**EXTERNAL SPONSORING BODIES (LRGS / FRGS / ERGS / MOSTI / TORAY FOUNDATION / MAKNA / BHAGWAN SINGH AND OTHERS …ETC)**

APPROVED BY IMU-JOINT COMMITTEE ON RESEARCH AND ETHICS

**FINANCIAL YEAR 1ST JANUARY 2015 TO 31ST DECEMBER 2015**

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| ***Approved @ 91st IMUJC Meeting on 22 January 2015*** |
| **NO.** | **PROJECT** **LEADER/INVESTIGATORS** | **PROJECT TITLE & GRANT NO.** | **AMOUNT (RM)** |
| 1 | *Prof Yeoh Peng Nam (IMU); Prof Mallikarjuna P Rao; Dr Sreenivas Rao S; Dr Thirumurugan R (IMU); Dr Subashini C Thambiah (UPM)* | **Efficacy of** *Andrographis paniculata* **in Preventing the Systemic Inflammation, Metabolic dysfunction and Atherosclerosis Induced by Cholesterol-Enriched High-Fat Diet in Animal Models** ***\*External Project – Research Grant under NRGS (Ministry of Agriculture Inc)*** *(Rec’d on 7 Jan 2015)****Jan 2015 – Dec 2016 (24 mths)******Approved: IMUJC 220115 (91st Mtg)******Project ID No: IMU R 163/2015 (NRGS)*** | *RM 408,900.00 (NRGS- Ministry of Agriculture Inc)* |
| ***Approved @ 93rd IMUJC Meeting on 26 February 2015*** |
| 2 | Dr Amalraj Fabian D (IMU); Dr Abhishek Parolia (PhD Student, IMU); Dr Rajinikanth P S (Taylors University) | Effectiveness of Chitosan-Flavonoids (Propolis Extract) Nanoformulations against Enterococcus faecalis Biofilms in the Root Canal using Extracted Human Tooth Model ***\*PhD Project*** *(Rev/Rec’d on 6 March 2015)****January 2015 – Dec 2017 (36 months)******Approved: IMUJC 260215 (93rd Mtg)******Project ID No: IMU R 115/2013 (File II)*** | RM52,100.00 ***[Grant will be taken partly from ERGS Project ID No. IMU R 115/2013]*** |
| ***Approved by MOSTI on 12 February 2015 (Email) / Presented at 83rd IMUJC Mtg on 24 July 2014*** |
| 3 | **Dr Pran Kishore Deb (IMU)**; Johnson Stanslas (UPM); Prof Mallikarjuna P Rao; Prof Yeoh Peng Nam; Dr Sreenivasa Rao S (IMU) | Hit to Lead Optimisation: Synthesis and Biological Evaluation of New Thienopyrimidine Derivatives as Potential Antagonists of Adenosine Aз Receptor, A Promising Target for the Treatment of Asthma *\*MOSTI E-Science Project (Already Approved - MOSTI Email dd 120215) (Rev/Rec’d on 25 February 2015)****May 2015 – April 2017 (24 months)******Approved: IMUJC 240714 (83rd Mtg)******Project ID No: IMU R 164/2015*** ***[MOSTI-06-02-09-SF0048]*** | RM80,000.00 (MOSTI) |
| ***Approved by MOSTI on 27 February 2015 (Email) / Presented at 90th IMUJC Mtg on 18 December 2014*** |
| 4 | **Dr Norman Chieng (IMU);** Prof Dr Leong Chee Onn (IMU); Prof Cheong Soon Kheng (UTAR) | Dry State Preservation of Mesenchymal Stem Cells *\*MOSTI E-Science Project (Already Approved - MOSTI Email dd 270215)**(Rev/Rec’d on 16 March 2015)****June 2015 – November 2017 (30 mths)******Approved: IMUJC 181214 (90th Mtg)*** ***Project ID No: IMU R 165/2015*** ***[MOSTI-02-02-09-SF0047]*** | RM233,000.00 (MOSTI)  |
| ***Approved @ 95th IMUJC Meeting on 26 March 2015*** |
| 5 | **Dr Kok Yih Yih (IMU)**; Juay Harn Li (MSc Student, IMU); Prof Chu Wan Loy; Dr Wong Shew Fung (IMU); Prof Phang Siew Moi (UM); AProf Dr Chiew Fook Tim (NUS); AProf Dr Srikumar C (Perdana University)  | Skin Allergenicity of Airborne and Soil Algae Isolated from Malaysia ***\*MSc Project****(Rev/Rec’d on 2 April 2015)****March 2015 – February 2017 (24 months)******Approved: IMUJC 260315 (95th IMUJC Mtg)*** ***Project ID No: IMU R 109/2013 (File II)*** | *RM30,000.00****\*(Grant will be partly taken from FRGS Project ID No. IMU R109/2013)*** |
