

# STCU Funding Table

## 43rd Governing Board

### 7 December 2016



#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
9910	IQ	Mosul	Procurement and freight of AFFF 3% fire-fighting foam to Mosul, Iraq to help extinguish dangerous Sulphur fires		\$2,558,688	\$2,558,688			\$2,558,688	\$2558688 0	US:5 EU:2
<b>Subtotal Projects Approved:</b>					<b>\$2,558,688</b>	<b>\$2,558,688</b>	<b>€ 0</b>	<b>\$0</b>	<b>\$2,558,688</b>	<b>\$ 2558688 0</b>	
6173	UA	Kyiv	Ionic-plasma treatment of nano-structural materials to modify their functional properties	V. N. Bakul Institute for Superhard Materials	\$100,000						US:1 EU:2
6184	UA	Kharkiv	Gamma-Radiation Detector Based on High-Pressure Xenon	National Science Center "Kharkiv Institute of Physics and Technology"	\$100,000	-\$50,000	€ 45,779		-\$50,000	\$ -50000 € 45779	US:5 EU:5
6219	MD	Chisinau	Optical and Magnetic Molecular Switches: Prospects for Practical Applications	Institute of Applied Physics	\$50,000						US:1 EU:1
6220	MD	Chisinau	Finite-Velocity Diffusion Processes and Their Applications to Modelling the Spread of Pollution from Stationary Source	Institute Mathematics and Computer Science	\$50,000						US:1 EU:1
6221	MD	Chisinau	Practical applications of quasigroups in cryptology	Institute of Mathematics and Computer Science	\$49,984						US:1 EU:1
6222	MD	Chisinau	Three-dimensional hierarchical hybrid nanoarchitectures based on graphitic aerogels and nanocrystalline semiconductor compounds for multifunctional applications	Technical University of Moldova	\$50,000						US:1 EU:1
6223	MD	Chisinau	Advanced Econophysical Analysis for Optimization Transition to Sustainable Energy Development - Elaboration of Main Components	University of Academy of Sciences of Moldova	\$50,000						US:1 EU:1
6224	MD	Chisinau	Physical and Photoelectrocatalytic Properties of (Ag,Cu) <sub>2</sub> ZnSn(S,Se) <sub>4</sub> for Environmental Friendly Photovoltaic and Photoelectrocatalytic Devices	Institute of Applied Physics	\$50,000						US:1 EU:1
6225	MD	Chisinau	Molecular monitoring of the most important fungal and bacterial diseases in apple orchards of Moldova	Institute of Genetics, Physiology and Plant Protection	\$49,994						US:1 EU:1
6226	MD	Chisinau	"MODIFIED ANAEROBIC PROCESS OF CO <sub>2</sub> BIOCONVERSION, PRODUCTION OF HIGH-CALORIC BIOMETHANE AND VITAMINIZED FORAGE ADDITIVE"	Research Center of Applied and Ecological Chemistry, Moldova State University State University of Moldova	\$50,000						US:1 EU:1
6227	MD	Chisinau	Doped Dirac semimetal Cd <sub>3</sub> As <sub>2</sub> as material for spintronic	Institute of Applied Physics, Academy of Sciences of Moldova	\$49,990						US:1 EU:1
6228	MD	Chisinau	Fiber Optic Perimeter Intrusion Monitoring System	Institute of Applied Physics	\$48,989						US:1 EU:1

