

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US\$)	European Union (EURO)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
6224	MD	Chisinau	Physical and Photoelectrocatalytic Properties of (Ag,Cu)2ZnSn(S,Se)4 for Environmental Friendly	Institute of Applied Physics	\$50,000	\$25,000	€ 22,976	\$25,000	\$ 25000 € 22976	US:5 EU:5
	Subtota	l Projects A	Approved:		\$50,000	\$25,000	€ 22,976	\$25,000	\$ 25000 € 22976	
6173	UA	Kyiv	lonic-plasma treatment of nano-	V. N. Bakul Institute for Superhard Materials	\$100,000				€ 223/6	US:2 EU:2
6219	MD	Chisinau	Optical and Magnetic Molecular Switches: Prospects for Practical	Institute of Applied Physics	\$50,000		€ 22,976		€ 22976	US:2 EU:5
6220	MD	Chisinau	Finite-Velocity Diffusion Processes and Their Applications to Modelling the Spread of Pollution from	Institute of Genetics of the Academy of Sciences of Moldova	\$50,000					US:2 EU:2
6221	MD	Chisinau	Practical applications of guasigroups in cryptology	Institute of Mathematics and Computer Science	\$49,984					US:2 FU:2
6222	MD	Chisinau	Three-dimensional hierarchical hybrid nanoarchitectures based on graphitic aerogels and nanocrystalline	Technical University of Moldova	\$50,000		€ 22,976		€ 22976	US:2 EU:5
6223	MD	Chisinau	Advanced Econophysical Analysis for Optimization Transition to Sustainable Energy Development -	University of Academy of Sciences of Moldova	\$50,000					US:2 EU:2
6225	MD	Chisinau	Molecular monitoring of the most important fungal and bacterial diseases in apple	Institute of Genetics, Physiology and Plant Protection	\$49,994		€ 22,973		€ 22973	US:2 EU:5
6226	MD	Chisinau	"MODIFIED ANAEROBIC PROCESS OF CO2 BIOCONVERSION, PRODUCTION OF HIGH- CALORIC BIOMETHANE AND VITAMINIZED FORAGE	Research Center of Applied and Ecological Chemistry, Moldova State UniversityState University of Moldova	\$50,000				5. Approved	US:2 EU:2

1. Review Incomplete

4. Same as 3

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments

See comments

6. Proj. Dev Grant awarded

7. N/A

8. Review complete - to be considered at next GBM



#	Country	City	Full Title	Leading Institution	Requested Funds	USA (US\$)	European Union (EURO)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
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6227	MD	Chisinau	Doped Dirac semimetal Cd3As2 as material for	Institute of Applied Physics, Academy of Sciences of	\$49,990					US:2 FU:2
6228	MD	Chisinau	Fiber Optic Perimeter Intrusion Monitoring System	Institute of Applied Physics	\$48,989					US:2 EU:2
6229	MD	Chisinau	The localized synthesis and integration of semiconducting oxide nanostructures for gas and biomedical-sensing	Technical University of Moldova	\$50,000	\$25,000		\$25,000	\$ 25000	US:5 EU:2
6230	MD	Chisinau	The development of nanoscale semiconductor composites (CdS, PbS)	State University of Moldova	\$50,000					US:2 EU:2
6231	MD	Chisinau	Medium-Power and High- Power Converters and Electric Drives with Synchronized Modulation for	Institute of Power Engineering of the Academy of Sciences of Moldova	\$50,000					US:2 EU:2
6232	MD	Chisinau	High performance blue and violet InGaN lasers	State University of Moldova	\$49,992					US:2 FU:2
6233	MD	Chisinau	Development and application of agroecological approaches in sustainable insect pest management for healthy	Institute of Zoology	\$50,000		€ 22,976		€ 22976	US:2 EU:5
6234	MD	Chisinau	Identifying the most suitable form of vitamin B12 for	Institute of Chemistry of the Academy of Sciences of	\$50,000					US:2 EU:2
6238	MD	Chisinau	Digitization of old printed texts: a technology of free	Institute of Mathematics and Computer Science	\$49,984					US:2 EU:2
6239	MD	Chisinau	Ultrasonic technology and installation for presowing treatment of seeds increasing	Institute of Applied Physics	\$49,995					US:2 EU:2
6244	MD	Chisinau	Frequency converter for interconnection of	Institute of Power Engineering of the Academy of Sciences of	\$49,952					US:2 EU:2

