZ	Baku	Production technology development of plant soucsed biochemical substances of radioprotector and antimutagenic agents	Institute of Radiation Problems Azerbaijan National Academy of Sciences	\$94,080							US:2 Canada:2 EU:2
5816	AZ	Baku	Obtaining of Cd1-xMnxTe nanofilms and study of their potential applications in x- and gamma ray detection	Institute of Radiation Problems	\$99,980			€ 77,133			€ 77133	US:2 Canada:2 EU:5
5817	AZ	Baku	Cleaning Heavy Metal Contaminated Soils	Institute of Chemistry of Additives	\$99,988							US:1 Canada:2 EU:1
5818	AZ	Baku	Development of tunable THs-TDS source based on layered GaSe, GaS and InSe for stand-off explosive sensing	Institute of Radiation Problems Azerbaijan National Academy of Sciences	\$99,230							US:2 Canada:2 EU:2
5821	AZ	Baku	Development of liquid-crystalline nano-colloids for nonlinear optics	Institute of Physics	\$100,000							US:1 Canada:2 EU:1
5845	MD	Chisinau	Developing of Pest Management System for Organic Grape Production	The Institute of Plant Protection and Ecological Agriculture	\$50,000			€ 38,574			€ 38574	US:2 Canada:2 EU:5
5848	AZ	Sumgait	Creation of new heat-resistant and high strong polymeric material	Institute of Polymer Materials	\$130,000							US:2 Canada:2 EU:2
5850	AZ	Baku	Development of biotechnology raising self-remediation ability of coast line of Caspian sea of Azerbaijani port	Institute of Microbiology	\$98,992							US:2 Canada:2 EU:2
5851	AZ	Baku	Development of bio-preparations and biotechnological method for clearing of oil-contaminated rags	Institute of Microbiology	\$98,270							US:2 Canada:2 EU:2
5852	AZ	Baku	ArcGIS database development of mud volcanoes of Azerbaijan	Geology Institute of ANAS	\$99,771							US:2 Canada:2 EU:2
5858	AZ	Baku	Aerospace monitoring providing of ecological safety of transporting oil and gas on main pipelines	Scientific Research Institute "Geotechnological Problems of Oil, Gas and Chemistry	\$164,154							US:2 Canada:2 EU:2
9901	UA	Kyiv	Establishing a Regional Nuclear Forensics Laboratory	Institute for Nuclear Research	€ 918,744			€ 918,744			€ 918744	US:2 Canada:2 EU:5
Subtotal Regular Projects Approved:					\$8,863,541 € 918744	\$0	\$0	€ 1,034,451	\$0		€ 1034451	

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See comments
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8. Review complete - to be considered at next GBM



