

RESEARCH GARDEN HEALTH & WELLBEING CoRe 2017

“Enriching Health Research via
Sustainable Ecosystem”

CHEN AI HONG
MUHAMAD FAIRUZ AZMI

Vision & Mission

Health and Wellbeing Research Community (HW CoRe) embraces researchers in Universiti Teknologi MARA focusing on health-related research from promoting healthy lifestyle & preventive health care; treatment & rehabilitation; to sociology & community welfare.

HW CoRe aims to enhance health research prominence in UiTM by engaging in good quality research, revolution in innovation, high impact publication, outstanding postgraduates, esteemed industry networking and proficient income generating consultancy. Research culture as a lifestyle is always nurtured with researchers under the umbrella of HW CoRe.

Theme 2017
“Enriching Health Research via Sustainable Ecosystem”



Prof Dr Chen Ai Hong
Director
Communities of Research (Health & Wellbeing)
Institute of Research Management & Innovation (IRMI)
Universiti Teknologi MARA



Dr Muhamad Fairuz Azmi
Coordinator
Communities of Research (Health & Wellbeing)
Institute of Research Management & Innovation (IRMI)
Universiti Teknologi MARA

HW CoRe Technical Committee



Dr Mohammad Johari Ibrahim
Faculty of Medicine



Mohd Aizat Abdul Rahim
Faculty of Dentistry



Mohd Hafizi Mahmud
Faculty of Health Sciences



Mohd Maaruf Abdul Malik
Faculty of Dentistry



Mohd Ramadan Ab Hamid
Faculty of Health Sciences

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Foreword

Align with the MoHE's R&D Roadmap: Value Chain Pathway [2007-2009: Laying the foundation; 2010-2015: Enhancing performance; 2016-2025: Delivering excellence], Health & Wellbeing CoRe organizes a series of research activities that advocate talent development, wealth creation, research prominence and bridging the grand challenges through "Sharing for Research Excellence in Health & Wellbeing (SHARE@HW)" as well as "Health & Wellbeing CoRe MyRA Enhancing Workshop (MEW@HW)" throughout 2017. We aspire to strike a balance between High Tech and High Touch to promote respected, referred and relevant people growth in Health Research. Let us work as a team to groom the Health & Wellbeing Family and put UiTM in the world map.

Prof Dr Chen Ai Hong
Director,
Communities of Research (Health & Wellbeing)
Institute of Research Management & Innovation (IRMI)
Universiti Teknologi MARA





About Health & Wellbeing CoRe



Health & wellbeing CoRe focuses on research to enhance quality of life especially in the scope of health and wellbeing. Our ultimate aspiration is to create a balanced and comprehensive platform within the HW CoRe for researchers who share the same passion and enthusiasm to facilitate effective, efficient and harmonious communication to drive outstanding health and wellbeing research. Health research covers both clinical and pre-clinical research ranging from basic medical research, animal research, applied research and translational research to clinical research that conducted to support the development of knowledge in health issues. Health research in UiTM covers many disciplines of clinical and health sciences, from basic medical sciences, clinical sciences (medical, surgical, and associate health sciences), to community medical prevention, health related policies and health system enhancement. HW CoRe also encompasses non-S&T sub-disciplines that relate to and support health research, for instance cost-benefit studies, health management and investments, medico-legal and ethical issues, health product design and packaging, health tourism, good manufacturing practice etc. and encourages but not limited to cross-disciplinary health related studies with business, management, law, and even engineering faculties etc.

Related research areas:

Scopes	Sub-Research Areas
Health Research	Pre-clinical Research: Bioinformatics, Computational Biology, Medical Molecular Biotechnology, Medical Microbiology, Nanotechnology, Natural Product, Parasitology, Pathology, Physiology etc
	Clinical Research: Atherosclerosis, Cardiovascular Diseases, Clinical Pharmacy, Dental Implantology, Environmental Health, Food-Water-Energy Security, Forensic Science, Geriatrics, Gerontology, Endocrinology, Health Diagnostics & Prognostics, Hepatobiliary& Gastrointestinal Diseases, Infection & Immunology, Medical Imaging, Neuroscience, Nursing Science, Nutrition, Occupational Health, Oncology, Optometry & Vision Sciences, Pediatrics, Personalized Medicine, Pharmacy Practice, Physiotherapy, Primary Care & Health Service, Psychiatry, Space Medicine, Surgery, Tropical Medicine, etc.
Wellbeing Research	Health focus wellbeing research: Health Economics, Health Management & Investments, Health Policy, Health Product Design & Packaging, Health Promotion & Management, Health Tourism, Medical Education, Medical Ethics & Humanities, Medical Informatics, Medico-Legal & Ethical Issues, Preventive & Therapeutic Health Care Services etc.
	Broad Focus Wellbeing Research: The causes and effects of wellbeing; Wellbeing policy; Qualitative and quantitative approach to address research questions of contemporary relevance to health and wellbeing from social science perspectives such as anthropology, sociology, history, epidemiology, public policy and psychology; Research on how different life circumstances and situations contribute to the overall quality of life across the life cycle such as wealth, employment, built environment, physical & mental health, education, recreation and leisure time, and social belonging etc.

Health & Wellbeing (HW) is one of the seven communities of research in Universiti Teknologi MARA (UiTM). HW CoRe comprised of 462 academic staff. There are one research center and 14 research interest groups under HW CoRe.

- ❖ Bone
- ❖ Cellular Stress Dynamics
- ❖ Clinical & Rehabilitation Exercise
- ❖ Coordination Chemistry
- ❖ Diagnostic Molecular Microbiology
- ❖ Eco-Bio-Social Research on Dengue
- ❖ Infectious Diseases
- ❖ Interprofessional Oral Health and Dental Education (IDEA)
- ❖ Maternofetal & Embryology (MatE)
- ❖ Maxillofacial Implants
- ❖ Optometry & Visual Sciences (iROViS)
- ❖ Oral & Maxillofacial Cancer
- ❖ Stemcell & Regenerative Medicine
- ❖ Synthesis Biology, Engineering & Regeneration (SYBER)
- ❖ Women Wellness

These research center and research interest groups are comprised of dynamic and enthusiastic researchers who play a crucial role in driving high quality research and stimulating international and industry collaborations to enhance global health ecosystem. They are not only good at intra-disciplinary research, but also stretching their wings into cross-disciplinary, multi-disciplinary, inter-disciplinary and trans-disciplinary research. Their research reaches out to community nationally, regionally and globally.

Research Garden Health & Wellbeing CoRe 2017 aims to showcase various research activities & achievements among the research center and research interest groups. Research highlights in international and industrial collaborations reflects the expertise and strength of our researchers. This book provides an overview in our health research to any interested parties from the academia, industry and government agencies for potential and impactful collaborations and partnerships.

Research Garden Activities Health & Wellbeing CoRe



HW CoRe works very closely with their 462 researchers through collaborative research activities with faculties, research centre and research interest groups. HW CoRe helps budding researchers through series of hand-holding research apprentice workshops. We constantly robe in experience researchers to be a part of our effort to assist the HW research grooming program. We also facilitate outstanding researchers in their research visibility and networking through research garden activities under Health & Wellbeing CoRe.



