



Department of Physics

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Colloquia

Vasif Hasirci

*Middle East Technical University
BIOMATEN, CoE in Biomaterials & Tissue Engineering,
Department of Biological Sciences*

Biomaterials and Tissue Engineering: Where do we stand?

The current state of the biomaterials and tissue engineering field is very exciting. Advances are made in many different directions and are influenced by a variety of different disciplines. The current state of the art in the field necessitates collaboration with molecular biologists to study gene and protein level changes caused by the biomaterials, partnership with engineers in construction of model tissues using microfluidic systems, and manufacturers for the production of scaffolds for tissue engineering using the various 3D printing approaches. The other aspects of the field such as the testing of prototypes in vivo and in the clinic are still the road blocks that slow down the process termed as from the lab to the bedside.



February 14
Wednesday



UNAM
SU-01



15:40

Dr. Vasif Hasirci is a chemist and an expert in biomedical, biotechnological and nanotechnological applications of natural and synthetic polymers. He is the Founding Director of the Center of Excellence in Biomaterials and Tissue Engineering at the Middle East Technical University (METU) and the President of the Biomaterials and Tissue Engineering Society (Turkey). He serves on the Editorial Boards of several journals including Biomaterials; Nanomedicine; Journal of Biomaterials Science: Polymer Edition, and Regenerative Biomaterials among others. He has published more than 200 SCI journal papers, has around 4150 citations and a h-index of 41 (WoS). He has 5 patents and/or patent applications, supervised 47 M.S. and 21 Ph.D. students. He is a Fellow of the Science Academy (Turkey), the International College of Fellows of Biomaterials Science and Engineering (FBSE), and the Royal Society of Chemistry (FRSC) (UK); and a member of European Society for Biomaterials (ESB), American Chemical Society, and Turkish Chemistry Society.

The Department of Physics Seminars are designed to address a non-specialist, broad audience and introduce topics of contemporary research through lectures by leading experts. We warmly invite all members of the student body, including undergraduates enrolled in any programme.

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