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

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6229	MD	Chisinau	The localized synthesis and integration of semiconducting oxide nanostructures for gas and biomedical-sensing applications	Technical University of Moldova	\$50,000						US:1 EU:1
6230	MD	Chisinau	The development of nanoscale semiconductor composites (CdS, PbS) carriers for optical registration in infrared range	State University of Moldova	\$50,000						US:1 EU:1
6231	MD	Chisinau	Medium-Power and High-Power Converters and Electric Drives with Synchronized Modulation for Transportation, Renewables, and Transmission	Institute of Power Engineering of the Academy of Sciences of Moldova	\$50,000						US:1 EU:1
6232	MD	Chisinau	High performance blue and violet InGaN lasers	Technical University of Moldova	\$49,992						US:1 EU:1
6233	MD	Chisinau	Development and application of agroecological approaches in sustainable insect pest management for healthy tomato production	Institute of Zoology	\$50,000						US:1 EU:1
6234	MD	Chisinau	Identifying the most suitable form of vitamin B12 for production and medical administration	Institute of Chemistry of the Academy of Sciences of Moldova	\$50,000						US:1 EU:1
6238	MD	Chisinau	Digitization of old printed texts: a technology of free access to the cultural heritage	Institute of Mathematics and Computer Science	\$49,984						US:1 EU:1
6239	MD	Chisinau	Ultrasonic technology and installation for presowing treatment of seeds increasing their quality and yield	Institute of Applied Physics	\$49,995						US:1 EU:1
6244	MD	Chisinau	Frequency converter for interconnection of asynchronous power systems	Institute of Power Engineering of the Academy of Sciences of Moldova	\$49,952						US:1 EU:1
6245	MD	Chisinau	Innovative multicomponent nano-scale pharmaceutical solids containing hexamminecobalt(III) with antiviral and antibacterial properties	Institute of Chemistry of ASM	\$50,000						US:1 EU:1
6246	MD	Chisinau	Optimization of thermal properties of graphene-based materials for efficient thermal management and heat-spreader applications	State University of Moldova	\$50,000						US:1 EU:1
6247	UA	Lviv	Object-oriented computational models-software for prediction of elastic and phononic properties of three-dimensional nanocomposites and metamaterials	Ya.S. Pidstryhach Institute for Applied Problems of Mechanics and Mathematics	\$100,000						US:1 EU:1
6248	UA	Kijiv	Development and preparation for implementation of wireless sensor networks for environmental monitoring on large territories	V.M. Glushkov Institute of Cybernetics	\$100,000						US:1 EU:1

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6249	UA	Kijiv	Synergetic enhancement of laser radiation frequency conversion efficiency in KDP crystals with incorporated metaloxide nanoparticles	Institute of Physics, NAS of Ukraine	\$99,000						US:1 EU:1
6250	UA	Kyiv	Hybrid Josephson junctions for novel components of superconducting supercomputers for telecommunications and environmental monitoring	G.V. Kurdyumov Institute for Metal Physics	\$99,988						US:1 EU:1
6251	UA	Kharkiv	LED reflectometer based upon Low Coherence Interferometry for Metrological Maintenance of Fiber Optic Communication Lines	O.Ya. Usikov Institute of Radiophysics and Electronics	\$99,998						US:1 EU:1
6252	UA	Kyiv	Advanced Gallium-Nitride Quantum Heterostructures for High-Power Nanoelectronics and Optoelectronics	V.E. Lashkaryov Institute of Semiconductor Physics	\$100,000						US:1 EU:1
6253	UA	Kharkiv	Cheap high-efficiency solar energy converters based on nanoheterostructures of organic-inorganic halide perovskite/organic dye	V.I. Vernadsky Institute of General and Inorganic Chemistry	\$100,000						US:1 EU:1
6254	UA	Mykolaiv	High energy synthesis of multifunctional nanomaterials based on Al, Ti and Mg	Institute of Pulse processes and technologies of NAS of Ukraine	\$100,000						US:1 EU:1
6255	UA	Kyiv	Development of Mn-based permanent magnets	G.V. Kurdyumov Institute for Metal Physics	\$100,000						US:1 EU:1
6256	UA	Kijiv	Novel functional nanomaterials to improve chemotherapy effectiveness	Institute of Physics, NAS of Ukraine	\$95,588						US:1 EU:1
6257	UA	Kijiv	Technology of biomolecular recognition of aflatoxin B1 using nanostructured composite plasmonic membranes	Institute of Molecular Biology and Genetics of National Academy of Sciences of Ukraine	\$99,906						US:1 EU:1
6258	UA	Kijiv	Multitarget drug discovery to overcome antibiotic resistance in Mycobacterium tuberculosis	Institute of Molecular Biology and Genetics of National Academy of Sciences of Ukraine	\$100,000						US:1 EU:1
6259	UA	Kyiv	Synthesis and validation of nanoparticles directly targeting cancer cells as a novel approach in biotechnology	O.O.Chujko Institute of Surface Chemistry	\$99,969						US:1 EU:1
6260	UA	Kyiv	Development of biotechnology approaches in multipotent stem cell application for treatment of endothelial dysfunction	Bogomoletz Institute of Physiology of the Ukrainian National Academy of Sciences	\$98,904						US:1 EU:1
6261	UA	Kijiv	Direct cardiogenic reprogramming of fibroblasts as promising strategy for therapy of injured heart	Institute of Molecular Biology and Genetics of National Academy of Sciences of Ukraine	\$100,000						US:1 EU:1
6262	UA	Kyiv	Development of technology for three-dimensional culture of multipotent cells to regenerate tissue after ischemic injury	Center of molecular and cell research of National University of Kyiv-Mohyla Academy	\$98,055						US:1 EU:1

