# Engineering human tissues 

BY Prof. Gordana Vunjak-Novakovic

Mikati Foundation Professor of Biomedical Engineering and Medicine, Columbia University

## ABSTRACT

Tissue engineering is making major impact on the development of new treatment modalities for regenerative medicine, where functional substitutes of native tissues are used to repair our worn-out, diseased or missing organs. Engineered tissues are also enabling us to study the stem cells in a native-like context of development or regeneration, and to build models of disease and drug screening platforms. These areas have enormous potential for improving human life, while the field is still facing some major challenges. This talk will discuss the state of the art and recent advances in the field, using examples that will range from engineering of anatomical tissue grafts, differentiation of human stem cells, to models of cancer and identification of therapeutic targets.

## EVENT DETAILS

DATE:
April 10, 2013
TIME:
11:00 AM

## LOCATION:

Babbio 122
Stevens Institute of
Technology
ATTENDANCE:
Public

