

FUNDO PARA O DESENVOLVIMENTO DAS CIÊNCIAS E DA TECNOLOGIA

Lista

Em cumprimento do Despacho n.º 54/GM/97, de 26 de Agosto, vem o Fundo para o Desenvolvimento das Ciências e da Tecnologia publicar a lista dos apoios concedidos no 3.º trimestre do ano de 2013:

Entidade beneficiária	O responsável de projecto de apoio financeiro	N.º de projecto de apoio financeiro	Data da autorização	Montante atribuído	Finalidades
Apoio financeiro dos projectos das ciências e da tecnologia					
Chan, Kit	Chan, Kit	119/2012/A	23/7/2013	130,000.00	Back covered steel nail (1.º payment).
Lei, Se Un	Lei, Se Un	034/2013/A	25/7/2013	13,032.00	Cutting rack of a sliding side hung portable cutting machine (Invention patent of China).
	Lei, Se Un	035/2013/A	25/7/2013	3,263.00	Cutting rack of a sliding side hung portable cutting machin (utility model patent of China).
Sun, Meng Leong	Sun, Meng Leong	044/2013/A	4/9/2013	7,255.00	Shell and tube heat exchanger (patent application).
	Sun, Meng Leong	045/2013/A	4/9/2013	7,255.00	Sewage water processing filter (patent application).
	Sun, Meng Leong	046/2013/A	4/9/2013	7,255.00	Air conditioner in household (patent

					application).
MOTIX Limitada	Au,Hon Man	083/2011/A	25/7/2013	85,000.00	Interactive TV platform with smart TV and mobile devices (2.º payment).
Fundação Universidade de Ciência e Tecnologia de Macau – Universidade de Ciência e Tecnologia de Macau	Ma, Wenzhe	088/2012/A3	26/8/2013	1,393,000.00	Application of PCR array in the mechanism study of neo-tanshinlactone against breast cancer and drug screening based on the same mechanism (1.º payment).
	Zhao, Yonghua	089/2012/A3	26/8/2013	870,000.00	The active compounds of radix angelica sinensis combined with BMSCs modulating angiogenesis in ischemic boundary zone of MCAo model rats (1.º payment).
	Xie, Ying	090/2012/A3	26/8/2013	1,596,000.00	Studyies of the bioavailbility enhancer of silymarinin and the candidate agent for treatment of non-alcoholic steatohepatitis (1.º

				payment).
Zhang Wei	091/2012/A3	26/8/2013	1,130,000.00	The profiling of bioactive compounds of phyllanthus urinaria and mechanism of toxicity reducing and efficacy enhancing in combination with nucleoside analogues (1.° payment).
Liu, Liang	092/2012/A3	26/8/2013	2,076,000.00	Establishment of the innovative methods and standards for quality control of the pharmaceutical preparations derived from Chinese herbal formula by using polytechnic cutting-age chemical and biological technologies (1.° payment).
Yi, tao	094/2012/A3	26/8/2013	1,472,700.00	Investigation on supersaturating lipid-based microcapsules to improve oral bioavailability of poorly water-soluble flavonoids (1.°

				payment).
	Sheng, Ni	120/2012/A	23/7/2013	200,000.00 High-resolution traffic noise mapping in the Macau peninsula (1.º payment).
	Jiang, Zhihong	020/2013/A1	26/8/2013	1,550,000.00 Bioassay and mechanism investigations on the bioactive components from Chinese medicines targeting modulation of immunoglobulin G glycosylation (1.º payment).
	Li, Jianqing	028/2013/A	22/8/2013	130,000.00 Fiber optic microphone based on single-mode fiber tapers (USA patent application).
	Li, Jianqing	030/2013/A	22/8/2013	130,000.00 An optical fiber refractive index sensor based on speckle correlation (USA patent application).
Universidade de Macau	Chen, Yang	077/2012/A3	26/8/2013	459,750.00 Large random matrices with applications to the Shannon capacity arising from