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6263	UA	Ivano-Frankivsk	Multifunctional nanocomposite materials based on carbon and quasi-two-dimensional MoS2 or WS2	Vasyl Stefanyk Precarpathian National University	\$100,000						US:1 EU:1
6264	UA	Kyiv	Novel Gold-Polymer-Photosensitizer Nanosystems for Photodynamic Therapy	Taras Shevchenko National University of Kyiv	\$99,988						US:1 EU:1
6265	UA	Uzhgorod	Development of technology of heterophase composites based on proustite/pyrargyrite crystals and chalcogenide glass matrices	Uzhgorod State University	\$99,500						US:1 EU:1
6266	UA	Kharkiv	A database for Kharkiv incoherent scatter radar	Institute of Ionosphere under NAS and MES of Ukraine	\$99,840						US:1 EU:1
6267	UA	Kyiv	Promotion of Existing Technology Transfer Management Program to Ukrainian Universities	National Technical University of Ukraine "Kyiv Polytechnical Institute"	\$50,000						US:1 EU:1
6268	UA	Sumy	Development and application to production of the software-hardware trainer-simulator "Computer artillery range"	Sumy State University	\$99,934						US:1 EU:1
6269	UA	Lviv	Development of tools for OSL dosimetry of ionizing radiation based on YAP:Mn crystals	Lviv Polytechnic National University	\$100,000						US:1 EU:1
6270	UA	Kharkiv	Techniques of effective use of an intensive electron beam for radionuclides production	V.N. Karazin Kharkiv National University	\$99,996						US:1 EU:1
6271	UA	Kharkiv	Investigation of electromagnetic field patterns in torsatron Uragan-2M for optimization of fusion devices	V.N. Karazin Kharkiv National University	\$100,000						US:1 EU:1
6272	UA	Lviv	Graphene-based sensors for the magnetic diagnostics in the fusion reactors radiation environment	Lviv Polytechnic National University	\$100,000						US:1 EU:1
6273	UA	Lviv	Composite scintillation materials for registration of low-energy gamma rays and neutrons	Lviv Polytechnic National University	\$100,000						US:1 EU:1
6274	UA	Ivano-Frankivsk	NANOPARTICLES FOR DIABETES TREATMENT	V. Stefanyk Precarpathian University	\$98,000						US:1 EU:1
6275	UA	Dnipropetrovsk	ELABORATION OF A FUNCTIONAL NUTRITIONAL PRODUCT WITH ANTIDIABETIC ACTION	I.Ya. Franko National University of Lviv	\$98,796						US:1 EU:1
6276	UA	Lviv	Novel seleno-tellurium glassy-like media for advanced biomedical sensors	Vlokh Institute of Physical Optics Ministry of Education and Science of Ukraine	\$99,942						US:1 EU:1
6277	MD	Chisinau	Magnetic cluster compounds AB4X8 with lacunar spinel structure for novel spintronics application	Institute of Applied Physics	\$49,998						US:1 EU:1
6278	AZ	Baku	Molecular identification of plant diseases infected Homoptera, the influence of anthropogenic factors on their entomophages	Institute of Zoology	\$100,000						US:1 EU:1
6279	AZ	Baku	Elaboration of the aggressively-resistant and hermetic polymeric materials with thermo-radiation method	Institute of Radiation Problems	\$50,000						US:1 EU:1

