シグナル伝達医学 講演会

『肺の再生実現へ向けて~The lungs: a most demanding organ to regenerate ~ 1

日時: 2019年 8月 6日(火)10:00~

場所: シグナル統合学分野セミナー室

講師:森宗昌先生(研究棟C棟4F西側)

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The lung: a most demanding organ to regenerate

Millions of people worldwide suffering from incurable end-stage lung disease die due to inadequate treatment options and limited availability of donor organs for transplantation. Unlike endocrine organs such as pancreas or thyroid, lung requires structural and mechanical properties to achieve its function. Current bioengineering strategies to regenerate the lung have not been able to replicate its extraordinary complexity, which contains billions of cells indispensable for life-sustaining gas-exchange. Here we will discuss the recent topics for overcoming the complexity that will promote our understanding of lung bioengineering and regeneration.

【参考文献】

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