					multi-user wireless communications, signal processing and a problem on large gap probability (1.º payment).
	Qian, Tao	098/2012/A3	26/8/2013	700,000.00	Approximation with rational functions in one and higher dimensions with applications (1.º payment).
Universidade de Macau	Kou, Kit Ian	099/2012/A3	26/08/2013	350,000.00	Generalized spheroidal wave functions and applications in Quaternion analysis (1.º payment).
	Tang, Yuanyan	100/2012/A3	26/8/2013	660,000.00	Classifier-Based learning for feature evaluation and selection: theory, algorithm, and applications (1.º payment).
	Leung, Chung Hang	103/2012/A3	26/8/2013	660,000.00	Structure-based drug discovery and lead optimization of natural product/natural product-like

				compounds as TNF-alpha inhibitors (1.º payment).
Sun, Haiwei	105/2012/A3	26/8/2013	443,300.00	Numerical solutions for partial differential equations with fractional order derivatives (1.º payment).
Gong, Zhiguo	106/2012/A3	26/8/2013	501,400.00	Travel activity discovery from large-scale web albums (1.º payment).
Li, Yangmin	108/2012/A3	26/8/2013	1,144,950.00	Dual complaint micro positioning stage design and multi-dimensional microscopic vision/force hybrid coordinated control for cell manipulation on a micro-fluidic chip (1.º payment).
Su, Yan	115/2012/A	23/7/2013	237,000.00	Numerical simulations on mixed convective flow and heat transfer of an immersed cylindrical tube heat exchanger in oscillating flows (1.º payment).

Wang Chunming	116/2012/A	23/7/2013	200,000.00	Immunopotentiating polysaccharides from Chinese medicinal herbs for bone tissue regeneration (1.º payment).
Hoi, Pui Man	118/2012/A	23/7/2013	200,000.00	Pharmacological study on the therapeutic effect of <i>Siraitia grosvenori</i> vascular dysfunction in T2DM and underlying mechanisms (1.º payment).
Vong, Seak Weng	001/2013/A	23/7/2013	148,900.00	High order compact schemes of partial differential equations (1.º payment).
Shu, Lianjie	002/2013/A	23/7/2013	288,800.00	A gradient approach for efficient design and sensitivity analysis of control charts under shift Uncertainty (1.º payment).
Pun, Chi Man	008/2013/A1	26/8/2013	527,200.00	Research and applications in object tracking and recognition (1.º payment).

	Zhou, Jiantao	009/2013/A1	26/8/2013	809,500.00	High-fidelity image and video compression technology for resource-constrained mobile devices (1.º payment).
Universidade de Macau	Zhou, Wanhuan	011/2013/A1	26/8/2013	900,000.00	he load transfer and deformation mechanism of geosynthetic reinforced pile supported embankment (1.º payment).
	Yuen, Ka Veng	012/2013/A1	26/8/2013	476,000.00	On the online identification for structural health monitoring (1.º payment).
	Hou, Ian	013/2013/A1	26/8/2013	558,500.00	Many-qubit systems and its applications to quantum computation (1.º payment).
	Cao, Huaidong	016/2013/A1	26/8/2013	800,000.00	Singularity formations in Ricci flow and classification of Ricci solitons (1.º payment).
Apoio financeiro dos ensinos que promovem as ciências					
Escola Hou Kong	Mak, Kuok Kun	128/2011/P	1/7/2013	31,656.80	Workshop on Arduino (micro automatic