1. Review Incomplete

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments

4. Same as 3

5. Approved for funding.See comments6. Proj. Dev Grant awarded

7. N/A

8. Review complete - to be considered at next GBM



#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US\$)	European Union (EURO)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
6245	MD	Chisinau	Innovative multicomponent nano-scale pharmaceutical solids containing hexamminecobalt(III) with	Institute of Chemistry of ASM	\$50,000		€ 22,976		€ 22976	US:2 EU:5
6246	MD	Chisinau	Optimization of thermal properties of graphene-based materials for efficient thermal management and heat-	State University of Moldova	\$50,000					US:2 EU:2
6247	UA	Lviv	models-software for prediction of elastic and phononic properties of three-		\$100,000	\$25,000	€ 22,976	\$25,000	\$ 25000 € 22976	US:5 EU:5
6248	UA	Kijiv	Development and preparation for implementation of wireless sensor networks for environmental monitoring on		\$100,000					US:2 EU:2
6249	UA	Kijiv	Synergetic enhancement of laser radiation frequency conversion efficiency in KDP crystals with incorporated	Institute of Physics, NAS of Ukraine	\$99,000					US:2 EU:2
6250	UA	Kyiv	Hybrid Josephson junctions for novel components of superconducting supercomputers for telecommunications and	G.V. Kurdyumov Institute for Metal Physics of the National Academy of Sciences of Ukraine	\$99,988	\$24,997	€ 22,973	\$24,997	\$ 24997 € 22973	US:5 EU:5
6251	UA	Kharkiv	LED reflectometer based upon Low Coherence Interferometry for Metrological Maintenance of	O.Ya. Usikov Institute of Radiophysics and Electronics	\$99,998					US:2 EU:2
6252	UA	Kyiv	Advanced Gallium-Nitride Quantum Heterostructures for High-Power Nanoelectronics	V.E. Lashkaryov Institute of Semiconductor Physics	\$100,000					US:2 EU:2

1. Review Incomplete

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments

4. Same as 3



#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US\$)	European Union (EURO)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
6253	UA	Kharkiv	Cheap high-efficiency solar energy converters based on nanoheterostructures of organic-inorganic halide	V.I. Vernadsky Institute of General and Inorganic Chemistry	\$100,000					US:2 EU:2
6254	UA	Mykolaiv	High energy synthesis of multifunctional nanomaterials	Institute of Pulse processes and technologies of NAS of Ukraine	\$100,000					US:2 EU:2
6255	UA	Kyiv	Development of Mn-based permanent magnets	G.V. Kurdyumov Institute for Metal Physics	\$100,000					US:2 EU:2
6256	UA	Kijiv	Novel functional nanomaterials to improve	Institute of Physics, NAS of Ukraine	\$95,588		€ 43,924		€ 43924	US:2 EU:5
6257	UA	Kijiv	Technology of biomolecular recognition of aflatoxin B1 using nanostructured	Insitute of Molecular Biology and Genetics of National Academy of Sciences of Ukraine	\$99,906					US:2 EU:2
6258	UA	Kijiv	Multitarget drug discovery to overcome antibiotic	Insitute of Molecular Biology and Genetics of National Academy of	\$100,000		€ 45,952		€ 45952	US:2 EU:5
6259	UA	Kyiv	Synthesis and validation of nanoparticles directly targeting cancer cells as a	O.O.Chujko Institute of Surface Chemistry	\$99,969					US:2 EU:2
6260	UA	Kyiv	approaches in multipotent	Bogomoletz Institute of Physiology of the Ukrainian National Academy of Sciences	\$98,904					US:2 EU:2
6261	UA	Kijiv	Direct cardiogenic reprogramming of fibroblasts as promising strategy for	Insitute of Molecular Biology and Genetics of National Academy of Sciences of Ukraine	\$100,000		€ 45,952		€ 45952	US:2 EU:5
6262	UA	Kyiv		Center of molecular and cell research of National University of Kyiv-Mohyla Academy	\$98,055		€ 45,058		€ 45058	US:2 EU:5
6263	UA	Ivano-Frankivsk		Vasyl Stefanyk Precarpathian National University	\$100,000					US:2 EU:2