HW CoRe Roadshow: Deputy Director General of Higher Education, Deputy Vice Chancellor, Rector Selangor, Dean & Deputy Dean Faculty of Medicine UiTM.

Working with the faculties to build sustainable health research ecosystem....



FACULTY OF
MEDICINE
Universiti Teknologi MARA



UNIVERSITI
TEKNOLOGI
MARA



HEALTH &
WELLBEING
COMMUNITY OF RESEARCH (CORE)

SHARING FOR RESEARCH EXCELLENCE IN HEALTH & WELLBEING (SHARE @ HW 1.0)

An Hour With RSD Winners - Getting International Research Grants

27 February 2017 | Monday | 1.00 pm - 2.00 pm
Seminar Room MERDU, Level 3,
Academic Building, Faculty of Medicine
Sungai Buloh Campus

Forum Panel :



Assoc. Prof. Dr.
Sushil Kumar R Vasudevan

Organised by :

1. Research, Networking & Innovation Secretariat Faculty of Medicine
2. Community of Research Health & Wellbeing, IRMI



**LUNCH
PROVIDED**

RSVP | Ameer Aizad | 03 6126 7006/7025 | ameerazad2885@salam.uitm.edu.my



Sharing for Research Excellence in Health &
Well being

(SHARE@HW) 1.0

An Hour With RSD Winners – Getting International
Research Grants

Assoc. Prof. Dr Sushil Kumar R Vasudevan
Faculty of Medicine | 27 February 2017





FACULTY OF
MEDICINE
UNIVERSITI TEKNOLOGI MARA



UNIVERSITI
TEKNOLOGI
MARA



HEALTH &
WELLBEING
COMMUNITY OF RESEARCH (CORE)

SHARING FOR RESEARCH EXCELLENCE IN HEALTH & WELLBEING (SHARE @ HW 2.0)

An Hour With RSD Winners - Getting Industrial Research Grants

17 APRIL 2017 | Monday | 1.00 pm - 2.00 pm
Seminar Room MERDU, Level 3,
Academic Building, Faculty of Medicine
Sungai Buloh Campus

Speaker :



Dr. Ahmad Izuanuddin Ismail
Gold medalist in Highest Amount of Industrial Grant
during Research Summit Day (RSD) 2017

Organised by :

1. Research Secretariat Faculty of Medicine
2. Community of Research Health & Wellbeing, IRMI

**LUNCH
PROVIDED**

RSVP | Ameer Aizad | 03 6126 7006/7025 | ameerazad2885@salam.uitm.edu.my



Sharing for Research Excellence in Health &
Well being

(SHARE@HW)

3.0

HW Mini Forum— **Amplifying Research via
Group Research**
Prof Dr Zakiah Ahmad & AP Dr Fazah Akhtar
Hanapiah

Faculty of Dentistry | 3 May 2017





HEALTH & WELLBEING
Research Institute for Health & Wellbeing

Faculty of Dentistry

FRESH TALK

20 Oct 2017
Venue: Faculty Of Dentistry

Lecture 1: Entiti Kecemerlangan – What You Need To Know

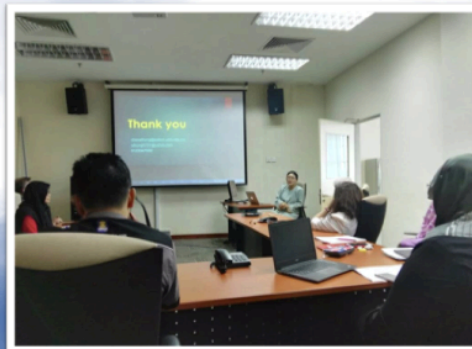
Lecture 2: Consultancy ICONS vs Income





**Pembentangan Cadangan Kerjasama Antara HW
CoRe dan Journal of Clinical & Health Science
(JCHS), Faculty of Medicine
22 Ogos 2017**

JCHS




**Workshop on
APEC-PPSTI Fund**

Asia-Pacific Economic Cooperation (APEC)
Policy Partnership on Science, Technology and Innovation (PPSTI)

April 7, 2017 | Friday
9AM – 11.30AM | Breakfast

IRMI | Topaz Meeting Room, Lvl 3
Bangunan Wawasan, UTM Shah Alam


Facilitators:

 **Dr. Fairuz**  **Dr. Geetha**  **Dr. Murtadha**

Priority Areas

- Fostering Sustainable, Innovative and Inclusive Growth
- Deepening Regional Economic Integration
- Strengthening Malaysian SME's Competitiveness and Innovation in the Digital Age
- Enhancing Food Security and Sustainable Agriculture in Response to Climate Change

For more information:
<http://rmc.uitm.edu.my/>

 **UNIVERSITI
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MARA**  **IRMI** Institute of
Research Management
& Innovation



JCHS
**FACULTY OF
MEDICINE**
Universiti Teknologi MARA
**HEALTH &
WELLBEING**
COMMUNITY OF RESEARCH (CORE)

MANUSCRIPT WRITING WORKSHOP


 3rd -5th October 2017

 MERDU seminar room, Level 3,
Academic Building, Sg Buloh campus.


Working with EK leaders to strategize research...





UNIVERSITI
TEKNOLOGI
MARA

Faculty of Dentistry



HEALTH & WELLBEING
Communities of Research (CoRe)

INVITATION TO ALL RESEARCHERS

**HEALTH & WELLBEING
MINI FORUM:
AMPLIFYING
RESEARCH VIA GROUP
RESEARCH.**

WHEN
3rd May, 2017
10am – 3pm

WHERE
Al-Zahrawi Seminar
Level 2,
F. Dentistry, UiTM

**INVITED
SPEAKERS:**



Prof Dr Zakiah Ahmad,
Director
Institute for
Infrastructure
Engineering and
Sustainable
Management



**Assoc. Prof Dr Fazah
Akhtar Nanapiah,**
Deputy Dean
(Linkages, Innovation
and Alumni) Faculty of
Medicine

Please confirm your participation **BEFORE Tuesday, 2nd May 2017, 3.00pm**
by contacting Norashikin Salleh at 03-6126 6509 or email :
norashikin406@salam.uitm.edu.my

Multidisciplinary Research Brainstorm...



Team work within the IRMI...



International networking for visibility...





