

Third GENE2SKIN PROGRESS MEETING WAS HELD AT RCSI

The **third Gene2skin progress meeting** was held at **RCSI, Dublin, Ireland** on the **10th of April 2017**. Professor Fergal O'Brien and his group organized the meeting and welcomed all the partners. Different works were presented by researchers working in the three different partners, and fruitful discussions took place in this meeting. New activities were planned for the upcoming months. After the meeting a workshop organized by RCSI took place.



WORKSHOP: GENE-ACTIVATED SCAFFOLDS FOR TISSUE ENGINEERING HELD AT RCSI

The workshop was held at **RCSI, Dublin, Ireland on the 10th-11th of April 2017** and was focused on **gene-activated scaffolds for Tissue Engineering** with a particular focus on the potential for these systems to be applied to skin regeneration and wound healing. Representatives from all 3 partner organisations – TERG RCSI, King's College London Centre for Stem Cells and Regenerative Medicine and 3B's Research Group, University of Minho - presented various types of approaches.



RECENT AWARDS BY THE CONSORTIUM

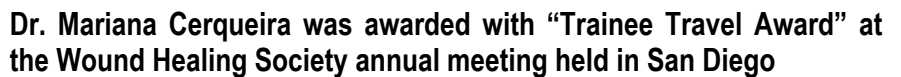


Professor Rui L. Reis was just awarded with “Contributions to Literature Award” at the TERMIS-EU 2017 meeting held in Davos, Switzerland

The Contributions to the Literature Award is aimed to recognize the outstanding publication records of researcher in the TERM field. Professor Rui L. Reis made significant contributions to the literature on applied areas of tissue engineering and regenerative medicine. The importance of the contribution has been evidenced by an outstanding bibliometric record, namely systematic publications in relevant good quality scientific journals, including original and review papers, as well as textbooks edited or short communications.



The GENE2SKIN project has received funding from the European Union's Horizon 2020 Research and Innovation programme, under the Grant Agreement Number 692221



WHS 
WOUND HEALING SOCIETY

Trainee Travel Award

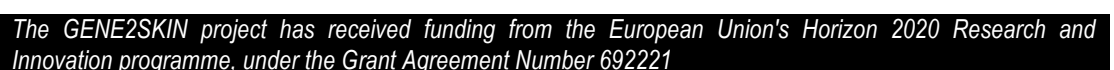
Presented to
Mariana Cerqueira

WHS 2017, SAN DIEGO, CALIFORNIA USA

Maria Tomic-Cankic
Mariana Tomic-Cankic, WHS President

Praveen Arany
Praveen Arany, WHS Awards Chair

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Dr Rosanne Raftery receives Barnes Medal for Best Oral Presentation at Research Day 2017

TERG post-doc, Dr Rosanne Raftery won the Barnes Medal for Best Oral Presentation (Early Career Category) for her talk entitled *“Translating the Fundamental Role of Osteogenic-Angiogenic Coupling in Bone Formation: Highly Efficient Combinatorial Gene Activated Scaffolds Accelerate Bone Regeneration in Critical-sized Defects”* at Research Day 2017 held at RCSI.



DERG post-doc wins prestigious NIRA award at ORS

TERG post-doc Dr. Rosanne Raftery won the very prestigious Orthopaedic Research Society New Investigator Recognition Award (NIRA) at the 2017 ORS Annual Meeting. The conference was held in San Diego, California, March 19 - 22. Dr. Raftery took home the NIRA for her work on *“Translating the Fundamental Role of Osteogenic-Angiogenic Coupling in Bone Formation: Highly Efficient Combinatorial Gene-Activated Scaffolds Accelerate Bone Regeneration in Critical-sized Defects”*.



TERG win Research Lab of the Year

The Tissue Engineering Research Group (TERG) won 'Research Laboratory of the Year', at the 2017 Lab Awards on May 25th.

The Irish Laboratory Awards are the benchmark for those demonstrating excellence, best practice and innovation within Ireland's lab industry. The awards recognise the successes and achievements of Ireland's internationally renowned scientists in areas including innovation, leadership and collaboration and focus on the ongoing work of Irish scientists to grow and develop a sustainable, globally competitive science research.



SELECTED PUBLICATIONS BY THE CONSORTIUM



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Kilpinen H, Goncalves A, Leha A, Afzal V, Alasoo K, Ashford S, Bala S, Bensaddek D, Casale FP, Culley OJ, Danecek P, Faulconbridge A, Harrison PW, Kathuria A, McCarthy D, McCarthy SA, Meleckyte R, Memari Y, Moens N, Soares F, Mann A, Streeter I, Agu CA, Alderton A, Nelson R, Harper S, Patel M, White A, Patel SR, Clarke L, Halai R, Kirton CM, Kolb-Kokocinski A, Beales P, Birney E, Danovi D, Lamond AI, Ouwehand WH, Vallier L, Watt FM, Durbin R, Stegle O, Gaffney DJ. 'Common genetic variation drives molecular heterogeneity in human iPSCs.'. *Nature.* 2017 May 10. doi: 10.1038/nature22403 PMID: 28489815

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RCSI

Innovations in Gene and Growth Factor delivery systems for Diabetic Wound Healing. Laiva, A. L.; O'Brien, F.J. and Keogh, M.B. *Journal of Tissue Engineering and Regenerative Medicine*. DOI: 10.1002/term.2443 [In press, accepted manuscript]

Mesenchymal Stem Cell Fate Following Non-viral Gene Transfection Strongly Depends on the Choice of Delivery Vector. Gonzalez-Fernandez, T.; Sathy B.N.; Hobbs, C.; Cuniffe, G.M.; McCarthy, H.O.; Dunne, N.J.; Nicolosi, V.; O'Brien, F.J. and Kelly, D.J. *Acta Biomaterialia*. Doi: 10.1016/j.actbio.2017.03.044 [In press, corrected manuscript]

A methylcellulose and collagen based temperature responsive hydrogel promotes encapsulated stem cell viability and proliferation in vitro. Payne, C.; Dolan, E.B.; O'Sullivan, J.; Cryan, S.A. and Kelly, H.M. *Drug Delivery and translational research*. 7(1): pp132-146. Doi: 10.1007/s13346-016-0347-2.



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