| ***Approved @ 97th IMUJC Meeting on 30 April 2015*** |
| 6 | **Dr Wong Shew Fung (IMU);** Lo Sing Gee (MSc Student, IMU) Prof Mak Joon Wah; Dr Ivan Yap Kok Seng (IMU); Prof Ng Kee Peng (UM)  | *In Vitro* **Elucidation of the Mechanism on How** *Cladosporium sphaerospermum* **Establish Respiratory Allergies *\*MSc Project*** *(Rec’d on 10 March 2015)****October 2014 – April 2016 (18 months)******Approved: IMUJC 300415 (97th IMUJC Mtg)*** ***Project ID No: IMU R 106/2013 (File II)*** | *RM40,000.00****\*(Grant will be partly taken from FRGS Project ID No. IMU*** ***R106/2013)*** |
| ***Approved @ 98th IMUJC Meeting on 7 May 2015*** |
| 7 | ***Dr Megan Chong Hueh Zan (IMU)****;* ***Melissa Leong En Ying (MSc Student, IMU);*** *Prof Khor Geok Lin (IMU); A/Prof Loke Seng Cheong (UPM)* | Vitamin D Supplementation and Parathyroid Hormone (PTH) Response among Malaysian Female Adults *\*MSc Project - (Rev/Rec’d on 15 May 2015)****June 2015 – December 2016 (19 months)******Approved: IMUJC 070515 (98th IMUJC Mtg)******Project ID No: IMU R 146/2014 (File II)*** | ***RM68,500.00****(\*Grant will be partly taken from FRGS Project ID No. IMU R146/2014)* |
| ***Approved @ 103rd IMUJC Meeting on 27 August 2015*** |
| 8 | Dr Ooi Ing Hong (IMU); Wong See Kiat (MSc Student, IMU) | Synthesis, Characterisation and Evaluation of Star-Branched Folate-Conjugated PLLA-PEG Block Copolymers as Nanocarriers for Targeted Drug Delivery \**[MSc Project Sponsored by MOSTI EScience Grant No: IMU R 122/2013]**(Rev/Rec’d on 3 Sept 2015)****August 2015 – January 2017 (18 months)******Approved: IMUJC 270815 (103rd IMUJC Mtg)******Project ID No: IMU R 122/2013 (File II)*** | *RM115,827.00* |
|  |  ***Dr Mai Chun Wai (IMU);*** *Prof Peter Convey (British Antarctic Survey, UK)*  | **The Anti-Fungal Effects of Bacteria Isolated from Antarctic Soils** ***\*Staff Project – Funded by YPASM (Rev/Rec’d on 3 Sept 2015)******October 2015 – April 2016 (7 months)******Approved: IMUJC 270815 (103rd IMUJC Mtg)******Project ID No: IMU R 166/2015*** | *RM49,949.10*  |
| ***Approved @ 104th IMUJC Meeting on 28 September 2015*** |
| **NO.** | **PROJECT** **LEADER/INVESTIGATORS** | **PROJECT TITLE & GRANT NO.** | **AMOUNT (RM)** |
|  | Dr Ivan Yap Kok Seng; Dr Chong Chun Wie (IMU) *(\*collaboration with UPM)* | Identification of Early Diagnostic and Prognostic Biomarkers for Human Leptospirosis through Systems Biology Approaches Encompassing clinical, Biiochemical, Proteomics, Transcriptomics, Metabolomics and Immunological Aspects***Sept 2015 – Aug 2018 (36 months)******Approved: IMUJC 280915 (104th IMUJC Mtg)******Project ID No: IMU R 167/2015 (LRGS)*** | *RM312,200.00* |
|  | Prof Teng Cheong Lieng (IMU-PI); Dr Chan Chun Wai (IMU); Dr Siti Zubaidah Mohd Ali (KKS’ban) ***\*\*The Sponsor have decided to discontinue with the project as per email/letter dated 19 October 2015 received from the Sponsor*** . | A 26-Week, Randomized, Active-Controlled Safety Study of Double-Blind Formoterol Fumarate in Free Combination with an Inhaled Corticosteroid versus an Inhaled Corticosteroid in Adolescent and Adult Patients with Persistent Asthma. *\*Staff Project (Sponsored by Novartis) (Rec’d on 5 August 2015)****Sept 2015 – May 2018 (33 months)******Approved: IMUJC 280915 (104th IMUJC Mtg)*** | RM119,926.00 |