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6280	AZ	Baku	DEVELOPMENT OF EFFECTIVE SOLAR CELLS BASED ON LIQUID CRYSTAL LINE SYSTEMS	Institute of Physics	\$100,000						US:1 EU:1
6281	AZ	Baku	Comparative study of genetic polymorphism and hordein-coding loci in wild and cultivated barley	Institute of Genetic Resources (ANAS)	\$50,000						US:1 EU:1
6282	AZ	Baku	Synthesis and study radioprotective properties of complexes tryptophan with some biogenic metals	Institute of Catalysis and Inorganic Chemistry named after Academician M.F.Nagiyev	\$50,000						US:1 EU:1
6283	AZ	Baku	Developing new bacterial bio-preparation, improving soil fertility, plant productivity and having pesticide properties	Institute of Chemistry of Additives	\$100,000						US:1 EU:1
6284	AZ	Baku	Studying of risks occurred due to influence of current geodynamic processes in the geological medium	Institute of Geology	\$100,000						US:1 EU:1
6285	AZ	Baku	Development of methods for refinement of results analysis of the biological objects obtained in modern mass spectrometers	Institute of Physics	\$99,898						US:1 EU:1
6286	AZ	Baku	Forced differentiation of stem cells of malignant tumors	A.I.Karaev Institute of Physiology	\$100,000						US:1 EU:1
6287	AZ	Baku	Gas-hydrates of the South Caspian Oil&Gas Basin: Studying of Conditions of thermobaric stability and geohazards	Oil and Gas Institute	\$100,000						US:1 EU:1
6288	AZ	Baku	Optimization structure-properties of Cd(TM)Te thin films for creation gamma- and x-ray detectors on their base	Science and Technology Park	\$100,000						US:1 EU:1
6289	AZ	Baku	Palaeoclimate and sea level of the Plio-Pleistocene time, South Caspian Basin	Acad. H. Aliyev Institute of Geography	\$50,150						US:1 EU:1
6290	AZ	Baku	INVESTIGATING BETA-THALASSAEMIA CAUSING MUTATIONS IN AZERBAIJAN POPULATION USING NEXT GENERATION SEQUENCING	Institute of Genetic Resources (ANAS)	\$99,150						US:1 EU:1
6291	AZ	Baku	Earthquake tectonics of Sangachal terminal, energy corridors (Azerbaijan): seismic hazard assessment of GPS deformations, faults	Geology and Geophysics Institute	\$100,000						US:1 EU:1
6292	AZ	Baku	Effectiveness improvement of the oil-gas content prediction by deep seismic analysis within Absheron petroleum province	The Republican Centre of Seismological Survey	\$99,864						US:1 EU:1
6293	AZ	Baku	The study of natural resources and recreational opportunities of lake Gala	Institute of Radiation Problems	\$100,000						US:1 EU:1
6294	AZ	Baku	Study of optimal parameters of sterilization with ionizing radiation of plant products grown in Azerbaijan	Institute of Radiation Problems	\$99,996						US:1 EU:1