Research Highlights Health Wellbeing CoRe



HW CoRe
EK Tier 4
Research Centers

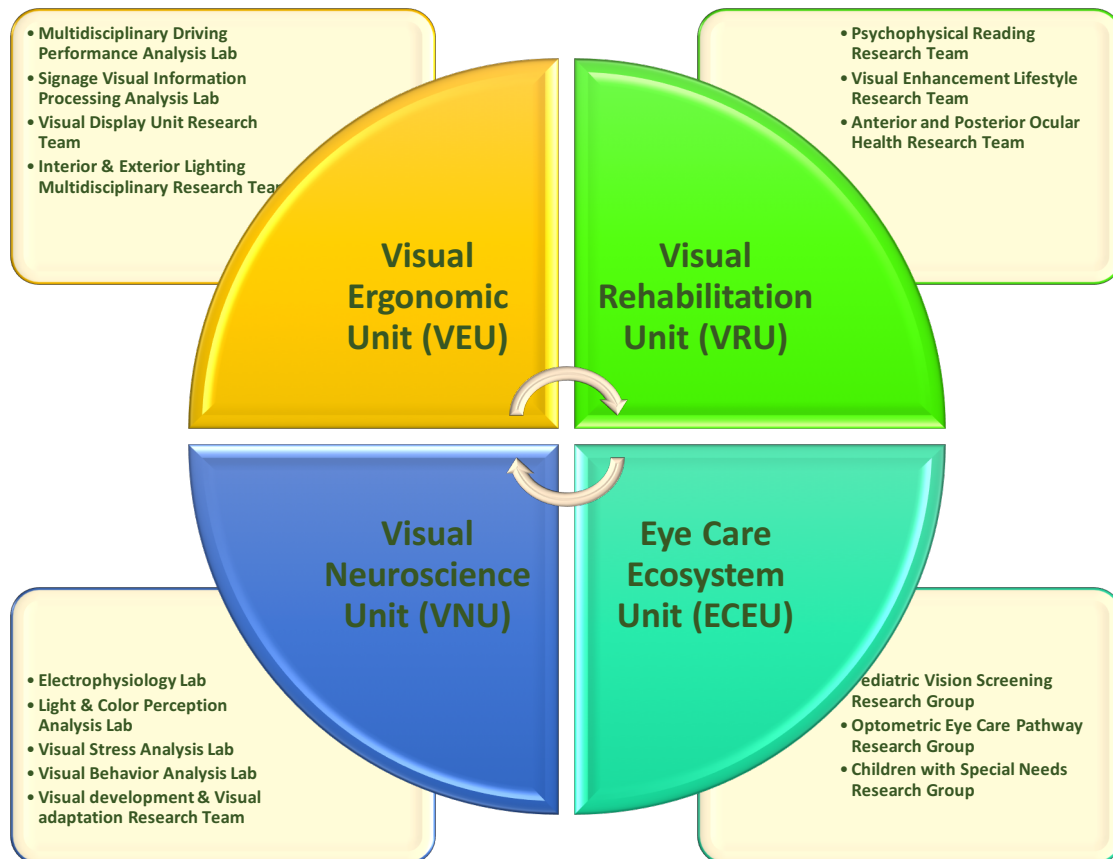
Optometry & Visual Sciences (iROViS)



EK Information

Name of EK	:	Centre for Research in Optometry & Visual Sciences (iROViS)
Registration Code	:	CoRe1/T4/2014(1)/HW(1)
Leader	:	Prof. Dr. Chen Ai Hong
Registered Faculty	:	Faculty of Health Sciences
UiTM Niche Area	:	Health & Wellbeing
RIG Niche Area	:	Optometry and Visual Science

Niche Area and relevance of EK



Members



NAME	ACADEMIC QUALIFICTION	FACULTY	AREA OF EXPERTISE
Prof Dr Chen Ai Hong	PhD	Faculty of Health Sciences	Eye Care Ecosystem
Dr. Muhammad Akram Adnan	PhD	Faculty of Civil Engineering	Traffic and transportation engineering
Azmir Ahmad	Master	Faculty of Health Sciences	Visual Ergonomic
Noor Halilah Buari	Master	Faculty of Health Sciences	Visual Rehabilitation
Saiful Azlan Rosli	Master	Faculty of Health Sciences	Visual Neuroscience
Ahmad Mursyid Ahmad Rudin	Master	Faculty of Health Sciences	Ocular Health

Achievements

ACHIEVEMENT	2009-2017
Master Degree – Enrolled/On-Going	7
Master Degree - Graduated	2
PhD – Enrolled/On-Going	5
PhD – Graduated	1
No. of research grants	31
Total value of research grants (RM)	2 juta Internal (RM455,000) External (RM1,296,065)
Total publication	4 books, 11 chapters in book, 36 indexed Journal, 13 non indexed journal
IPR (Patent, Industrial design, Copyright)	30 copyright
No. Of Consultancy/ Industrial Linkage/ Collaboration (National & International)	38
No. Of Membership Of Professional Bodies And Associations (National & International)	22
No. Of Special Invitation/ Appointment/ Expertise	115

(National & International) Incl. Keynote Speaker, Invited Speaker, Thesis Examiner, Judge, Reviewer, Panel, Etc.)	
No. Of Awards/ Recognition And Appreciation (National & International)	18

Research Activities Highlights



International collaboration



Hoya



Japan



Nigeria



Germany



Switzerland



United States

INDUSTRY networking



HW CoRe

EK Tier 5

Research Interest Groups

Bone

BONE RESEARCH INTEREST GROUP (RIG)

MEMBERS

DR. NURAILA ABD. WAD (HEAD)

DR. ALATTAWIDHI IZZAH

DR. KHAI DOORI HISHAM

DR. SHAHRINO FARUQ AZMI

DR. NIZAR AL-RHATEEB

DR. SAHERA @ ZAKIR CH. THANI

DR. AISHA ZIN

EXTERNAL ADVISOR

PROF. DR. GABRIELE RUTH ANISIH PROBOWO

STUDENTS

Muhammad Nasyih

Muhammad M. Shariq

Izzah Nuraina Nasser

Syarif Nabilah Syahmi

Nur Fauzanah Wafid Zahedi

GRANTS

1. Interaction Between Multiple Environmental Stressors and Gene Expression in Human Osteoblast Cells (FROD 2018 FROD 2018).
2. Diabetes Induced Bone Fragility and Its Prevention by Adjunct Action of Selenium And Resveratrol With Melatonin (FROD 2018 FROD 2018).
3. Mechanisms Involved in H2O2 Induced Suppression of BMP-2 in Alveolar Infected Human Adipocytes (FROD 2018).
4. Synergistic Effects Of Oxidative Risk Agents On Telomerase Expression And Activity In Triple Negative Breast Cancer Cells (FROD 2018).
5. Potential Protective Mechanisms of Phytoestrogens Against Endoplasmic Reticulum Stress Induced Bone Loss Involving Rar1 Expression and Modulation of Estrogen Receptor (FROD 2018).
6. Unloading Mechanisms Of Cell and High Density Upregulation of BMP-2 And Adipogenic In Inducing Pericardial Calcification And Mitigation Of Osteoblast Function (FROD 2018 & IOP OR 2017 2017).
7. The potential anticancer mechanisms of Ronic Against Osteosarcoma Cells (FROD 2018).
8. The effects of Ronic on 3D culture of Osteosarcoma (RO 01: A Preliminary Study) (Lundia 2017).
9. Analysis of Promoter Methylated Genes Associated TNF- α Signaling Pathways in Human Oral Squamous Cell Carcinoma (FROD 2018).

PUBLICATIONS

1. Combination of melatonin and resveratrol hyperthermia activates caspase-dependent apoptosis in osteosarcoma cells in vitro & Al Attawidhi, AH Zin, AH Ismail, G Froemming, Osteoporosis International 27, 5716-5718, 2017.
2. Melatonin, genistein and the combination attenuate methylglyoxal induced inhibition of osteoblast differentiation and reduction in cell viability, GFA Froemming, N Shariq, & Al Khateeb, SA Fluid Osteoporosis International 27, 5745-5748, 2017.
3. Involvement of DCLSF3 hypermethylation in primary oral squamous cell carcinoma, GH Khan, GFA Froemming, RB Zain, TM Abraham, TK Lin, Asian Pac J Cancer Prev 17 (1), 219-223, 2016.
4. Oxidative stress induces promotes osteoblast maturation, proliferation and alkaline phosphatase activity in vitro MD Alota, MM Nor-Joshkin, MB Shariq, H Nasser et al. Experimental cell research 307 (1), 57-63, 2015.
5. In vitro degradation and cell viability assessment of Zn-Bioglyc for biodegradable bone implants, MS Dambatta, MS Murni, S Ismail, O Nuraisyah, GFA Froemming, H Nasser, Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2015.