1. Review Incomplete

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3. Rewrite / resubmit - see comments

4. Same as 3



#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US\$)	European Union (EURO)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
6264	UA	Kyiv	Novel Gold-Polymer- Photosensitizer Nanosystems	Taras Shevchenko National University of Kyiv	\$99,988					US:2 EU:2
6265	UA	Uzhgorod	Development of technology of heterophase composites based on proustite/pyrargyrite crystals and chalcogenide	Uzhgorod State University	\$99,500					US:2 EU:2
6266	UA	Kharkiv	A database for Kharkiv	Institute of Ionosphere under NAS and MES of Ukraine	\$99,840					US:2 FU:2
6267	UA	Kyiv	Promotion of Existing Technology Transfer Management Program to	National Technical University of Ukraine "Kyiv Polytechnical Institute"	\$100,000					US:2 EU:2
6268	UA	Sumy	Development and application to production of the software-hardware trainer-simulator	Sumy State University	\$99,934					US:2 EU:2
6269	UA	Lviv	Development of tools for OSL dosimetry of ionizing radiation	Lviv Polytechnic National University	\$100,000					US:2 EU:2
6270	UA	Kharkiv	Techniques of effective use of an intensive electron beam	V.N. Karazin Kharkiv National University	\$99,996					US:2 EU:2
6271	UA	Kharkiv	Investigation of electromagnetic field patterns in torsatron Uragan-2M for	V.N. Karazin Kharkiv National University	\$100,000					US:2 EU:2
6272	UA	Lviv	Graphene-based sensors for the magnetic diagnostics in the fusion reactors radiation	Lviv Polytechnic National University	\$100,000					US:2 EU:2
6273	UA	Lviv	Composite scintillation materials for registration of	Lviv Polytechnic National University	\$100,000					US:2 EU:2
6274	UA	Ivano-Frankivsk	NANOPARTICLES FOR DIABETES TREATMENT	V. Stefanyk Precarpathian University	\$98,000	\$49,000		\$49,000	\$ 49000	US:5 FU:2
6275	UA	Dnipropetrovsk	ELABORATION OF A FUNCTIONAL NUTRITIONAL PRODUCT WITH	I.Ya. Franko National University of Lviv	\$98,796					US:2 EU:2

1. Review Incomplete

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments



#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US\$)	European Union (EURO)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
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:2 EU:2
6277	MD	Chisinau	Magnetic cluster compounds AB4X8 with lacunar spinel structure for novel spintronics	Institute of Applied Physics	\$49,998					US:2 EU:2
6278	AZ	Baku	Molecular identification of plant diseases infected Homoptera, the influence of	Institute of Zoology	\$100,000					US:2 EU:2
6279	AZ	Baku	Elaboration of the aggressively-resistant and hermetic polymeric materials	Institute of Radiation Problems	\$100,000					US:2 EU:2
6280	AZ	Baku	DEVELOPMENT OF EFFECTIVE SOLAR CELLS BASED ON LIQUID	Institute of Physics	\$100,000					US:2 EU:2
6281	AZ	Baku		Institute of Genetic Resources (ANAS)	\$100,000					US:2 EU:2
6282	AZ	Baku	Synthesis and study radioprotective properties of complexes tryptophan with	Institute of Catalysis and Inorganic Chemistry named after Academician M.F.Nagiyev	\$100,000	\$25,000	€ 23,127	\$25,000	\$ 25000 € 23127	US:5 EU:5
6283	AZ	Baku	Developing new bacterial bio- preparation, improving soil fertility, plant productivity and	Institute of Chemistry of Additives	\$100,000					US:2 EU:2
6284	AZ	Baku	Studying of risks occurred due to influence of current geodynamic processes in the	Institute of Geology	\$100,000		€ 46,253		€ 46253	US:2 EU:5
6285	AZ	Baku	Development of methods for refinement of results analysis of the biological objects	Institute of Physics	\$99,898					US:2 EU:2
6286	AZ	Baku	Forced differentiation of stem cells of malignant tumors	A.I.Karaev Institute of Physiology	\$100,000	\$50,000		\$50,000	\$ 50000	US:5 FU:2