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5584	MD	Chisinau	Optical, Transport and Structural Characterization of Cu ₂ ZnSnS ₄ Thin films for Environmentally Friendly Renewable Sources of Energy	Institute of Applied Physics	\$50,000							US:2 Canada:2 EU:2
5778	AZ	Baku	The modification of synthetic and natural polymers and obtaining on their basis of nanocomposites of 0-valent metals	Institute of Chemical Problems	\$99,976							US:2 Canada:2 EU:2
5781	AZ	Baku	Elaboration of the Opuntia plants role by bioremediation of the polluted territory of Absheron peninsula	Institute of Radiation Problems	\$99,988							US:2 Canada:2 EU:2
5782	AZ	Baku	Creation and studying of new high efficiency and early-ripening forms of silkworm by applying experimental autogenic	Institute of Genetic Resources (ANAS)	\$95,880	\$23,970		€ 18,493		\$23,970	\$ 23970 € 18493	US:5 Canada:2 EU:5
5783	AZ	Baku	DEVELOPMENT OF A NEW METHOD OF CONVERSION OF BIOMASS TO COMBUSTIBLE GASES	Special Design Engineering Office on complex treatment of mineral raw materials	\$100,000							US:2 Canada:2 EU:2
5784	AZ	Сумгаит	Obtaining of products of thin organic synthesis by electro-physical, microbiological and chemical methods	Institute of Polymer Materials	\$98,004			€ 37,804			€ 37804	US:2 Canada:2 EU:5
5785	AZ	Baku	Development of immune stimulated bio complex from mushrooms and herbs of Azerbaijan	Institute of Microbiology	\$100,000							US:2 Canada:2 EU:2
5786	AZ	Baku	Biotechnological potential of cave inhabiting microorganisms in Azerbaijan	Institute of Microbiology	\$100,000							US:2 Canada:2 EU:2
5787	AZ	Baku	Development of scientific bases for bio-preparation for clearing of Baku urban soils from oil pollution	Institute of Microbiology	\$98,212	\$49,106				\$49,106	\$ 49106	US:5 Canada:2 EU:2
5788	AZ	Baku	Biotechnological treatment of polluted water basins by using higher water plants	Institute of Radiation Problems	\$98,384							US:2 Canada:2 EU:2
5789	AZ	Baku	Seismotectonic Zoning of Azerbaijan Part of Greater Caucasus on the Basis of the New Data	The Republican Centre of Seismological Survey	\$99,992	\$49,996				\$49,996	\$ 49996	US:5 Canada:2 EU:2
5790	AZ	Baku	Study of petrophysical geoinformation by cluster analysis and neural networks	Institute of Geology	\$100,000			€ 38,574			€ 38574	US:2 Canada:2 EU:5
5791	AZ	Baku	Numerical models of the ultra deep petroleum systems in the South Caspian basin	Geology Institute	\$99,988							US:2 Canada:2 EU:2
5793	MD	Chisinau	Modeling of Highly Anisotropic Molecule-Based Magnetic Materials Promising for	Institute of Applied Physics	\$50,000							US:2 Canada:2 EU:2
5794	MD	Chisinau	Creation of Origanum vulgare new genotypes and control of biodiversity by RAPD method	Institute of Genetics and Plant Physiology	\$50,000							US:2 Canada:2 EU:2

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5795	MD	Chisinau	"NEW ENERGY SOURCES: MICROHIDROSTATION FOR CONVERSION OF RENEWABLE WATER KINETIC ENERGY	Technical University of Moldova	\$49,521							US:2 Canada:2 EU:2
5800	MD	Chisinau	Nano-encapsulation of anti-TB drugs for targeted delivery	Institute of Chemistry of ASM	\$49,924			€ 19,258			€ 19258	US:2 Canada:2 EU:5
5801	MD	Chisinau	Elaboration of bioremediation technology for the remediation of complex polluted soils in Moldova	Institute of Microbiology and Biotechnology	\$50,000							US:2 Canada:2 EU:2
5802	MD	Chisinau	Comparative genotyping of some Moldavian grapevine cultivars	Institute of Genetics and Plant Physiology	\$50,000							US:2 Canada:2 EU:2
5805	MD	Chisinau	Preparation of new radioprotective pharmaceutical products by utilization of coordinative compounds and enolines	Institute of Microbiology and Biotechnology	\$48,850							US:2 Canada:2 EU:2
5806	MD	Chisinau	Evaluation of the drug Neamon-hepa capsules efficacy in hepatic encephalopathy	State Medical and Pharmaceutical University from Moldova "Nicolae Testemitanu"	\$50,000							US:2 Canada:2 EU:2
5807	MD	Chisinau	Instrumental support for complex applications porting to the regional HPC infrastructure	State University of Moldova	\$49,973			€ 19,277			€ 19277	US:2 Canada:2 EU:5
5809	MD	Chisinau	Preparation and Characterization of Two-dimensional Transition Metal Dichalcogenide Nanosheet Crystals Intercalated with Halogen Molecules	Institute of Applied Physics, Academy of Sciences of Moldova	\$49,989			€ 19,283			€ 19283	US:2 Canada:2 EU:5
5810	MD	Chisinau	Elaboration and implementation of GLP elements in research activity of Scientific Center of Drug Research	State Medical and Pharmaceutical University from Moldova "Nicolae Testemitanu"	\$50,000							US:2 Canada:2 EU:2
5823	MD	Chisinau	Application of Semiconductor Nanostructures for Tissue Regeneration Stimulation in Vivo	State Medical and Pharmaceutical University from Moldova "Nicolae Testemitanu"	\$49,776							US:2 Canada:2 EU:2
5824	MD	Chisinau	Elaboration of pyrometry temperature control system for metal casting processes	Gitsu D.V. Institute of Electronic Engineering and Nanotechnologies	\$49,502							US:2 Canada:2 EU:2
5825	MD	Chisinau	Cooperative and non-linear phonon phenomena in hybrid crystalline/amorphous nanostructures and biomedical applications	State University of Moldova	\$50,000							US:2 Canada:2 EU:2
5827	MD	Chisinau	Synthesis, antitubercule activity on molecular-biological level, of thiourea derivatives derived from 2-(2-phenylethyl) benzoic acid	State Medical and Pharmaceutical University from Moldova "Nicolae Testemitanu"	\$48,100							US:2 Canada:2 EU:2
5829	MD	Chisinau	Risk factors in the development of tuberculosis in the Republic of Moldova	The Laboratory of Microbiology and Morphology of tuberculosis at The Institute of Phthisiopneumology " Chiril D. Ciocaneli"	\$50,000							US:2 Canada:2 EU:2