AWARDS

1. IFER 2017 – GOLD MEDAL
2. IDEX 2017 – 1 GOLD & 1 BRONZE MEDAL
3. ICCO 2017 – 1 GOLD & 1 BRONZE MEDAL

IPR

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IOP 2017

International Conference on Clinical & Health Sciences

Nur Fauzanah Wafid Zahedi @ ICCO

Syarif Nabilah Syahmi

EK Information

Name of EK	:	BONE RIG
Leader	:	DR SUHAILA BT ABD MUID
Registered Faculty	:	MEDICINE
UiTM Niche Area	:	HEALTH AND WELL BEING
RIG Niche Area	:	Bone And Regenerative Research For Calcified Tissue And Associated Disorders

Niche Area and relevance of EK

This group is established to conduct on research related to bone and regenerative research for calcified tissue and associated disorders. This area of research is important as diseases related to bones and calcified tissue and their associated disorder are common in Malaysia such as osteoporosis and vascular calcification (advance stage of atherogenesis). Apart from that, this group has conducted research on osteosarcoma, the most common bone cancer. In order to improve quality of life among these patients we have investigated the effects of natural products such as black tea, green tea on osteogenesis and osteoclastogenesis and hypothermia in metformin treated osteosarcoma cells and others. Among current researchs in this group are to study the effects of Bisphenol A (BPA) on bone mineralisation and the potential of isoflavones to overcome the effects of BPA and the ability of oxidized HDL in causing vascular calcification. Apart from that, there is also a study on 3D culture model of osteosarcoma and the potential of nisin.....

Members



NAME	ACADEMIC QUALIFIACION	FACULTY	AREA OF EXPERTISE
Dr Suhaila Abd Muid	BSc, MSc, Ph.D	Medicine	Biochemistry
Dr. Alyaa R. Mahmood Al-Khateeb	M.B.Ch.B, MSc, Ph.D	Medicine	Biochemistry & Medical Genetics
Dr. Aletza Mohd Ismail	MB BCh BAO, Mpath	Medicine	Chemical Pathology
Dr Muhammad Fairuz Azmi	MBBS, MSc	Medicine	Anatomy
Dr Sahema @ Zar Chi Thent	MBBS, MSc	Medicine	Anatomy
Dr Aisha Din	BSc, MSc, Ph.D	Allied Health	Biochemistry
Prof. Dr. Gabriele Ruth Anisah Froemming (External Advisor)	BSc, MSc, Ph.D	Medicine, UNIMAS	Biochemistry & Molecular Medicine

Achievements

ACHIEVEMENT	2014-2016
Master Degree – Enrolled/On-Going	3
Master Degree - Graduated	16
PhD – Enrolled/On-Going	2
PhD – Graduated	6
No. of research grants	14
Total value of research grants (RM)	1,435,000
Total publication (Indexed Journals)	24
Total publication (Non-indexed Journals)	9
IPR (Patent, Industrial design, Copyright)	4
No. Of Consultancy/ Industrial Linkage/ Collaboration (National & International)	5
No. Of Membership Of Professional Bodies And Associations (National & International)	12
No. Of Special Invitation/ Appointment/ Expertise (National & International) Incl. Keynote Speaker, Invited Speaker, Thesis Examiner, Judge, Reviewer, Panel, Etc.)	20
No. Of Awards/ Recognition And Appreciation (National & International)	10

Research Activities Highlights



Clinical & Rehabilitation Exercise (CRErg)




**CLINICAL REHABILITATION AND EXERCISE
RESEARCH GROUP (CRErg)**
 Faculty of Health Sciences, Universiti Teknologi MARA,
 Puncak Alam Campus, 42300 Puncak Alam, Selangor,
 Malaysia

NO	NAME	FACULTY	AREA OF EXPERTISE
1	DR RIZQI RAZZIK ABD MANAF	FACULTY OF HEALTH SCIENCES	PHYSIOTHERAPY
2	DR NORAZMIN BIL NOE		NUTRITION
3	DR HAFIZ RASHIDZAL ABD RAZAK		MEDICAL IMAGING
4	DR WAN IMZULINA MO SAAD		MEDICAL LAB TECHNOLOGY
5	DR AHMED ZAMIR CHE DRUD	FACULTY OF APPLIED SCIENCES	OCCUPATIONAL THERAPY
6	POP MADYA DR AHMAD TRAFIK ABDUL RAHMAN		RADIATION PHYSIC
7	DR RAJA MOHAMMED FIRHAN RAJA AZEEN	FACULTY OF SPORT SCIENCE AND RECREATION	SPORT SCIENCE









ACHIEVEMENT	
Master Degree – Enrolled/On-Going	14
Master Degree - Graduated	2
PhD – Enrolled/On-Going	2
PhD – Graduated	-
No. of research grants	8
Total value of research grants (RM)	RM475,854
Total publication (Indexed Journals)	16
Total publication (Non-indexed Journals)	-
IPR (Patent, Industrial design, Copyright)	-
Awards	3
Collaboration	2







EK Information

Name of EK	:	Clinical Rehabilitation And Exercise Research Group
Leader	:	Dr Mohd Haidzir Abd Manaf
Registered Faculty	:	Faculty Of Health Sciences
UiTM Niche Area	:	Health And Wellbeing
RIG Niche Area	:	Rehabilitation For People With Physical Disabilities

Niche Area and relevance of EK

We are working towards excellence in fundamental research, leading to applications in clinical and rehabilitation exercise through collaboration locally, nationally and internationally. Our research makes positive changes to the people of all ages and physical disabilities.

