

Module 12 Assignment

585.751 Immunoengineering

1. (100 points) The immune system plays a key role in tissue engineering and regenerative medicine that is still being elucidated. Answer the following questions about tissue engineering and the immune system:
 - a. (10 points) What are the 3 major components of a biomaterial for tissue engineering?
 - b. (45 points) List 3 ways in which the immune system has been shown to be involved in tissue regeneration (either from the lecture videos or your own research).
 - c. (45 points) Briefly describe 3 ways in which a biomaterial for tissue engineering can be designed to modulate the immune system in order to improve regeneration.