- 1. Review Incomplete
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- 3. Rewrite / resubmit see comments
- 4. Same as 3



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6287	AZ	Baku	Gas-hydrates of the South Caspian Oil&Gas Basin: Studyng of Conditions of thermobaric stability and	Oil and Gas Institute	\$100,000					US:2 EU:2
6288	AZ	Baku	Optimization structure- properties of Cd(TM)Te thin films for creation gamma- and	Science and Technology Park	\$100,000		€ 46,253		€ 46253	US:2 EU:5
6289	AZ	Baku	Palaeoclimate and sea level of the Plio-Pleistocene time,	Acad. H. Aliyev Institute of Geography	\$100,300					US:2 EU:2
6290	AZ	Baku	INVESTIGATING BETA- THALASSMEIA CAUSING MUTATIONS IN AZERBAIJAN POPULATION USING NEXT	Institute of Genetic Resources (ANAS)	\$99,150		€ 45,860		€ 45860	US:2 EU:5
6291	AZ	Baku	Earthquake tectonics of Sangachal terminal, energy corridors (Azerbaijan):	Geology and Geophysics Institute	\$100,000					US:2 EU:2
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:2 EU:2
6293	AZ	Baku	The study of natural resources and recreational	Institute of Radiation Problems	\$100,000					US:2 EU:2
6294	AZ	Baku	Study of optimal parameters of sterilization with ionizing radiation of plant products	Institute of Radiation Problems	\$99,996					US:2 EU:2
6295	AZ	Baku	Using machine-learning algorithms to recognize novel	Institute of Genetic Resources (ANAS)	\$99,716		€ 46,122		€ 46122	US:2 EU:5
6296	AZ	Baku	Creation of new silkworm breeds and hybrids, characterized with high	Institute of Genetic Resources (ANAS)	\$99,896					US:2 EU:2

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- 3. Rewrite / resubmit see comments
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6297	GE	Tbilisi	Planning of facilities location and goods transportation in	Tbilisi I. Javakhishvili State University	\$70,000		€ 32,166		€ 32166	US:2 EU:5
6298	GE	Tbilisi	New biodegradable cationic polymers composed of arginine and spermineversatile biomaterials for	Agricultural University of Georgia	\$69,989		€ 32,161		€ 32161	US:2 EU:5
6299	GE	Tbilisi	A new polarimetric method of objects recognition for monocular system of machine	Georgian Technical University	\$70,000					US:2 EU:2
6300	GE	Tbilisi	Gates for quantum computing induced from geometric phase and monodromy based	Georgian Technical University	\$70,000					US:2 EU:2
6301	GE	Tbilisi	Fluorine Containing Solid Polymer Electrolyte Membranes for Energy	Tbilisi I. Javakhishvili State University	\$70,000	\$17,500	€ 16,083	\$17,500	\$ 17500 € 16083	US:5 EU:5
6302	GE	Tbilisi	Determination of reacting phases optimal matching to fabricate new composites by Self-propagating High-temperature Synthesis	F. Tavadze Institute of Metallurgy and Material Sciences	\$69,920					US:2 EU:2
6303	GE	Tbilisi	Realization of Logic Gates in Photonic Crystal and	Tbilisi I. Javakhishvili State University	\$70,000		€ 32,166		€ 32166	US:2 EU:5
6304	GE	Tbilisi	Development of Quick Response Strategy Against Chemical Pollution of Soils by	LEPL Durmishidze Institute of Biochemistry and Biotechnology	\$70,000		€ 32,166		€ 32166	US:2 EU:5
6305	GE	Tbilisi	Development of B4C-TiB2 nanocomposite-based	F. Tavadze Institute of Metallurgy and Material Sciences	\$69,800					US:2 EU:2
6306	GE	Tbilisi	DNA diagnostic technology for identification of GM crops	Beritashvili Institute of Physiology	\$69,978	\$35,000		\$35,000	\$ 35000	US:5 FU:2
6307	GE	Tbilisi	Investigation of the Coexistence of Magnetism and Superconductivity in	LEPL. Ilia Vekua Sukhumi Institute of Physics and Technology	\$69,991					US:2 EU:2

