



国立大学法人九州工業大学

第33回 歯工学連携講演会 九州工業大学 若手研究者フロンティア研究アカデミー **Tissue engineering for enhancing peripheral nerve repair and regeneration** 本梢神経の修復および再生を促進させるための組織工学

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場 所:九州歯科大学 本館4階 401講義室



Although peripheral nerves have an intrinsic potential for spontaneously regenerating after trauma or disease, the clinical outcome in patients who suffered for a severe nerve lesion is often unsatisfactory. In this presentation, the basic concepts of repair and regeneration of peripheral nerves are introduced. In addition, a brief overview of the today's key strategies for developing innovative peripheral nerve regenerative scaffolds is carried out in order to throw a light on the most promising future perspectives in combining the different approaches for improving posttraumatic recovery in patients. Finally, examples of successful translational research in peripheral nerve repair and regeneration are provided together with a critical discussion on some of the pitfalls which may arise in this intriguing scientific field.

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