Achievements

ACHIEVEMENT	2014-2016
Master Degree – Enrolled/On-Going	14
Master Degree - Graduated	2
PhD – Enrolled/On-Going	2
PhD – Graduated	-
No. of research grants	10
Total value of research grants (RM)	RM475,854
Total publication (Indexed Journals)	16
Total publication (Non-indexed Journals)	-
IPR (Patent, Industrial design, Copyright)	-
No. Of Consultancy/ Industrial Linkage/ Collaboration (National & International)	2
No. Of Membership Of Professional Bodies And Associations (National & International)	2
No. Of Special Invitation/ Appointment/ Expertise (National & International) Incl. Keynote Speaker, Invited Speaker, Thesis Examiner, Judge, Reviewer, Panel, Etc.)	Invited Speaker – 2 Thesis Examiner – 5 Reviewer – 4 Appointment - 2
No. Of Awards/ Recognition And Appreciation (National & International)	3

Members

Members

NO	NAME	ACADEMIC QUALIFICATION	FACULTY	AREA OF EXPERTISE
1	DR MOHD HAIDZIR ABD MANAF	PHD	FACULTY OF HEALTH SCIENCES	PHYSIOTHERAPY
2	DR NORAZMIR MD NOR	PHD		NUTRITION
3	DR HAIRIL RASHMIZAL ABD RAZAK	PHD		MEDICAL IMAGING
4	DR WAN MAZLINA MD SAAD	PHD		MEDICAL LAB TECHNOLOGY
5	DR AHMAD ZAMIR CHE DAUD	PHD		OCCUPATIONAL THERAPY
6	POF MADYA DR AHMAD TAUFEEK ABDUL RAHMAN	PHD	FACULTY OF APPLIED SCIENCES	RADIATION PHYSICS
7	DR RAJA MOHAMMED FIRHAD RAJA AZIDIN	PHD	FACULTY OF SPORT SCIENCE AND RECREATION	SPORT SCIENCE



Research Activities Highlights


**UNIVERSITI
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MARA**

Photos of activities - Innovation






Photos of activities – Research Collaboration



Photos of activities – Postgraduate



Photos of activities – Awards



Photos of activities – Workshop



Coordination Chemistry


EK Information


Name of EK	:	COORDINATION CHEMISTRY GROUP
Leader	:	PROF DR HADARIAH BAHRON
Registered Faculty	:	FACULTY OF APPLIED SCIENCES
UiTM Niche Area	:	SUSTAINABLE TECHNOLOGY AND ECONOMY
RIG Niche Area	:	SYNTHESIS, CHARACTERIZATION AND APPLICATIONS OF METALLO-ORGANIC COMPOUNDS

Niche Area and relevance of EK


The Coordination Chemistry Centre focuses to feed the academic curiosity, thus contribute towards development of the field of fundamental research, where ligands with new architecture and their various metal complexes are designed, synthesized and characterized in the laboratory and investigated for their potential biological and physical applications.

Members







Hada




Yong




Ina



Shha



Hanom



Kerry

NO	NAME	ACADEMIC QUALIFICATION	FACULTY	AREA OF EXPERTISE
1	PROF DR HADARIAH BAHRON	PhD	AS	SYNTHESIS AND CHARACTERIZATION
2	DR YONG SOON KONG	PhD	AS	SOIL AND ENVIRONMENTAL CHEMISTRY
3	DR AMALINA MOHD TAJUDDIN	PhD	AS	HOMOGENEOUS AND HETEROGENEOUS CATALYSIS
4	DR MOHD SHIHABUDDIN AHMAD NOORDEN	PhD	PH	BIOACTIVITY
5	MRS SHADATUL HANOM RASHID	MSc	AS	CORROSION SCIENCE
6	DR KARIMAH KASSIM (Affiliated Member)	PhD	AS	SYNTHESIS AND CHARACTERIZATION

Achievements

ACHIEVEMENT	2014-2016
Master Degree – Enrolled/On-Going	6
Master Degree - Graduated	3
PhD – Enrolled/On-Going	7
PhD – Graduated	2
No. of research grants	18
Total value of research grants (RM)	1,300,800
Total publication (Indexed Journals)	20

Total publication (Non-indexed Journals)	15
IPR (Patent, Industrial design, Copyright)	10
No. Of Consultancy/ Industrial Linkage/ Collaboration (National & International)	15
No. Of Membership Of Professional Bodies And Associations (National & International)	20
No. Of Special Invitation/ Appointment/ Expertise (National & International) Incl. Keynote Speaker, Invited Speaker, Thesis Examiner, Judge, Reviewer, Panel, Etc.)	25
No. Of Awards/ Recognition And Appreciation (National & International)	5

Research Activities Highlights



Diagnostic Molecular Microbiology

EK Information

Name of EK	:	Diagnostics Molecular Microbiology
Leader	:	Dr. Jamal Houssaini
Registered Faculty	:	Medicine
UiTM Niche Area	:	Clinical/Molecular Microbiology
RIG Niche Area	:	Diagnostic Molecular Microbiology

Niche Area and relevance of EK

The rapid medical diagnostic kits market is experiencing impressive growth globally because of the continuous increase in demand for preventive management of infectious diseases. Since its introduction, rapid medical diagnostic kits are becoming a vital part of the medical diagnostics industry and the scope of this market has been perpetually increasing in terms of detectable diseases and adoption by end users.

Global scenario

Rapid, Affordable, Easy to use, high quality diagnostics kits are in great demand

Niche area : Diagnostic Molecular Microbiology

Members



Members

NO	NAME	ACADEMIC QUALIFICATION	FACULTY	AREA OF EXPERTISE
1	Dr. Jamal Houssaini	PhD	Medicine	Molecular Medical Microbiology
2	Dr. Wang Seok Mui	PhD	Medicine	Molecular Virology
3	Dr. Nurul Azira Mohd Shah	MBBS, MPATH	Medicine	Clinical Microbiology/immunology
4	Dr. Hassanain Al-talib	MBBS, PhD	Medicine	Clinical/Molecular Microbiology
5	Dr. Eddy Hasrul	PhD	Dentistry	Immunology, Microbiology
6	Dr Chua Ang Lim	PhD	Medicine	Molecular Medical Microbiology
7	Dr. Siti Farah Alwani	MBChB, MPATH	Medicine	Clinical/Molecular Microbiology
8				









Achievements

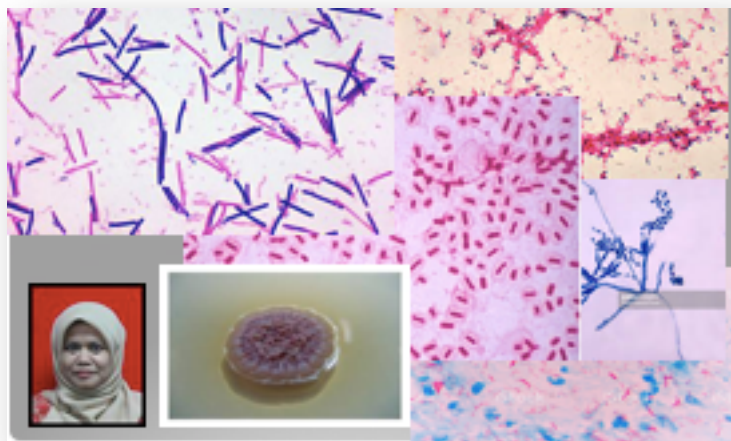
ACHIEVEMENT	2014-2017
Master Degree – Enrolled/On-Going	7
Master Degree - Graduated	2
PhD – Enrolled/On-Going	2
PhD – Graduated	5
No. of research grants	14
Total value of research grants (RM)	800,000.00

Total publication (Indexed Journals)	> 50
Total publication (Non-indexed Journals)	> 20
IPR (Patent, Industrial design, Copyright)	>20
No. Of Consultancy/ Industrial Linkage/ Collaboration (National & International)	0
No. Of Membership Of Professional Bodies And Associations (National & International)	15
No. Of Special Invitation/ Appointment/ Expertise (National & International) Incl. Keynote Speaker, Invited Speaker, Thesis Examiner, Judge, Reviewer, Panel, Etc.)	50
No. Of Awards/ Recognition And Appreciation (National & International)	20