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5831	MD	Chisinau	Substantial progress in thermoelasticity: a new theory producing a huge database of Green's functions	Institute of Mathematics and Computer Science	\$49,984							US:2 Canada:2 EU:2
5832	MD	Chisinau	"BIOCHEMICAL STIMULATION OF ANAEROBIC PROCESSES AND MULTI-FUNCTIONAL REACTOR DEVELOPMENT FOR MOLECULAR BIOHYDROGEN PRODUCTION"	The Research Center of Applied and Ecological Chemistry at Moldova State University	\$50,000			€ 19,287			€ 19287	US:2 Canada:2 EU:5
5833	MD	Chisinau	Nanostructures of metal oxides for applications in sensorial devices	Technical University of Moldova	\$49,999	\$12,500		€ 9,643		\$12,500	\$ 12500 € 9643	US:5 Canada:2 EU:5
5834	MD	Chisinau	Genetic screening in pregnant women aged 35 years or older, algorithm and prenatal health assessment	National Centre of Reproductive Health and Medical Genetics	\$48,846							US:2 Canada:2 EU:2
5839	MD	Chisinau	Design and directed synthesis of new molecules as inhibitors of cancer cells proliferation	State University of Moldova	\$50,000							US:2 Canada:2 EU:2
5844	MD	Chisinau	Elaboration of the cataloged information resource "Soil and aerophilic algae of Moldova"	State University of Moldova	\$49,999							US:2 Canada:2 EU:2
5854	MD	Chisinau	Priority Systems with semi-Markov Switching and Control on Complex Networks	Institute of Mathematics and Computer Science	\$49,998	\$25,000				\$25,000	\$ 25000	US:5 Canada:2 EU:2
5860	MD	Chisinau	Crystal engineering of novel multiple component drugs with improved pharmaceutical profile	Institute of Applied Physics, Academy of Sciences of Moldova	\$49,998							US:2 Canada:2 EU:2
5861	MD	Chisinau	Adaptive peculiarities of some ecological groups of terrestrial vertebrates in agricultural landscape	Institute of Zoology	\$49,928							US:2 Canada:2 EU:2
Subtotal Targeted R&D Init. Projects Approved:					\$2,484,811	\$160,572	\$0	€ 181,619	\$0	\$160,572	\$ 160572 €181619	
P003N	UA	Kyiv	Scientific Protocol of the Study of Leukemia and Other Hematologic Disorders Among Clean-up Workers of Ukraine Following the Chernobyl Accident	Research Center for Radiation Medicine (RCRM)	\$157,626	\$157,626				\$157,626	\$ 157626	US: Canada: EU:
P269b	UA	Kharkiv	Experimental Evaluation of a Two-Phase Mechanically Pumped Loop Prototype as a Thermal Control Loop (prolongation)	(N.Ye. Zhukovskiy) National Aerospace University "Kharkiv Aviation Institute"	€ 79,989			€ 79,989			€ 79989	US: Canada: EU:
P403	UA	Dnipropetrovsk	Development of identification apparatus on basis of scanner of fingertip sweat glands location	State Public Enterprise "M.K.Yangel Design Office "Pivdenne"	\$450,002	\$450,002				\$450,002	\$ 450002	US: Canada: EU:
P407	UA	Odessa	Purposeful Search and Structural Drug Design of New Anti-Influenza Agents Based on QSAR Hierarchic System Using Modern Computer Technologies	Ukrainian I. I. Mechnikov Anti-Plague Research Institute	\$450,000	\$450,000				\$450,000	\$ 450000	US: Canada: EU:

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#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
P427	UA	Kyiv	Design of the TiNi-based shape memory alloy with enhanced functional properties	G.V. Kurdyumov Institute for Metal Physics	\$60,000	\$60,000				\$60,000	\$ 60000	US: Canada: EU:
P444a	UA	Kharkiv	Monitoring of Avian influenza, Newcastle disease, Paramyxoviruses among wild birds from Azov, Black Sea region	Institute of Experimental and Clinical Veterinary Medicine	\$200,000	\$200,000				\$200,000	\$ 200000	US: Canada: EU:
P450	GE	Tbilisi	Screening of anti-virus activity of indol-containing tetracyclic condensed systems for application in veterinary medicine	G. Eliava Institute of Bacteriophage, microbiology and virology	\$480,000	\$480,000				\$480,000	\$ 480000	US: Canada: EU:
P457a	UA	Kyiv	Investigation of alloying effect on structure, mechanical properties and oxidation resistance of Ti-Si alloys	I.M. Frantsevich Institute of Problems of Materials Science	\$62,000	\$62,000				\$62,000	\$ 62000	US: Canada: EU:
P466	GE	Tbilisi	Radiation Modified Ion-Implanted Materials	I. Vekua Sukhumi Institute of Physics and Technology	\$476,031	\$476,031				\$476,031	\$ 476031	US: Canada: EU:
P475	UA	Kyiv	Total Internal Reflection Ultrasonic Sensor for detection of subsurface flaws: research into underlying physics	Kyiv Taras Shevchenko University	\$80,000	\$80,000				\$80,000	\$ 80000	US: Canada: EU:
P497	UA	Kharkiv	Portable neutron generator for medical application	"Accelerator" Research and Development Complex at the National Science Center "Kharkiv Institute for Physics and Technology"	\$490,000	\$490,000				\$490,000	\$ 490000	US: Canada: EU:
P521	UA	Kyiv	Theoretical Modeling of Liquid Crystal Based Tunable Metamaterials	Kyiv Taras Shevchenko University	\$106,319	\$106,319				\$106,319	\$ 106319	US: Canada: EU:
P522	UA	Kharkiv	Multi-bunch Dielectric Wakefield Accelerator	National Science Center "Kharkiv Institute of Physics and Technology"	\$490,000	\$490,000				\$490,000	\$ 490000	US: Canada: EU:
P538	GE	Tbilisi	Novel Heat Resistant Coatings for Industrial Applications	Iv.Javakhishvili Tbilisi State University, Andronikashvili Institute of Physics	\$260,000	\$260,000				\$260,000	\$ 260000	US: Canada: EU:
P540	UA	Kyiv	Cognitive and Cerebrovascular Effects Induced by Low Dose Ionising Radiation	Research Center for Radiation Medicine	€ 100,002			€ 100,002			€ 100002	US: Canada: EU:
P546	UA	Kharkiv	Organization of plasma technology department at Partner enterprise	National Science Center "Kharkiv Institute of Physics and Technology"	\$30,000				\$30,000	\$30,000	\$ 30000	US: Canada: EU:
P547	UA	Kharkiv	Advanced Boronbond shields for nuclear materials containment and Boronbond immobilization of volatile fission products	National Science Center "Kharkiv Institute of Physics and Technology"	\$490,000	\$490,000				\$490,000	\$ 490000	US: Canada: EU:
P548	UA	Kharkiv	Fluorescent Probes and Labels for Biomedical Applications	State Scientific Institution "Institute for Single Crystals"	\$120,960	\$120,960				\$120,960	\$ 120960	US: Canada: EU:
P549	GE	Tbilisi	An energetically effective, technically simple and stable-acting plasma-arc furnace having power-supply with a rectangular characteristics	Tbilisi I. Javakhishvili State University	\$480,000	\$480,000				\$480,000	\$ 480000	US: Canada: EU:

1. Review Incomplete
2. Review Complete - No willingness to fund
3. Rewrite / resubmit - see comments
4. Same as 3

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table 35th Governing Board Meeting 30 November 2012

