



# RCSI

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Name:	Michael B. Keogh
Title:	Dr.
Start date with RCSI Bahrain:	1/6/2012
Department:	School of Medicine
Specialty:	Human biology

### Third Level Education / Academic Awards:

Date Awarded	Awarding Institution:	Qualification Title:
8/11/2010	RCSI	PhD. Regenerative Medicine
1/11/2003	National University of Ireland	MSc. Occupational Health
12/12/2002	National University of Ireland	BSc. Biotechnology

### Professional Qualifications:

Date Awarded	Awarding Institution:	Qualification Title:

### Previous Academic Positions:

Date (To - From):	Institution:	Position:
2016-present To <a href="#">Click here to enter a date.</a>	RCSI Bahrain	Senior Lecturer in Human Biology and manager of the research laboratories
2012-2016 To <a href="#">Click here to enter a date.</a>	RCSI Bahrain	Lecturer in Human Biology



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**Teaching Experience:**

Lecturing duties include: Teaching all aspects of human biology to premedical and nursing undergraduate students. Topics include •cell biology •fundamental genetics •biomedical laboratory sciences •human systems: anatomy & physiology (integument, musculoskeletal, special senses, nervous, cardiovascular, immune, GIT, excretory, endocrine and respiratory systems). I am a coordinator for human biology modules which includes exam preparation between three sites Bahrain, Dublin and Penang. Other duties include running annual elective projects on dissection and neuroanatomy for the undergraduate medics and teaching medical microbiology to undergraduate nursing students.

**Current Research and Scholarly Activities:**

-Research in regenerative medicine focusing on adult stem cells and gene activated scaffolds for tissue repair. This also encompasses research on 3D bioprinting for soft tissue repair, nanomedicine using nanoparticles and biophotonics based cell activation.

**Summary of Publication History: (Last 10 years only)**

<b>Publication Details:</b>	<b>Journal Impact Factor:</b>
<a href="#">Click here to enter text.</a>	<a href="#">Click here to enter text.</a>
Keogh, M. B., O' Brien F.J., Daly, J. S. (2010) "A novel collagen scaffold supports human osteogenesis-applications for bone tissue engineering" <i>Cell Tissue Res</i> 2010 340 (1): 169-77	<i>Cell Tissue Res Impact Factor 3.67</i>
Keogh, M. B., O' Brien F.J., Daly, J. S. (2010) "Substrate stiffness and contractile behaviour modulate the functional maturation of osteoblasts on a collagen GAG scaffold" <i>Acta biomaterialia</i> (6): 4305-4313	<i>Acta biomaterialia Impact Factor 6.025</i>
Keogh, M. B., Partap S., O' Brien F.J., Daly, J. S. (2011) "Flow perfusion bioreactor improves osteogenesis of human cells within a collagen glycosaminoglycan scaffold" <i>Journal of Biotechnology &amp; bioengineering</i> 108: 1203-1210	<i>Biotechnology &amp; bioengineering Impact Factor 4.164</i>
Keogh M.B., Castro-Alferez M., M. I. Polo-Lopez, Isabel Fernandez Calderero, Y. A. Al-Eryani, C. Joseph-Titus, B. Sawant, R. Dhodapkar, C. Mathur, K. G. McGuigan, Fernandez-Ibanez P.. (2015) "Capability of 19-litre polycarbonate plastic water cooler containers for efficient solar water disinfection (SODIS): field case studies in India, Bahrain and Spain". <i>Solar Energy</i> . 16: 1-11	<i>Solar Energy Impact Factor 3.685</i>
Keogh M. B., Ahmed D., Abouzaid C., Elmusharaf K. (2015) 'Awareness of healthcare workers to Total Parenteral Feeding in Neonatal Units' <i>Bahrain Med Bull</i> 37 (2):114-116	<i>Bahrain Med Bull Impact Factor: No impact factor</i>
Borde P. Elmusharaf K, Mc Guigan K.G., Keogh M.B. Community challenges when using large plastic bottles for solar energy disinfection of water. <i>BMC Public Health</i> (2016) 16:931	<i>BMC Public Health Impact Factor Impact Factor 2.209</i>
Laiva A., O'Brien F. J., Keogh M.B. Innovations in Genes and Growth Factor delivery systems for Diabetic Wound Healing. <i>Journal of Tissue Engineering and Regenerative Medicine</i> . 2016.	<i>Journal of Tissue Engineering and Regenerative Medicine Impact Factor 4.71</i>
Keogh M.B., Elmusharaf K., Borde P. Mc Guigan K.G (2017) Evaluation of the natural coagulant <i>Moringae olifera</i> as a pretreatment for SODIS in contaminated turbid water.	<i>Solar Energy Impact Factor 3.665</i>
Babiker R., Elmusharaf K., Keogh M.B., Saeed A.M. "Effect of Gum Arabic ( <i>Acacia Senegal</i> ) supplementation on visceral adiposity index (VAI) and blood pressure in patients with Type 2 Diabetes Mellitus as indicators of cardiovascular disease (CVD): a randomized and placebo-controlled clinical trial." <i>under review</i> . 2017	<i>Lipids in Health and Disease Impact factor 2.073</i>



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SDF-1 $\alpha$ gene activated collagen-chondroitin sulfate scaffolds directs stem cell driven endothelial angiogenesis. Laiva A.L, Raftery R.M, Keogh M.B., O'Brien F. J. (2018). <i>in press</i> .	<i>International Journal of Pharmaceutics</i> Impact factor 3.649
Detection of BRCA1 and BRCA2 Germline Mutations in a Cohort of Bahraini Breast Cancer Patients Using Next-Generation Sequencing Fatima Al Hannan; Michael B. Keogh; Safa Taha; Latifa Albuainain. 2018 under review	<i>BMC Genomics</i> 3.729

**Recent Presentations:**

TERMIS Kyoto 2015
World congress of biomechanics, Montreal, CA. 2016
TERMSTEM Regenerative medicine conference Porto 2017
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**Consultancy and other Relevant Activities:**

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