Research Activities Highlights



Infectious Diseases Research Group (IDRG)



EK Information

Name of EK	:	Infectious Diseases Research Group
Leader	:	Assoc. Prof. Dr. Zaini Mohd Zain
Registered Faculty	:	Faculty of Medicine
UiTM Niche Area	:	Medical Microbiology
RIG Niche Area	:	Infectious Diseases


Niche Area and relevance of EK

The research areas of IDRG cover aspects of immunology, molecular epidemiology and disease modeling of the following infections:

- i) Respiratory infections (*Mycobacterium tuberculosis*, *Haemophilus influenzae* and *Streptococcus pneumoniae*)
- ii) Antibiotic associated infections (*Clostridium difficile*, multidrug resistance)
- iii) Fungal infections (non-albicans and *Penicillium marneffeii*)

Members

NO	NAME	ACADEMIC QUALIFICATION	FACULTY	AREA OF EXPERTISE
1	AP Dr. Zaini Mohd Zain	B.Sc., M. Phil., D.Phil	Medicine	Molecular Microbiology
2	Dr. Fadillah Mohd Nor@Ghazali	M.Path	Medicine	Clinical Microbiology
3	Dr. Navindra K. Palanisamy	BSc (Biomedical Science), Ph.D (Medical Microbiology)	Medicine	Molecular Microbiology
4	Dr. Farah Roslinda Mohd Rustam	MBChB, Master of Pathology	Medicine	Clinical Microbiology
5	Dr. Nurfuda Ismail	MD, MPH, DrPH	Medicine	Public Health & Population Medicine
6	AP Dr. Sharifah Aminah Syed Mohamed	Ph.D	Applied Sciences	Molecular Biology and Biotechnology



Achievements

ACHIEVEMENT	2014-2016
Master Degree – Enrolled/On-Going	5
Master Degree - Graduated	6
PhD – Enrolled/On-Going	3
PhD – Graduated	2
No. of research grants	11
Total value of research grants (RM)	1,642,870
Total publication (Indexed Journals)	38
Total publication (Non-indexed Journals)	28
IPR (Patent, Industrial design, Copyright)	3
No. Of Consultancy/ Industrial Linkage/ Collaboration (National & International)	National – 4 International - 1
No. Of Membership Of Professional Bodies And Associations (National & International)	9
No. Of Special Invitation/ Appointment/ Expertise (National & International) Incl. Keynote Speaker, Invited Speaker, Thesis Examiner, Judge, Reviewer, Panel, Etc.)	Thesis examiner: 5 Reviewer: 23 Panel: 3 Judge :1 Others: 15
No. Of Awards/ Recognition And Appreciation (National & International)	Outstanding abstract:1 Travel grants: 2 Best poster:2 Publication award:1 Others:1

Research Activities Highlights





FACULTY OF MEDICINE
Universiti Teknologi MARA
CAWANGAN KEDAH





**UiTM FOM-FSKM Kedah-KKM Collaborative Research Project
National MyTB version 2.1 Database Content Analytics**

Funders/Industrial partners:




National MyTB version 2.1 Database Content Analytics
Research Retreat MyTB Workshop 2017: MyTB1 – MyTB10



National MyTB version 2.1 Database Content Analytics
MyTB Research Output Appraisal Workshop 2017



National MyTB version 2.1 Database Content Analytics
Workshop on Modelling Communicable Disease Dynamics and Control
5-6 November 2017



Maternofetal & Embryology (MatE)



MATERNOFETAL AND EMBRYOLOGY (MatE) RESEARCH GROUP

ABOUT US

The Maternofetal and Embryology (MatE) Research Group was established in 2014 at the Faculty of Medicine and Engineering as an interdisciplinary unit under the Health and Wellbeing Community of Education. Its eight permanent members comprise a multidisciplinary staff consisting of the faculties of Medicine, and Health Sciences. The group is also strengthened by associate membership from the faculties of Health Sciences, Applied Sciences and Pharmacy. MatE research facilities are located at the Institute of Medical Molecular Biotechnology (IMMB), while the clinical services are at the UTM Sorotek Medical Centre, University Technology MARA Se Berani Campus.

MISSION AND VISION

The main aim of the Maternofetal and Embryology (MatE) Research Group is to promote an integral and collaborative in the study of maternal-fetal medicine, embryology and reproductive health. The MatE group facilitates research and dissemination of research findings to those allied to the general public, scientists, clinicians and patients.

It operates a community outreach program called MatE2U to improve reproductive health in rural and urban areas in Malaysia using ambulatory clinics and free-to-fore consultations. MatE also aims its work with policy making in Malaysia, strengthening the working and living health of the nation and improvement of personal and societal health.

MatE MEMBERSHIP

No.	Academic Position
1.	Professor & Medical Specialist (Maternal & Fetal) (Faculty of Medicine)
2.	Professor & Medical Specialist (Faculty of Medicine)
3.	Associate Professor & Specialist (Faculty of Medicine)
4.	Dr. Nuraini Abdul Halim (Faculty of Medicine)
5.	Dr. Nuraini Abdul Halim (Faculty of Medicine)
6.	Dr. Nuraini Abdul Halim (Faculty of Medicine)
7.	Dr. Nuraini Abdul Halim (Faculty of Medicine)
8.	Dr. Nuraini Abdul Halim (Faculty of Medicine)
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16.	Dr. Nuraini Abdul Halim (Faculty of Medicine)
17.	Dr. Nuraini Abdul Halim (Faculty of Medicine)
18.	Dr. Nuraini Abdul Halim (Faculty of Medicine)
19.	Dr. Nuraini Abdul Halim (Faculty of Medicine)
20.	Dr. Nuraini Abdul Halim (Faculty of Medicine)

AREAS OF INTEREST

Endometriosis
1. Endometriosis (Endometriosis)
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18. Endometriosis (Endometriosis)
19. Endometriosis (Endometriosis)
20. Endometriosis (Endometriosis)

POSTGRADUATE STUDENTS

No.	Name	Thesis Title
1.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
2.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
3.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
4.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
5.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
6.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
7.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
8.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
9.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
10.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
11.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
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13.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
14.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
15.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
16.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
17.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
18.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
19.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)
20.	Dr. Nuraini Abdul Halim (Faculty of Medicine)	Endometriosis (Endometriosis)