|  | Dr Venkata Srikanth Meka (IMU); Dr Rakesh Kumar Takade; Dr Nagashekhara Molugulu; Mr Sivaram Nallamolu (IMU)  | Formulation Development of Stable Enteric-Coated Tablet of Herbal Active Pharmaceutical Ingredient *\*Industrial Consultancy Work with InQPharm Group S/B) (Rec’d on 10 Sept 2015)****October 2015 – August 2016 (11 months)******Approved: IMUJC 280915 (104th IMUJC Mtg)******Project ID No: IMU R 168/2015 (InQPharm)*** | RM57,420.20 |
|  | Dr Chye Soi Moi (IMU); Ms Yeoh Pei Ling (MSc Student, IMU); Dr Koh Rhun Yian; Dr Kenny Voon Gah Leong (IMU); Dr Ng Khuen Yen (Monash Uni Sunway Campus)  | Investigation of the Role of MiRNA-331-5p in Apoptosis and Dopamine Synthesis in Parkinson’s Disease Model *\*MSc Project (Sponsored by Monash Uni) (Rev/Rec’d on 5 Oct 2015)****Sept 2015 – August 2017 (24 months)******Approved: IMUJC 280915 (104th IMUJC Mtg)******Project ID No: IMU R 169/2015 (Monash Uni)*** | RM50,000.00 *[Grant is from Monash University]* |
| ***Vetted & Approved for Submission to FRGS at IMUJC Meeting on 11 June 2015******\*\*Approved by FRGS (MoHE) re email dated 7 October 2015 (FRGS Phase 1/2015)*** |
|  | Dr Subrat Kumar B (IMU); Dr Gan Sook Yee; Dr Mayuren Candasamy; Dr Shadab Md (IMU); Prof Dato’ Dr Abu Bakar Abdul Majeed (UiTM)  | Antidiabetic Activity of Catalpol on High Fat Diet/Streptozotocin Induces Type-2 Diabetes Mice by Improving Insulin Sensitivity and Mitochondrial Function *\*FRGS Ph 1/2015 Project (Rec’d on 1 June 2015)****Sept 2015 – August 2017 (24 months)******Approved: MoHE 071015 (Vetted: IMUJC 110615)******Project ID No: IMU R 170/2015 (FRGS Ph1/15)*** | RM99,200.00 |
| **NO.** | **PROJECT** **LEADER/INVESTIGATORS** | **PROJECT TITLE & GRANT NO.** | **AMOUNT (RM)** |
|  | Dr Ivan Yap Kok Seng (IMU); Dr Chong Chun Wie; Dr Mai Chun Wai; A/Prof Patricia Lim Kim Choon; Dr Wong Siew Tung (IMU); Prof Nor Hadiani Ismail (UiTM) | System Biology Comparison between Mice with Single and Co-Infection from *Toxoplasma gondii* and *Trypanosoma evansi \*FRGS Ph 1/2015 Project (Rec’d on 1 June 2015)****October 2015 – March 2018 (30 months)******Approved: MoHE 071015 (Vetted: IMUJC 110615)******Project ID No: IMU R 171/2015 (FRGS Ph1/15)*** | RM162,000.00 |
|  | Dr Rakesh Kumar Tekade (IMU); Prof Mallikarjuna P Rao; Dr Ooi Ing Hong; A/Prof Tan Eng Lai (IMU)  | A Novel Strategy to Overcome Endosomal Degradation of Gene Therapeutics *\*FRGS Ph 1/2015 Project (Rec’d on 1 June 2015)****January 2016 – Dec 2017 (24 months)******Approved: MoHE 071015 (Vetted: IMUJC 110615)******Project ID No: IMU R 172/2015 (FRGS Ph1/15)*** | RM133,000.00 |
|  | Dr Venkata Srikanth Meka (IMU); Dr Mahiran Binti Basri (UPM); Prof Mallikarjuna Rao Pichika; Dr Ooi Ing Hong; Dr Shadab Md; A/Prof Dr Kang Yew Beng (IMU)  | Investigation on the Mechanomutable Properties of a BioSourced Polymer: *Ceiba Pentandra* *\*FRGS Ph 1/2015 Project (Rec’d on 29 May 2015)****January 2016 – December 2017 (24 months)******Approved: MoHE 071015 (Vetted: IMUJC 110615)******Project ID No: IMU R 173/2015 (FRGS Ph1/15)*** | RM101,000.00 |
| **TOTAL as at September 2015** | **RM1,636,669.30** |
| **Vetting Process as at September 2015 (as below)** | **RM9,000.00** |