					controller). learning and creative design (2.º payment).
	Leong, Kam Wa	033/2012/P	4/9/2013	88,800.00	Learning and designing of simulation robot (2.º payment).
	Chu, Wai Kouk	048/2013/P	1/7/2013	1,500.00	DV class practice and progress (1.º payment).
	Lei, Mio Leng	051/2013/P	25/7/2013	18,200.00	Understanding, research and practice of organic planting (1.º payment).
	Zhang, Xiaoping Cheok, Sio Tong	052/2013/P	25/7/2013	46,700.00	Chemistry of water analysis (1.º payment).
	Kang, Yuzhuan	061/2013/P	22/8/2013	37,955.00	Extracurricular experiment research on Chemistry for senior middle school students (1.º payment).
	Lao, Meng Ngai	063/2013/P	22/8/2013	121,740.00	Mathematics logical training (1.º payment).
	Loi, Sio Hong	064/2013/P	4/9/2013	119,920.00	Science crossover general studies team (1.º payment).
	Wong, Seong Un	071/2013/P	4/9/2013	71,550.00	Tablet PC application and development group (1.º payment).

	Zhou, Wenjie	075/2013/P	23/8/2013	2,100.00	Experimental investigation on micro-Chemistry (1.º payment).
	Wai, Chin Hou	076/2013/P	22/8/2013	43,231.00	Paleoecology research (1.º payment).
	Lei, Sao Kao	087/2013/P	22/8/2013	40,020.00	Developing Maths thinking skills for high school students (1.º payment).
Escola para Filhos e Irmão dos Operários	Chao, Iok Kuan	056/2013/P	23/7/2013	14,540.00	Biological observation and scientific recording (1.º payment).
	Mak, Ian Pui	057/2013/P	22/8/2013	3,750.00	The Mathematic Olympiad training for junior one students (1.º payment).
	Sin, Wai Hong	058/2013/P	22/8/2013	2,400.00	Senior one international Mathematical Olympiad training (1.º payment).
	Dong, Shuzhen	059/2013/P	22/8/2013	4,500.00	The senior 3 intensive course for international Mathematical Olympiad (1.º payment).
Escola para Filhos e Irmão dos Operários	Lam, Seng Wai	065/2013/P	22/8/2013	2,200.00	Intensive training of F3 Mathematics

					Mathematical Olympiad (1.º payment).
	Man, Chi Wo	068/2013/P	22/8/2013	2,250.00	F2 Mathematic competition training (1.º payment).
	Lou, Wai Fo	070/2013/P	22/8/2013	94,094.00	Multimedia programming (1.º payment).
	Si, Chan Hong	077/2013/P	23/8/2013	3,000.00	S2 Mathematic competition training (1.º payment).
	Lam, Pou Kin	078/2013/P	22/8/2013	14,197.30	The use of the telescope and the observatory research of digital astronomy photography (Comet observing) (1.º payment).
	Ng, Ngan Leng	136/2013/P	27/9/2013	17,700.00	A practice of plant (1.º payment).
Escola dos Moradores de Macau	Ng, Wai Man	079/2013/P	23/8/2013	19,820.00	On the exploration of film making and curriculum construction (1.º payment).
	Wong, Kin Son	084/2013/P	4/9/2013	10,000.00	The research on making the rescue and basic skill robot (1.º payment).
	Lai, Kim Fei	086/2013/P	22/8/2013	17,940.00	Basic and advance

					science and technology innovation workshop (1.º payment).
	Wong, Kin Son	085/2013/P	4/9/2013	21,000.00	The research on making the soccer robot (1.º payment).
	Choi, Pak Lok	126/2013/P	27/9/2013	55,000.00	Science learning and innovation team (1.º payment).
Escola dos Moradores do Bairro do Patane	Wai, Kin Chio	124/2013/P	19/9/2013	80,000.00	The research on making & applying the robot (1.º payment).
Escola Kao Yip	Ng, Pak Seng	088/2013/P	23/9/2013	895.00	Investigating the methods for measuring geometric area (1.º payment).
	Ng, Sio Ha	091/2013/P	4/9/2013	975.00	Innovative thinking and training (primary mathematics Olympiad in the fifth grade) (1.º payment).
	Chan, João	094/2013/P	4/9/2013	736.00	Innovative thinking and training (primary mathematics Olympiad in the first grade) (1.º payment).
	Xu, Lili	097/2013/P	4/9/2013	736.00	Innovative thinking and training (primary mathematics