RESEARCH GRANTS

No.	Project Title	Year	Category	Researcher	Granting Body
1.	Endometriosis (Endometriosis)	2014-2015	Individual	Dr. Nuraini Abdul Halim	UTM
2.	Endometriosis (Endometriosis)	2015-2016	Individual	Dr. Nuraini Abdul Halim	UTM
3.	Endometriosis (Endometriosis)	2016-2017	Individual	Dr. Nuraini Abdul Halim	UTM
4.	Endometriosis (Endometriosis)	2017-2018	Individual	Dr. Nuraini Abdul Halim	UTM
5.	Endometriosis (Endometriosis)	2018-2019	Individual	Dr. Nuraini Abdul Halim	UTM
6.	Endometriosis (Endometriosis)	2019-2020	Individual	Dr. Nuraini Abdul Halim	UTM
7.	Endometriosis (Endometriosis)	2020-2021	Individual	Dr. Nuraini Abdul Halim	UTM
8.	Endometriosis (Endometriosis)	2021-2022	Individual	Dr. Nuraini Abdul Halim	UTM
9.	Endometriosis (Endometriosis)	2022-2023	Individual	Dr. Nuraini Abdul Halim	UTM
10.	Endometriosis (Endometriosis)	2023-2024	Individual	Dr. Nuraini Abdul Halim	UTM
11.	Endometriosis (Endometriosis)	2024-2025	Individual	Dr. Nuraini Abdul Halim	UTM
12.	Endometriosis (Endometriosis)	2025-2026	Individual	Dr. Nuraini Abdul Halim	UTM
13.	Endometriosis (Endometriosis)	2026-2027	Individual	Dr. Nuraini Abdul Halim	UTM
14.	Endometriosis (Endometriosis)	2027-2028	Individual	Dr. Nuraini Abdul Halim	UTM
15.	Endometriosis (Endometriosis)	2028-2029	Individual	Dr. Nuraini Abdul Halim	UTM
16.	Endometriosis (Endometriosis)	2029-2030	Individual	Dr. Nuraini Abdul Halim	UTM
17.	Endometriosis (Endometriosis)	2030-2031	Individual	Dr. Nuraini Abdul Halim	UTM
18.	Endometriosis (Endometriosis)	2031-2032	Individual	Dr. Nuraini Abdul Halim	UTM
19.	Endometriosis (Endometriosis)	2032-2033	Individual	Dr. Nuraini Abdul Halim	UTM
20.	Endometriosis (Endometriosis)	2033-2034	Individual	Dr. Nuraini Abdul Halim	UTM

EK Information

Name of EK	:	Maternofetal and Embryo Research Group
Leader	:	Professor Dr Nor Ashikin Mohamed Noor Khan
Registered Faculty	:	Faculty of Medicine
UiTM Niche Area	:	Health and Wellbeing
RIG Niche Area	:	Maternofetal Health and Embryology

Niche Area and relevance of EK

The main aim of the Maternofetal and Embryology (MatE) Research Group is to promote an interest, and collaboration in the study of maternofetal medicine, embryology and reproductive biology. The MatE group facilitates research and dissemination of research findings in these areas to the general public, scientists, clinicians and patients.

MatE organizes a community outreach program called MatE2U to improve reproductive health in rural and urban areas nationwide using online modalities and through face to face engagements. MatE also aims to work with policy-makers in Malaysia to promote the wellbeing and future health of the nation via improvement of parental and maternofetal health.

Members



NAME	ACADEMIC QUALIFICATION	FACULTY	AREA OF EXPERTISE
Professor Dr Nor Ashikin Mohamed Noor Khan	BSc, MPhil, PhD (Malaya)	Medicine	Embryology, Reproductive Biology
Professor Dr Mohd Hamim Rajikin	BSc, MSc, PhD (Malaya)	Medicine	Embryology, Reproductive Biology
Associate Professor Dr Suzanna Daud	MRCOG(UK), CCT(UK)	Medicine	General obstetrics

Dr Bahiyah Abdullah	MD (UKM), MObsGyn (Um), MRCOG (London)	Medicine	Urogynaecology
Dr Yuhaniza Kamsani Shafine	BSc, MSc, PhD (UiTM)	Medicine	Embryology, Reproductive Biology
Razif Dasiman	BSc, MSc (UiTM)	Health Sciences	Andrology. Reproductive Biology
Dr Mohamad Rodi Isa	MBBS (Malaya), MPH, DrPH (Malaya)	Medicine	Public Health
Dr Salmi Razali	MD (UKM), MMed Psych (UKM), PhD (Monash)	Medicine	Women and Perinatal Mental Health

Achievements

ACHIEVEMENT	
Master Degree – Enrolled/On-Going	12
Master Degree - Graduated	9
PhD – Enrolled/On-Going	13
PhD – Graduated	4
No. of research grants	34
Total value of research grants (RM)	1.5 million
Total publication (Indexed Journals)	31
Total publication (Non-indexed Journals)	12
IPR (Patent, Industrial design, Copyright)	14

No. Of Consultancy/ Industrial Linkage/ Collaboration (National & International)	13
No. Of Membership Of Professional Bodies And Associations (National & International)	21
No. Of Special Invitation/ Appointment/ Expertise (National & International) Incl. Keynote Speaker, Invited Speaker, Thesis Examiner, Judge, Reviewer, Panel, Etc.)	230
No. Of Awards/ Recognition And Appreciation (National & International)	48

Research Activities Highlights



Maxillofacial Implants

EK Information

Name of RIG	:	Maxillofacial Implants
Tier	:	5
Leader	:	Assoc. Prof. Dr. Rohana Ahmad
CoRe	:	Health and Wellbeing
Registered Faculty	:	Faculty of Dentistry
UiTM Niche Area	:	Health Sciences
RIG Niche Area	:	Implant Dentistry

Niche Area and relevance of EK

Maxillofacial Implants research group is formed to encourage research on new implant materials, configuration and behaviour under loading and investigate bone response when subjected to different clinical scenario.

- Many activities emphasize on the following areas:
 1. Development of new implant materials that result in low cost, high quality implants
 2. Investigation of bone osseointegration around the implants in rabbits model
 3. Clinical human trial of bone osseointegration of the new porous NiTi Implants
 4. Bone remodelling remote to the implants associated with removable prosthesis
 5. Biomolecular and genetic factors influencing bone remodelling

Members

NAMA	NO ID STAF	KELAYAKAN AKADEMIK	FAKULTI	BIDANG KEPAKARAN
ASSOC. PROF. DR. ROHANA AHMAD	204411	PhD	Pergigian	Prosthodontics & Implant Dentistry
DR. ZETHY HANUM MOHAMED KASSIM	245674	MClinDent	Pergigian	Prosthodontics & Implant Dentistry
DR. LIM TONG WAH	245632	MClinDent	Pergigian	Prosthodontics & Implant Dentistry
DR. SITI MARIAM AB GHANI	233783	MClinDent	Pergigian	Prosthodontics & Implant Dentistry
DR. TEH ADILLA MUSTAZA	233806	MClinDent	Pergigian	Prosthodontics & Implant Dentistry
ASSOC. PROF. DR. SOLEHUDDIN SHUIB	312455	PhD	Kejuruteraan Mekanikal	Biomedical Implants

Achievements

ACHIEVEMENT	2015	2016	2017

Master Degree – Enrolled/On-Going	5	6	6
Master Degree - Graduated	0	0	0
PhD – Enrolled/On-Going	1	1	2
PhD – Graduated	0	0	0
No. of research grants	3	4	5
Total value of research grants (RM)	372,374	404,374	692,000
Total publication (Indexed Journals)	5	6	6
Total publication (Non-indexed Journals)	4	5	7
IPR (Patent, Industrial design, Copyright)	0	0	1
No. Of Consultancy/ Industrial Linkage/ Collaboration (National & International)	0	0	1
No. Of Membership Of Professional Bodies And Associations (National & International)	5	6	7
No. Of Special Invitation/ Appointment/ Expertise (National & International) Incl.	7	9	14

Keynote Speaker, Invited Speaker, Thesis Examiner, Judge, Reviewer, Panel, Etc.)			
No. Of Awards/ Recognition And Appreciation (National & International)	2	3	2

