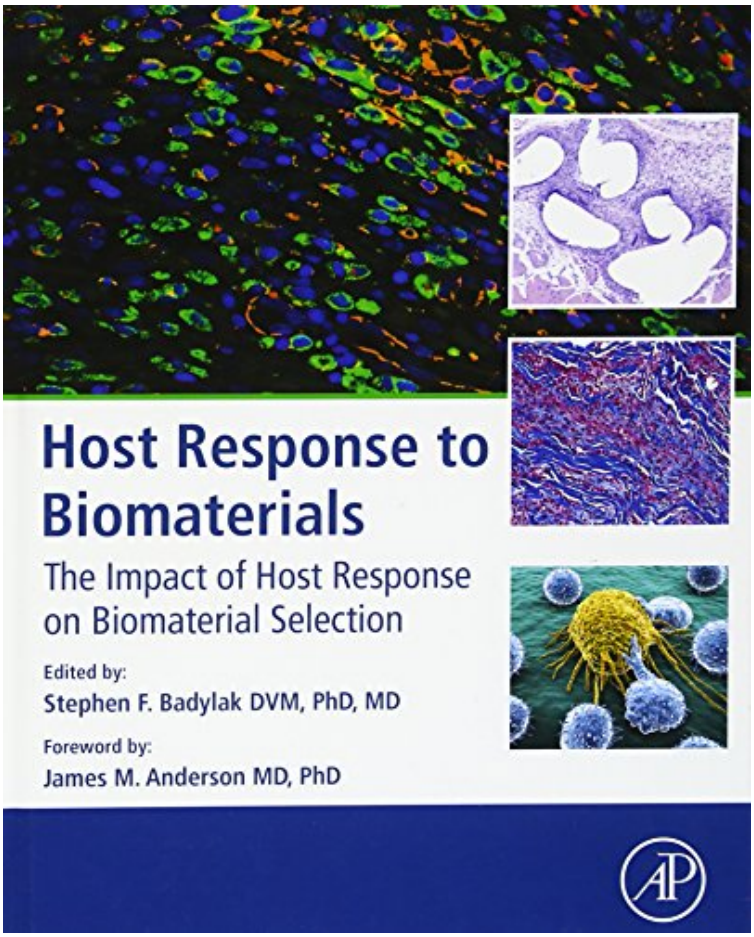
Host Response to Biomaterials: The Impact of Host Response on Biomaterial Selection



#2759435 in Books Ingramcontent 2015-05-21Original language:EnglishPDF # 1 9.25 x 1.00 x 7.52l, .0 #File Name: 0128001968460 pagesHost Response to Biomaterials The Impact of Host Response on Biomaterial Selection | File size: 15.Mb

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Host Response to Biomaterials: The Impact of Host Response on Biomaterial Selection explains the various categories of biomaterials and their significance for clinical applications, focusing on the host response to each biomaterial. It is one of the first books to connect immunology and biomaterials with regard to host response. The text also explores the role of the immune system in host response, and covers the regulatory environment for biomaterials, along with the

benefits of synthetic versus natural biomaterials, and the transition from simple to complex biomaterial solutions. Fields covered include, but are not limited to, orthopaedic surgery, dentistry, general surgery, neurosurgery, urology, and regenerative medicine. Explains the various categories of biomaterials and their significance for clinical applicationsContains a range of extensive coverage, including, but not limited to, orthopedic, surgery, dental, general surgery, neurosurgery, lower urinary tract, and regenerative medicineIncludes regulations regarding combination devices

About the AuthorDr. Badylak is Deputy Director of the McGowan Institute for Regenerative Medicine, Director of the Center for Preclinical Testing, and directs a laboratory focused upon the use of biologic scaffolds composed of extracellular matrix (ECM) to facilitate functional tissue regeneration. The focus of Dr. Badylak's work has been the mechanisms by which extracellular matrix signals host tissues to promote and support functional tissue reconstruction.