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6295	AZ	Baku	Using machine-learning algorithms to recognize novel transposable genetic elements	Institute of Genetic Resources (ANAS)	\$99,716						US:1 EU:1
6296	AZ	Baku	Creation of new silkworm breeds and hybrids, characterized with high biological, reproductive, technological, productive traits	Institute of Genetic Resources (ANAS)	\$99,896						US:1 EU:1
6297	GE	Tbilisi	Planning of facilities location and goods transportation in extreme situations	Tbilisi I. Javakhishvili State University	\$70,000						US:1 EU:1
6298	GE	Tbilisi	New biodegradable cationic polymers composed of arginine and spermine-versatile biomaterials for various biomedical applications	Agricultural University of Georgia	\$69,989						US:1 EU:1
6299	GE	Tbilisi	A new polarimetric method of objects recognition for monocular system of machine vision	Georgian Technical University	\$70,000						US:1 EU:1
6300	GE	Tbilisi	Gates for quantum computing induced from geometric phase and monodromy based on three level system	Georgian Technical University	\$70,000						US:1 EU:1
6301	GE	Tbilisi	Fluorine Containing Solid Polymer Electrolyte Membranes for Energy Storage Devices	Tbilisi I. Javakhishvili State University	\$70,000						US:1 EU:1
6302	GE	Tbilisi	Determination of reacting phases optimal matching to fabricate new composites by Self-propagating High-temperature Synthesis technology	F. Tavazde Institute of Metallurgy and Material Sciences	\$69,920						US:1 EU:1
6303	GE	Tbilisi	Realization of Logic Gates in Photonic Crystal and Multiferroic Guiding Nanostructures	Tbilisi I. Javakhishvili State University	\$70,000						US:1 EU:1
6304	GE	Tbilisi	Development of Quick Response Strategy Against Chemical Pollution of Soils by Using Biochips and Biosorbents	LEPL. Ilia Vekua Sukhumi Institute of Biochemistry and Biotechnology	\$70,000						US:1 EU:1
6305	GE	Tbilisi	Development of B4C-TiB2 nanocomposite-based structural ceramic materials	F. Tavazde Institute of Metallurgy and Material Sciences	\$69,800						US:1 EU:1
6306	GE	Tbilisi	DNA diagnostic technology for identification of GM crops	I. Beritashvili Institute of Physiology	\$69,978						US:1 EU:1
6307	GE	Tbilisi	Investigation of the Coexistence of Magnetism and Superconductivity in Hybrid Ruthenates	LEPL. Ilia Vekua Sukhumi Institute of Physics and Technology	\$69,991						US:1 EU:1
6308	GE	Tbilisi	Breast Cancer Associated Epigenetic Profile in Georgian Population	Tbilisi State Medical University	\$56,454						US:1 EU:1
6309	GE	Tbilisi	Biodegradable polymers synthesis and application in environment protection from pollution	Tbilisi I. Javakhishvili State University	\$70,000						US:1 EU:1

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6310	GE	Tbilisi	Selection of entomopathogenic nematodes strains for potential commercial application in biological plant protection	Agricultural University of Georgia, L. Kanchaveli Institute of Plant Protection	\$70,000						US:1 EU:1
6311	GE	Tbilisi	Monitoring of Campylobacter distribution in poultry and bacteriophage as a prospective approach to combat Campylobacter	G. Eliava Institute of Bacteriophage, microbiology and virology	\$64,000						US:1 EU:1
6312	GE	Tbilisi	Experimental Study of Whole Body Hyperthermia Clinical Use Risks and Benefits based on Hormesis Principles	I. Beritashvili Institute of Physiology	\$70,000						US:1 EU:1
6313	GE	Tbilisi	Producing of InAs and radiation-resistant InAs-III-V alloys comprising Uravi ore (Georgia) Arsenic	Tbilisi I. Javakhishvili State University	\$69,979						US:1 EU:1
6314	GE	Tbilisi	Study of the ability of lactic acid bacteria isolated in Georgia to absorb heavy metals	Ivane Javakhishvili Tbilisi State University, Andronikashvili Institute of Physics	\$70,000						US:1 EU:1
6315	GE	Tbilisi	Novel diazole/triazole and dibenzofuran containing tetracyclic systems with promising biological activities: synthesis and antimicrobial study	Georgian Technical University	\$70,000						US:1 EU:1
6316	GE	Tbilisi	Studying the Distribution of Metal Ions between Bacterial Fractions during Their Growth and Development	Tbilisi I. Javakhishvili State University	\$70,000						US:1 EU:1
6317	GE	Tbilisi	Fabrication of multiphase HTSC Bi-Pb-Sr-Ca-Cu-O system and its study by vibrating reed method	Ivane Javakhishvili Tbilisi State University, Andronikashvili Institute of Physics	\$69,994						US:1 EU:1
6318	GE	Tbilisi	Radon in schools and kindergartens	Ivane Javakhishvili Tbilisi State University, Andronikashvili Institute of Physics	\$70,000						US:1 EU:1
6319	GE	Tbilisi	Cumulative stimulated domain acoustic echo (DAE) phenomenon study and its application in processors and sensors	Tbilisi I. Javakhishvili State University	\$69,987						US:1 EU:1
6320	GE	Tbilisi	Nanoparticulate Drug Delivery Systems for Hypozotemic Bioflavonoid: a Novel management of Renal Failure	I. Kutateladze Institute of Pharmacochemistry, Georgian Academy of Sciences	\$69,980						US:1 EU:1
6321	GE	Tbilisi	Digital signature schemes in post-quantum era	Bank of Georgia University	\$69,783						US:1 EU:1
<b>Subtotal Targeted R&amp;D Init. Projects Approved:</b>					<b>\$7,664,807</b>	<b>-\$50,000</b>	<b>€ 45,779</b>	<b>\$0</b>	<b>-\$50,000</b>	<b>\$ -50000 45779</b>	
P003r	UA	Kyiv	Extension of the Pilot study on thyroid cancer in cleanup workers	Research Center for Radiation Medicine	\$260,000	\$260,000			\$260,000	\$ 260000	US: EU:
P003r1	UA	Kyiv	Extension of the Pilot study on thyroid cancer in cleanup workers	Research Center for Radiation Medicine	\$31,250	\$31,250			\$31,250	\$ 31250	US: EU:

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P004n1	UA	Kyiv	Study of thyroid cancer and other thyroid disorders in Ukraine following the Chernobyl accident: in utero irradiation	Institute of Endocrinology and Metabolism	\$32,414	\$32,414			\$32,414	\$ 32414	US: EU:
P004r	UA	Kyiv	Thyroid cancer and other thyroid disorders in Ukraine following the Chernobyl accident: the cohort maintenance	Institute of Endocrinology and Metabolism	\$113,400	\$113,400			\$113,400	\$ 113400	US: EU:
P004r1	UA	Kyiv	Thyroid cancer and other thyroid disorders in Ukraine following the Chernobyl accident: Full Genomic Characterization of Radiation-Related Thyroid Cancer	Institute of Endocrinology and Metabolism	\$57,750	\$57,750			\$57,750	\$ 57750	US: EU:
P269f	UA	Kharkiv	Experimental Evaluation of a Two-Phase Mechanically Pumped Loop Prototype as a Thermal Control Mean (prolongation)	(N.Ye. Zhukovskiy) National Aerospace University "Kharkiv Aviation Institute"	€ 50,360		€ 50,360		\$0	\$ 0 € 50360	US: EU:
P269j	UA	Kharkiv	Experimental Evaluation of a Two-Phase Mechanically Pumped Loop Prototype as a Thermal Control Mean (prolongation)	(N.Ye. Zhukovskiy) National Aerospace University "Kharkiv Aviation Institute"	€ 100,029		€ 100,029		\$0	\$ 0 € 100029	US: EU:
P366b	UA	Kyiv	Identification of radiation-specific biomarkers in breast cancer patients - basic molecular mechanisms of radiation-induced breast carcinogenesis	Research Center for Radiation Medicine	€ 50,000		€ 50,000		\$0	\$ 0 € 50000	US: EU:
P423g	UA	Dnipro	Manual on Space Project Management	State Public Enterprise "M.K.Yangel Design Office "Pivdenne"	\$49,999	\$49,999			\$49,999	\$ 49999	US: EU:
P515b	UA	Kharkiv	Development of Fuel Rod and Fuel Assembly Design and Manufacturing Technology for the Sub-Critical Assembly, and Their Testing to Substantiate Their Reliability and Safety	National Science Center "Kharkiv Institute of Physics and Technology"	\$55,000	\$55,000			\$55,000	\$ 55000	US: EU:
P515c	UA	Kharkiv	Development of Fuel Rod and Fuel Assembly Design and Manufacturing Technology for the Sub-Critical Assembly, and Their Testing to Substantiate Their Reliability and Safety	National Science Center "Kharkiv Institute of Physics and Technology"	\$468,000	\$468,000			\$468,000	\$ 468000	US: EU:
P548	UA	Kharkiv	Fluorescent Probes and Labels for Biomedical Applications	State Scientific Institution "Institute for Single Crystals"	\$18,239	\$18,239			\$18,239	\$ 18239	US: 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"	\$221,647			\$221,647	\$221,647	\$ 221647	US: EU:

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P557a	UA	Kharkiv	Development of customized radiation detectors and engineering systems	Amcrys Ltd.	\$971,964	\$971,964			\$971,964	\$ 971964	US: EU:
P562b	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	€ 15,530		€ 15,530		\$0	\$ 0 € 15530	US: EU:
P609	UA	Kharkiv	African Swine Fever Threat Reduction Through Surveillance in the Ukraine	Institute of Experimental and Clinical Veterinary Medicine	\$44,105	\$44,105			\$44,105	\$ 44105	US: EU:
P624	UA	Kyiv	Development of method and apparatus for 3D imaging of electrophysiological activity of biological tissues	V.M. Glushkov Institute of Cybernetics	€ 168,630		€ 168,630		\$0	\$ 0 € 168630	US: EU:
P633	UA	Kyiv	Education and Awareness Raising in Ukraine	O.V. Palladin Institute of Biochemistry	\$9,000			\$9,000	\$9,000	\$ 9000	US: EU:
P635a	UA	Kharkiv	R&D of microstrip detector modules at pre-production stage for the CBM experiment at FAIR	"LED TECHNOLOGIES OF UKRAINE" LTD	€ 66,528		€ 66,528		\$0	\$ 0 € 66528	US: EU:
P654a	UA	Kharkiv	Ferroelectric liquid crystals and anisometric nanoparticles for advanced information displays and photonic technologies	State Scientific Institution "Institute for Single Crystals", National Academy of Science of Ukraine	\$2,000	\$2,000			\$2,000	\$ 2000	US: EU:
P656	UA	Kharkiv	Noise Radar and Radiometric Imaging Sensors for Remote Sensing and Environment Monitoring	O.Ya. Usikov Institute of Radiophysics and Electronics	€ 117,300		€ 117,300		\$0	\$ 0 € 117300	US: EU:
P657a	UA	Dnipro	Making and supplying native abundance and B enriched Li2B4O7 crystals	Institute of Physical Optics	\$999	\$999			\$999	\$ 999	US: EU:
P666	UA	Kharkiv	The Prototype of the High Pressure Electrolyzer for Hydrogen Generation	A.M. Pidhomy Institute of Mechanical Engineering Problems	\$47,300	\$47,300			\$47,300	\$ 47300	US: EU:
P667	UA	Kharkiv	Investigation into AGW/TID generated by atmospheric and geomagnetic storm activity	Institute of Radio Astronomy	\$150,000	\$150,000			\$150,000	\$ 150000	US: EU:
P672	UA	Dnipro	A novel process for manufacturing complex shaped Fe-Al intermetallic parts resistant to extreme environments (EQUINOX)	State Public Enterprise "M.K.Yangel Design Office "Pivdenne"	€ 316,095		€ 316,095		\$0	\$ 0 € 316095	US: 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