					Olympiad in the third grade) (1.º payment).
	Cho, Kin Cheong	089/2013/P	4/9/2013	21,650.00	Webpage design skills (1.º payment).
	Chan, Sio Ieong	090/2013/P	23/9/2013	2,667.00	Investigating on combinations, inequalities and complex numbers (1.º payment).
	Cheang, Un San	092/2013/P	23/9/2013	975.00	Innovative thinking and training (Primary Mathematics Olympiad in the sixth grade) (1.º payment).
	Chen, Zhenlong	093/2013/P	4/9/2013	690.00	Innovative thinking and training (Primary Mathematics Olympiad in the fourth grade) (1.º payment).
	Ieong, Po Chu	095/2013/P	23/9/2013	650.00	Innovative thinking and training (Primary Mathematics Olympiad in the second grade) (1.º payment).
	Escola Kao Yip	Kuan, Keng Chan	096/2013/P	4/9/2013	74,000.00
Kong, Lot Man		098/2013/P	23/9/2013	16,000.00	Pet raising and

				gardening club (1.º payment).
Ho, Lai Heong	099/2013/P	27/9/2013	12,390.00	Make use of kitchen waste in campus (1.º payment).
Lam, Ka Vang	100/2013/P	23/9/2013	2,000.00	Chemistry Olympic group (1.º payment).
Choi, Ian Ian	101/2013/P	19/9/2013	28,759.00	Daily chemistry (1.º payment).
Chan, Ka Leong Lei, Man Pok	102/2013/P	23/9/2013	195,000.00	Robot workshop (1.º payment).
Hoi, Weng Hou	103/2013/P	27/9/2013	2,000.00	Physics Olympic group (1.º payment).
Hoi, Sio Ieok	104/2013/P	19/9/2013	65,110.00	Electronics and MCU extracurricular group (1.º payment).
Ho, Ieok Man Io, Pun Seng	105/2013/P	23/9/2013	121,000.00	Humanoid workshop (1.º payment).
Hoi, Kong Hong	106/2013/P	27/9/2013	2,310.00	Investigation on geometric change, combination and graph theory (1.º payment).
Leong, Chi Kuong	107/2013/P	19/9/2013	930.00	Elementary investigation on geometry and function (1.º payment).
Chan, Kin Weng	108/2013/P	23/9/2013	560.00	Investigation on various methods of factorization and

					solutions of quadratic, cubic and quartic equations (1.º payment).
	Tam, Sio Wai	109/2013/P	27/9/2013	86,440.00	DC motor mechanical group (1.º payment).
	Pun, Chi Fai	110/2013/P	27/9/2013	130,000.00	Primary robot team (1.º payment).
	Cheong, Teng Wang	111/2013/P	19/9/2013	13,800.00	Science and technology (1.º payment).
Escola Keang Peng	Lam, Kai Heng	127/2013/P	23/9/2013	50,605.00	The effect of water quality on aquatic organism and the pharmacological research and study of traditional Chinese medicine using in Macau (1.º payment).
	Lam, Kai Heng	129/2013/P	27/9/2013	42,500.00	Science popular and creativity education (1.º payment).
	Wong, Kit Hou	133/2013/P	27/9/2013	17,187.00	Mobile application development (1.º payment).
Sheng Kung Hui Escola Choi Kou (Macau)	Wong, Kai Meng	094/2012/P	25/7/2013	6,537.10	Science Curriculum 2 (2.º payment).
	Leong, Si Fai	134/2013/P	23/9/2013	3,510.00	Group of Chemical Olympics (1.º payment).

