

Neural repair

This volume deals with a challenging problem in modern neurobiology: the ability of the most complex of the organ systems to repair itself. Understanding of the regenerative process of the brain is not only of compelling scientific interest, but also of crucial clinical importance in overcoming the effects of neural injury and disease. The chapters in this book – all written by international authorities – provide valuable insight into current techniques and concepts which are transforming our understanding of the cellular processes of brain repair. The topics covered range from the molecular mechanisms of neural growth factors and synapse formation to neuronal targetting and the use of embryonic nerve grafts to alleviate what have been previously regarded as intractable pathological conditions.

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