## 43rd Governing Board

### 7 December 2016



#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
P674	UA	Dnipro	Modified cost effective fibre based structures with improved multi-functionality and performance	State Public Enterprise "M.K. Yangel Design Office "Pivdenne"	€ 442,645		€ 442,645		\$0	\$ 0 € 442645	US: EU:
P676	UA	Kharkiv	Research and development of stable dispersions based on water-insoluble natural organic extracts	Institute for Scintillation Materials of the Institute for Single Crystals R&D Cooperation	\$45,000	\$45,000			\$45,000	\$ 45000	US: EU:
P679	UA	Kharkiv	Plastic deformation of tungsten wires	V.N. Karazin Kharkiv National University	€ 15,000		€ 15,000		\$0	\$ 0 € 15000	US: EU:
P680	UA	Kharkiv	Chemically Bonded Silico-Phosphate Sprayable Ceramics	National Science Center "Kharkiv Institute of Physics and Technology"	\$57,500			\$57,500	\$57,500	\$ 57500	US: EU:
P684	UA	Kharkiv	Strategic and Targeted Support for Europe-Ukraine Collaboration in Aviation Research (AERO-UA)	(N.Ye. Zhukovskiy) National Aerospace University "Kharkiv Aviation Institute"	€ 134,125		€ 134,125		\$0	\$ 0 € 134125	US: EU:
P686	UA	Kharkiv	Sulfur atoms in astrochemistry and astrobiology. Laboratory and	Institute of Radio Astronomy	€ 84,000		€ 84,000		\$0	\$ 0 € 84000	US: EU:
P687	UA	Kharkiv	Plasma equilibrium in ICP discharge for plasma processing in semiconductor industry	V.N. Karazin Kharkiv National University	\$14,577	\$14,577			\$14,577	\$ 14577	US: EU:
9809	UA	Kyiv	SOS-Alert Solution - Cross-border cooperation project for enhanced detection and interception of illicit CBRN materials on the Slovakian-Ukrainian border	Administration of the State Border Guard Service of Ukraine (DPSU)	€ 226,722		€ 226,722		\$0	\$ 0 € 226722	US: EU:
9909	UA	Kharkiv	Feasibility Study of Installation of VARIAN CI 2300 LINAC at KIPT	National Science Center "Kharkiv Institute of Physics and Technology"	\$51,000	\$51,000			\$51,000	\$ 51000	US: EU:
<b>Subtotal Partner Projects Approved:</b>					\$2,701,144 € 1,786,964	\$2,412,997	€ 1,786,964	\$288,147	<b>\$2,701,144</b>	<b>\$ 2701144</b> <b>€ 1786964</b>	

**TOTAL:**

<b>\$12,924,639</b>	<b>\$4,921,685</b>	<b>€ 1,832,743</b>	<b>\$288,147</b>	<b>\$5,209,832</b>	<b>\$ 5209832</b>
<b>€ 1,786,964</b>				<b>€ 1832743</b>	

Status 4 - Comments:

Mr. S. Limage\*  
USA  
Board Member

Mr. M. Strikha\*  
Ukrainian  
Board Member

Mr. E. Maier\*  
European Union  
Board Member

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

## 43rd Governing Board Meeting - 7 December 2016



#	Full Title	USA (US \$)	European Union (EURO)	Partner (US \$)	Partner (EURO)	Total Funding (US \$)	Total Funding (EURO)	Total Funding (US \$ + EURO)
<b>Supplemental Budget:</b>								
<b>Activity:</b>								
01	Technical, Collaborator, and Contractor Travel Support	\$30,000	€15,000	-	-	\$30,000	€15,000	\$ 30000 €15000
04	Business Training/Sustainability Support	\$30,000	-	-	-	\$30,000	-	\$ 30000 €-
05	Patent Support	\$10,000	€8,000	-	-	\$10,000	€8,000	\$ 10000 €8000
06	Travel and Mobility Support	\$25,000	€15,000	\$187,987	€12,000	\$212,987	€27,000	\$ 212986.64 €27000
08	Expert Review and Advisors	-	€10,000	-	-	-	€10,000	\$ - €10000
09	Seminars/Workshops Support	\$75,000	€2,000	-	-	\$75,000	€2,000	\$ 75000 €2000
10	Service Contracts	\$225,000	€134,000	-	-	\$225,000	€134,000	\$ 225000 €134000
16	Partner Promotion & Support	-	€30,000	-	-	-	€30,000	\$ - €30000
17	Consulting Projects	-	-	-	-	-	-	\$ - €-
<b>Total Supplemental Budget:</b>		<b>\$395,000</b>	<b>€214,000</b>	<b>\$187,987</b>	<b>€12,000</b>	<b>\$582,987</b>	<b>€226,000</b>	<b>\$ 582986.64 €226000</b>

Mr. S. Limage\*  
USA  
Board Member

Mr. M. Strikha\*  
Ukrainian  
Board Member

Mr. E. Maier\*  
European Union  
Board Member

\* Commitment conditional upon availability of funds