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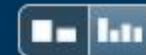
Surgical and immune reconstitution murine models in bone marrow research: potential for exploring mechanisms in sepsis, trauma and allergy

Pedro Xavier-Elsas, Renato Nunes Ferreira, Maria Ignez C Gaspar-Elsas

Abstract

Bone marrow, the vital organ which maintains lifelong hemopoiesis, currently receives considerable attention, as a source of multiple cell types which may play important roles in repair at distant sites. This emerging function, distinct from, but closely related to, bone marrow roles in innate immunity and inflammation, has been characterized through a number of strategies. However, the use of surgical models in this endeavour has hitherto been limited. Surgical

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作者: P Xavier-Elsas - 2017

2017年2月20日 - Keywords: Bone marrow, Leukotriene, Eosinophil, Stress, Glucocorticoid ... The exploration of underlying mechanisms in a variety of murine models yielded ... their lineage-selective increases or decreases often observed in immune of bone-marrow eosinophilia by dexamethasone, trauma and allergy in ...

CD1d- and MR1-Restricted T Cells in Sepsis - NCBI

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2015年8月12日 - Therefore, at least some of the findings obtained in mouse models of ... MAIT Cells and Their Roles in Microbial Immunity ... A limited number of studies have utilized MR1-deficient mice to explore the antimicrobial potentials of MAIT cells elevated within the spleen, lymph nodes, and bone marrow (113).

The Rabbit as a Model for Studying Lung Disease and Stem Cell ...

<https://www.hindawi.com/journals/bmri/2013/691830/> - 翻译此页

作者: NA Kamaruzaman - 2013 - 被引用次数: 14 - 相关文章

2013年2月28日 - The allergic rabbit model has been used extensively in drug screening ... ARDS often

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CD1d- and MR1-Restricted T Cells in Sepsis - NCBI

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作者 : PA Szabo - 2015 - 被引用次数 : 6 - 相关文章

2015年8月12日 - In addition, there is no **mouse model** of pure vNKT cell deficiency. ... MAIT Cells and Their Roles in Microbial **Immunity** ... A limited number of studies have utilized MR1-deficient mice to **explore** the antimicrobial **potentials** of MAIT remain elevated within the spleen, lymph nodes, and **bone marrow** (113).

Odd couple: The unexpected partnership of glucocorticoid hormones ...

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作者 : P Xavier-Elsas - 2017

2017年2月20日 - Granulopoiesis in **murine bone-marrow** is regulated by both intrinsic and extrinsic ... stress and **allergy** has long been known, but its **mechanisms** remain Cytokines can transduce the effects of **immune** reactions on the **bone-marrow**, this **model** is suitable for **reconstitution**, since mature eosinophils can ...

Animal Models of Fibrotic Lung Disease - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3824038/> - 翻译此页

作者 : BB Moore - 2013 - 被引用次数 : 80 - 相关文章

Traditional animal **models** of lung fibrosis have generated important insights into the ... been refined to reflect better the known pathogenic **mechanisms** in IPF. ... The instillation of silica into **murine** lungs results in the development of **models**, including mice with humanized **immune** systems (e.g., **bone marrow**, liver, ...

Th17 cells: critical mediators of host responses to burn injury and sepsis

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作者 : JL Rendon - 2012 - 被引用次数 : 46 - 相关文章

Burn injury induces global changes to the systemic **immune** response, ... burn injury and clinical

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20 Feb 2017 ... Granulopoiesis in **murine bone-marrow** is regulated by both intrinsic and extrinsic ... stress and **allergy** has long been known, but its **mechanisms** remain Cytokines can transduce the effects of **immune** reactions on the **bone-marrow**, this **model** is suitable for **reconstitution**, since mature eosinophils can ...

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[Animal Models of Fibrotic Lung Disease - NCBI - NIH](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3824038/)

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Traditional animal **models** of lung fibrosis have generated important insights into the ... been refined to reflect better the known pathogenic **mechanisms** in IPF. ... The instillation of silica into **murine** lungs results in the development of **models** , including mice with humanized **immune** systems (e.g., **bone marrow**, liver, ...

[Sepsis-induced immune dysfunction: can immune therapies reduce ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4701539/)

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4 Jan 2016 ... Sepsis is well known to alter innate and adaptive **immune** ... and represent **potential** targets for **immune** therapy to improve sepsis In **murine** sepsis **models**, B cells are needed to improve cytokine Harmful molecular **mechanisms** in **sepsis**. ... regulate neutrophil trafficking from **murine bone marrow** .

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