



# ENGINews

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## Highlights



**Miguel Oliveira, from 3B's Research Group, wins Jean Leray Award**

Granted by the European Society for Biomaterials (ESB), the Jean Leray Award is one of the most prestigious awards in the field

## Researcher from 3B's Research Group wins Jean Leray Award

Miguel Oliveira, principal investigator from the Biomaterials, Biodegradables and Biomimetics Research Group (3B's) of the EEUM, a member of the associate laboratory ICVS/3B's of the UMinho, was granted the Jean Leray Award 2015. In the last 15 years, Miguel Oliveira has been developing natural origin biomaterials for application in several approaches on tissue engineering and regenerative medicine, namely for treatment of musculoskeletal disorders. He has also worked with nanotechnology and stem cells applied to developing disease models (e.g.: osteoarthritis and cancer). The Jean Leray Award, granted by the European Society for Biomaterials (ESB), is one of the most prestigious awards in the field. The award is destined to recognize, encourage and stimulate outstanding research contributions to the field of biomaterials by young scientists up to 40 years old who have concluded their PhD in the last 8 years.



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## Researchers from ISLab receive Best Student Paper Award

France, 11<sup>a</sup> to 13<sup>a</sup> February

A group of researchers from the Intelligent Systems Lab (ISLab), research group coordinated by Professor Paulo Novais (Department of Informatics) and integrated in the ALGORITMI Research Centre of the EEUM, won the Best Student Paper award at the PECCS 2015 - International Conference on Pervasive and Embedded Computing and Communication Systems. The authors presented a work entitled "Mental Workload Management as a Tool in e-Learning Scenarios", authored by André Pimenta, Sérgio Gonçalves, Davide Carneiro, Florentino Fdez-Riverola, José Neves and Paulo Novais.

This work was developed in the context of the CAMCoF research project (Context-aware Multimodal Communication Framework), funded by the Portuguese Foundation for Science and Technology (FCT). The main goal of the CAMCoF project is the development of an approach to model a computer user's context, with an emphasis on stress and fatigue, and the providing of this type of information to intelligent environments, so that richer interaction and communication processes can be developed.

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## CEB selected for Australian oral health project

An Australian oral care clinic chose researchers from the Centre for Biological Engineering (CEB) of the EEUM for the development of an innovative project, aiming at treating periodontal disease, one of the main problems associated with oral health. The choice was made by the founder of the Mark Peddey Pty Ltd. clinic, located in Melbourne, who selected the Portuguese research centre after searching among several worldwide research institutes for the one which corresponded to the projects' objectives. The CEB was considered the most adequate research centre. Thus, the Bacteriophage Biotechnology Group will now develop an innovative treatment, funded by the Australian clinic, to act against pathogenic bacteria of periodontal disease. The main goal of the project is the creation of a bacteriophage-based product which effectively fights periodontitis, originated by bacterial infections.



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## Top secondary school students work with UMinho's researchers

Campi of Gualtar and Azurém, 23<sup>rd</sup> to 26<sup>th</sup> March

More than one hundred students from Braga district were invited to spend a whole week at the UMinho. This initiative allowed the best students from these secondary schools to work side by side with professionals at the UMinho in special training sessions, which included specific lessons and integrated them in international research teams. The students participated in several activities in their areas of interest in the different Schools and Institutes of the UMinho. Training sessions were available in various fields such as architecture, science, law, medicine, social sciences, nursing, economics and management, education, engineering, psychology and humanities. A total of 14 students participated in the activities which took place at the School of Engineering, organised by the Research Centres 3B's (5), CEB (3), CT2M (3) and ALGORITMI (3).



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