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
P550	UA	Kharkiv	Heterodyne Interferometer With Digital Signal Processing	O.Ya. Usikov institute of Radiophysics and Electronics	€ 37,496			€ 37,496			€ 37496	US: Canada: EU:
P554	UA	Kharkiv	Technology optimization for production of bioabsorbable and biocompatible materials and devices for medical applications	National Science Center "Kharkiv Institute of Physics and Technology"	\$572,853				\$572,853	\$572,853	\$ 572853	US: Canada: EU:
P560	GE	Tbilisi	Targets for High Temperature Superconducting Films (LBNL-T2-0235.GE)	I. Vekua Sukhumi Institute of Physics and Technology	\$135,000	\$135,000				\$135,000	\$ 135000	US: Canada: EU:
P562	UA	Lviv	Development of Environmentally Friendly Foaming Agent for Fires Extinguishing	Lviv Department of Physical-Chemistry of Institute for Physical-Organic Chemistry and Coal Chemistry, NAS Ukraine	€ 44,064			€ 44,064			€ 44064	US: Canada: EU:
P565	UA	Kharkiv	Deposition of diamond coatings on low temperature co-fired ceramic (LTCC) samples with dimensions 25x25 mm ²	National Science Center "Kharkiv Institute of Physics and Technology"	\$95,000	\$95,000				\$95,000	\$ 95000	US: Canada: EU:
P568	UA	Kharkiv	Development of vaccines against Newcastle Disease using recombinant DNA technology	Institute of Experimental and Clinical Veterinary Medicine	\$300,000	\$300,000				\$300,000	\$ 300000	US: Canada: EU:
P572	UA	Kharkiv	Refinement of scintillator's quality by improvement of raw materials quality and growth technology	Amcrys Ltd.	\$1,241,562				\$1,241,562	\$1,241,562	\$ 1241562	US: Canada: EU:
Subtotal Partner Projects Approved:					\$7,227,353 € 261,551	\$5,382,938	\$0	€ 261,551	\$1,844,415	\$7,227,353	\$ 7227353 € 261551	
TOTAL:					\$19,282,973 € 1,180,295	\$5,543,510	\$0	€ 1,477,621	\$1,844,415	\$7,387,925	\$ 7387925 € 1477621	

Comments: 9901 - Subject to approval of the inception report and/or the identification of the trainer


Mr. P. Doliff*
Acting USA
Board Member


H.E. Mr. T. Lulashnyk*
Acting Canadian
Board Member


Mr. B. Grinyov*
Ukrainian
Board Member


Mr. S. Popa*
Acting EU
Board Member

* Commitment conditional upon availability of funds

1. Review Incomplete
2. Review Complete - No willingness to fund
3. Rewrite / resubmit - see comments
4. Same as 3

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A
8. Review complete - to be considered at next GBM

STCU Supplemental Budgets 35th Governing Board Meeting 30 November, 2012

#	Full Title	USA (US \$)	Canada (US \$)	European Union (EURO)	Partner (US \$)	Partner (EURO)	Total Funding (US \$)	Total Funding (EURO)	Total Funding (US \$ + EURO)
Supplemental Budget:									
Activity:									
01	Technical, Collaborator, and Contractor Travel Support (Project Related)	-	-	€25,000	-	-	-	€25,000	\$ - €25000
04	Business Training/Sustainability Support	\$93,000	-	-	\$527,000	-	\$620,000	-	\$ 620000 €-
05	Patent Support	-	-	€5,000	-	-	-	€5,000	\$ - €5000
06	Travel and Mobility Support	-	-	€27,500	\$226,000	€1,857	\$226,000	€29,357	\$ 226000 €29357
08	Expert Review and Advisors	-	-	€25,000	-	-	-	€25,000	\$ - €25000
09	Seminars/Workshops Support	-	-	€2,500	-	-	-	€2,500	\$ - €2500
10	Service Contracts	\$421,500	-	€225,000	\$210,000	-	\$631,500	€225,000	\$ 631500 €225000
16	Partner Promotion & Support - EU	-	-	€150,000	-	-	-	€150,000	\$ - €150000
Total Supplemental Budget:		\$514,500	\$0	€460,000	\$963,000	€1,857	\$1,477,500	€461,857	\$ 1477500 €461857



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