Escola da Associação para Filhos e Irmãos dos Agricultores, em Chinês Choi Nong Chi Tai Hoc Hau	Chan, Wai Hong	062/2013/P	23/7/2013	81,980.00	The research of kitchen waste and composting (1.º payment).
	Chao, Chong Hou	121/2013/P	19/9/2013	2,990.00	Knock the door of science (1.º payment).
Colégio de Santa Rosa de Lima - Secção Chinesa	Wong, Choi Ha	049/2013/P	1/7/2013	41,400.00	The chemical analysis and testing of food (1.º payment).
Colégio do Sagrado Coração de Jesus	Ma, Dan	072/2013/P	22/8/2013	40,440.00	The scientific box of magic Sainz (1.º payment).
Escola Secundária Técnico-Profissional da Associação Geral dos Operários de Macau	Vong, Kuong Lun	131/2013/P	23/9/2013	55,824.00	Work team of Android apps and intelligent models (1.º payment).
Colégio Yuet Wah	Ieong, Wai Tong	072/2011/P	1/7/2013	6,000.00	Program training for the virtual football robot (2.º payment).
Escola Cham Son de Macau	Ng, Wai Man	054/2013/P	23/7/2013	37,970.00	Curso Interessante de Robótica (1.º payment).
	Ng, Wai Man	055/2013/P	22/8/2013	22,820.00	Pequenos cientistas com grande sabedoria científica (1.º payment).
Escola Kwong Tai	Ng, Pui Wek	112/2013/P	23/9/2013	37,316.00	Electro-mechanical challenge (1.º payment).

	Ng, Pui Wek	113/2013/P	27/9/2013	18,110.00	Creative robot (1.º payment).
Escola Lin Fong Pou Chai	Chan, Chung Yin	083/2013/P	4/9/2013	16,264.00	Energy conservation and environmental protection group(1.º payment).
Escola Nossa Senhora de Fátima	Cheang, Fan	147/2012/P	25/7/2013	31,719.00	Sim Robot (1.º payment).
	Cheang, Fan	050/2013/P	25/7/2013	168,230.00	Wonderful robot (1.º payment).
Colégio Diocesano de São José	Kuok, Kai Ian	053/2013/P	22/8/2013	53,500.00	The act of technological innovation and practices by studying Arduino (1.º payment).
Instituto Salesiano da Imaculada Conceição	Mak, Kam In	073/2013/P	23/8/2013	48,576.00	Science lab for children (1.º payment).
	Mak, Kam In	074/2013/P	22/8/2013	19,100.00	Mak sir workshop (1.º payment).
	Hong, Ka Seng	114/2013/P	19/9/2013	52,140.00	Maker space (1.º payment).
	Lai, Kam Un	116/2013/P	27/9/2013	48,000.00	Power ready 2013 (1.º payment).
	Lo, Sio Va	117/2013/P	19/9/2013	20,335.00	Tourism geography (1.º payment).
	Lo, Sio Va	119/2013/P	27/9/2013	23,936.00	Application of multimedia (1.º payment).

Escola São Paulo	Ng, Weng Chi	080/2013/P	22/8/2013	700.00	Form one Olympic Mathematics training class (1.º payment).
	Wu, Hoi Seng	081/2013/P	4/9/2013	700.00	Form two Olympic Mathematics training class (1.º payment).
	O, Cho Lok	082/2013/P	22/8/2013	700.00	Form Three Olympic Mathematics training class (1.º payment).
Instituto Politécnico de Macau	Lau, Ying	123/2010/P	25/7/2013	1,025.00	Communication knowledge and skill training program among nursing students (2.º payment).
Fundação Universidade de Ciência e Tecnologia de Macau – Universidade de Ciência e Tecnologia de Macau	Mei, Bao	123/2013/P	30/8/2013	291,310.00	The Exhibition of Space Exploration — to reveal the marvelous mystery of the Solar System.
<i>Total</i>				23,873,521.20	

Fundo para o Desenvolvimento das Ciências e da Tecnologia, aos 16 de Outubro de 2013.

O Presidente do Conselho de Administração, Tong Chi Kin.

O Membro do Conselho de Administração, Cheang Kun Wai.