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6308	GE	Tbilisi	Breast Cancer Associated Epigenetic Profile in Georgian	Tbilisi State Medical University	\$56,454					US:2 EU:2
6309	GE	Tbilisi	Biodegradable polymers synthesis and application in environment protection from	Tbilisi I. Javakhishvili State University	\$70,000		€ 32,166		€ 32166	US:2 EU:5
6310	GE	Tbilisi	Selection of entomopathogenic nematodes	Agricultural University of Georgia, L. Kanchaveli Institute of Plant Protection	\$70,000					US:2 EU:2
6311	GE	Tbilisi	Monitoring of Campylobacter	G. Eliava Institute of Bacteriophage, microbiology and virology	\$64,000					US:2 EU:2
6312	GE	Tbilisi	Experimental Study of Whole Body Hyperthermia Clinical Use Risks and Benefits based	I. Beritashvili Institute of Physiology	\$70,000					US:2 EU:2
6313	GE	Tbilisi	Producing of InAs and radiation-resistant InAs-III-V alloys comprising Uravi ore	Tbilisi I. Javakhishvili State University	\$69,979					US:2 EU:2
6314	GE	Tbilisi	Study of the ability of lactic acid bacteria isolated in	Ivane Javakhishvili Tbilisi State University, Andronikashvili	\$70,000					US:2 EU:2
6315	GE	Tbilisi	Novel diazole/triazole and dibenzofuran containing tetracyclic systems with promising biological activities: synthesis and antimicrobial	Georgian Technical University	\$70,000					US:2 EU:2
6316	GE	Tbilisi	Studying the Distribution of Metal Ions between Bacterial Fractions during Their Growth	Tbilisi I. Javakhishvili State University	\$70,000	\$35,000		\$35,000	\$ 35000	US:5 EU:2
6317	GE	Tbilisi	Fabrication of multiphase HTSC Bi-Pb-Sr-Ca-Cu-O	Ivane Javakhishvili Tbilisi State University, Andronikashvili Institute of Physics	\$69,994		€ 32,163		€ 32163	US:2 EU:5
6318	GE	Tbilisi	Radon in schools and kindergartens	Ivane Javakhishvili Tbilisi State University, Andronikashvili	\$70,000				5. Approved f	US:2 EU:2

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

See comments

6. Proj. Dev Grant awarded

7. N/A

8. Review complete - to be considered at next GBM

STCU Funding Table 43rd Governing Board -



Amendment

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US\$)	European Union (EURO)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
6319	GE	Tbilisi	Cumulative stimulated domain-acoustic echo (DAE) phenomenon study and its application in processors	Tbilisi I. Javakhishvili State University	\$69,987					US:2 EU:2
6320	GE	Tbilisi	Nanoparticulate Drug Delivery Systems for	I.Kutateladze Institute of Pharmacochemistry, Georgian Academy of Sciences	\$69,980					US:2 EU:2
6321	GE	Tbilisi	Digital signature schemes in	Bank of Georgia University	\$69,783		€ 32,066		€ 32066	US:2 EU:5
	Subtotal Co-Funded Projects Approved:				\$7,764,957	\$286,497	€ 790,464	\$286,497	\$ 286497 790464	

TOTAL:

\$ 311497 \$7,814,957 \$311,497 € 813,440 \$311,497 813440

Status 4 - Comments:

Mr. P. Dolliff* 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