**EXTERNAL PROJECTS VETTED AND APPROVED BY THE IMU JOINT-COMMITTEE ON RESEARCH**

**AND ETHICS (2015)**

**Approved @ 91st IMUJC Meeting on 22 January 2015**

**1. Effects of** *triacylglycerol***Stereo-Specificity on Markers of Cardiovascular Disease, Fat Deposition and
 Plasma Leptin in Male C57BL/6 Mice *\*MPOB Project*** *(Rev/Rec’d on 6 February 2015)*

A/Prof Tony Ng Kok Wai (IMU); Datuk Dr Choo Yuen May (MPOB); Tan Sri Dr Augustine Ong (MOSTA Council); Dr Voon Phooi Tee; Dr Darren Gouk Shiou Wah; Dr Teh Soek Sin; 2 Staff (MPOB)

 Grant Amount: RM97,500.00 Duration: Jan 2015 – June 2015 (6 months)

 ***Note: Administrative Service Fees of RM3,000 was charged for the vetting of the above project.***

**Approved @ 103rd IMUJC Meeting on 27 August 2015**

2. **Multicentre Studies on the Effect of Positional Distribution of Fatty Acids at the Triglyceride Backbone of Vegetable Oils on Fat Deposition and Selected Health Outcome Measures – Malaysia**

 ***\*External Project (MPOB)***

 ***YBhg Datuk Dr Choo Yuen May (PI-MPOB);*** *Tan Sri Prof Emeritus Dr Augustine Ong (Co-PI-MPOB); Dr Voon Phooi Tee (MPOB);* ***A/Prof Dr Tony Ng Kock Wai;*** *A/Prof Dr Verna Lee Kar Mun (IMU); A/Prof Dr Norhaizan Mohd Esa (UPM); Dr Teh Soek Sin; Dr Yap Sia Yen; Ms Ng Yen Teng (MPOB)*

 *Grant Amount: RM1,311,589.00 Duration: September 2015 – August 2017 (24 months)*

***Note: Administrative Service Fees of RM3,000 was charged for the vetting of the above project.***

3. **Multicentre Studies on the Effect of Positional Distribution of Fatty Acids at Triglyceride Backbone on Serum Lipids, Lipoprotein(a) and LDL-Subclasses in Healthy Malaysian Volunteers**

 ***\*External Project (MPOB)***

 ***YBhg Datuk Dr Choo Yuen May (PI-MPOB);*** *Tan Sri Prof Emeritus Dr Augustine Ong (Co-PI-MPOB);* ***A/Prof Dr Tony Ng Kock Wai (IMU);*** *Dr Kanga Rani S; Dr Darren Gouk Shiou Wah; Ms Radhika Loganathan; Ms Gowri Nagapan; Pn Fatmawati Othman; Pn Noraqmar Shafie; Mr Ong Thean Huat; Mr Adli Izam; Mr Ghazali Abd Razak (MPOB)*

 *Grant Amount: RM493,000.00 Duration: August 2015 – July 2017 (24 months)*

 ***Note: Administrative Service Fees of RM3,000 was charged for the vetting of the above project.***

*MJW:CWL:rose*

*Projects Approved by IMU-JC for External Funding (Sponsored Projects)*

*As at 1 October 2015*