Research Activities Highlights

+ Achievement 2017 for Porous Nitinol Dental Implant System Project



GOLD MEDAL AT PECIPTA 2017



GOLD MEDAL AT ITEX 2017



ANIMAL STUDY IN IPPT USM GLP CERTIFIED ANIMAL RESEARCH COMPLEX

Oral & Maxillofacial Cancer








EK Information

Name of EK	:	ORAL AND MAXILLOFACIAL CANCER RESEARCH GROUP
Leader	:	Dr Khor Goot Heah
Registered Faculty	:	Dentistry
UiTM Niche Area	:	HEALTH AND WELLBEING
RIG Niche Area	:	ORAL AND MAXILLOFACIAL CANCER

Niche Area and relevance of EK

- ❖ Understanding molecular mechanism of genes and proteins that associated with cancer development in oral and maxillofacial regions.
- ❖ Identifying biomarkers for diagnosis, prognosis and progression of oral and maxillofacial cancers.
- ❖ Identifying oral and maxillofacial cancers using of noninvasive techniques, eg ¹⁸F-Deoxyglucose (FDG) imaging is used to assess the proliferative activity of cancerous cells.
- ❖ Using reliable cancer biomarkers for linking herbal and drug responses by in-vitro and in-vivo studies.
- ❖ Identifying cancer growth inhibitors by drug discovery design using molecular docking and structure-based design.

Members

	Name	Faculty / Staff No.	Qualification	Area of Expertise
	Dr Khor Goot Heah (Leader)	Faculty of Dentistry 204437	BioMedSc, MDSc, PhD (Malaya)	Molecular Biology, Oral Sciences
	A/P Dr Effat Omar	Faculty of Medicine 224967	MBBCh, BAO, LRCP/SI (Ireland), M.Path (Anat Path)	Pathology
	A/P Dr Kazi Ahsan Jamil	Faculty of Dentistry 248079	BDS (Dhaka); PhD (Japan)	Nerrosience, Dentistry
	Dr. Nurharnani Harun	Faculty of Dentistry 275107	MClinDent (Malaya), DDS (UKM)	Perubatan Mulut dan Patologi Mulut
	Dr Mohd Yusmialdil Putera B. Mohd Yusof	Faculty of Dentistry 279682	BDS (Malaya), MSc Foren Odont (Leuven), PhD (Ghent)	Oral and Maxillofacial Radiology

Achievements

ACHIEVEMENT	
Master Degree – Enrolled/On-Going	13
Master Degree - Graduated	3
PhD – Enrolled/On-Going	2
PhD – Graduated	0
No. of research grants	6

Total value of research grants (RM)	531,100
Total publication (Indexed Journals)	22
Total publication (Non-indexed Journals)	6
IPR (Patent, Industrial design, Copyright)	7
No. Of Consultancy/ Industrial Linkage/ Collaboration (National & International)	5
No. Of Membership Of Professional Bodies And Associations (National & International)	12
No. Of Special Invitation/ Appointment/ Expertise (National & International) Incl. Keynote Speaker, Invited Speaker, Thesis Examiner, Judge, Reviewer, Panel, Etc.)	30
No. Of Awards/ Recognition And Appreciation (National & International)	10

Research Activities Highlights



Stemcell & Regenerative Medicine

EK Information

Name of EK	:	Stem Cell, Regenerative Medicine & Cellular Therapy Research Group
Leader	:	Kol. Dr. Amir Muhriz Abdul Latiff (rtd)
Registered Faculty	:	Faculty of Health Sciences
UiTM Niche Area	:	Health & Wellbeing, Community of Research
RIG Niche Area	:	Stem Cell reprogramming

Niche Area and relevance of EK

- 1) Stem Cell Reprogramming
- 2) New Areas of Regenerative Medicine
- 3) Haemophilia Stem Cells
- 4) Induced Pluripotent Stem Cells

Members

NAME	ACADEMIC QUALIFICATION	FACULTY	AREA OF EXPERTISE
Kol Dr Amir Muhriz Abdul Latiff	M.PATH (Haematology) 2002	Health Sciences	Stem Cells & Haematology
Dr Siti Hamimah Sheikh Abdul Kadir	PhD	Medicine	Biochemistry & Molecular Medicine
Dr Shah Jumaat Mohd Yussof	M.S (Plastic Surgery)	Medicine	Plastic Surgery
Nurfarhana Ferdaous	PhD (on-going)	Pharmacy	Embryonic Stem Cells

Achievements

ACHIEVEMENT	2014-2016
Master Degree – Enrolled/On-Going	1
Master Degree - Graduated	-
PhD – Enrolled/On-Going	-
PhD – Graduated	-
No. of research grants	2
Total value of research grants (RM)	140,000
Total publication (Indexed Journals)	-
Total publication (Non-indexed Journals)	3
IPR (Patent, Industrial design, Copyright)	1

No. Of Consultancy/ Industrial Linkage/ Collaboration (National & International)	<ol style="list-style-type: none"> 1) National University of Singapore (IMCB) & A*Star Agency, Epigenetics Fate Laboratory, Dr. Jonathan Yui-Han Loh 2) Universiti Putra Malaysia, Medical Genetics Laboratory, Associate Prof. Dr. Syahrilnizam Abdullah 3) National Blood Centre, Dato. Dr. Faraizah Abdullah
No. Of Membership Of Professional Bodies And Associations (National & International)	<ol style="list-style-type: none"> 1. Stem Cells Society of Singapore (SCSS) 2. Tissue Engineering and Regenerative Medicine Society of Malaysia (TESMA)
No. Of Special Invitation/ Appointment/ Expertise (National & International) Incl. Keynote Speaker, Invited Speaker, Thesis Examiner, Judge, Reviewer, Panel, Etc.)	
No. Of Awards/ Recognition And Appreciation (National & International)	<ol style="list-style-type: none"> 1. Student Travel Fellowship Award to Stem Cells Society of Singapore Symposium (November 2015) 2. 3rd Best Poster at Postgraduate Colloquium on Medical Sciences (PCOMS), UiTM Sungai Buloh. 3. Best Consolidation

Research Activities Highlights



Acknowledgement

**YBhg. Prof. Emeritus Dato' Prof Dr Hassan Said
(Vice Chancellor UiTM)**

**YBhg. Prof. Ir Dr Abdul Rahman Omar
(Deputy Vice Chancellor Research & Innovation)**

**YBhg. Prof Dr Hadariah Bahron
(Assistant Vice Chancellor Research & Innovation)**

Technical Support

**Associate Professor Dr. Aidah Jumahat
Muhammad Ammar Bin Khaizuan
Mazuan Bin Mohamad**

EK Information Sharing

**Prof. Dr. Hadariah Bahron
Prof. Dr. Chen Ai Hong
Prof. Dr. Nor Ashikin Mohamed Noor Khan
Assoc. Prof. Dr. Zaini Mohd Zain
Assoc. Prof. Dr. Rohana Ahmad
Kol. Dr. Amir Muhriz Abdul Latiff (rtd)
Dr. Jamal Houssaini
Dr. Khor Goot Heah
Dr. Mohd Haidzir Abd Manaf
Dr. Suhaila Bt Abd Muid**

