

연수 제안서

연구 분야	Cellular and molecular neuroscience
연구 과제명	Study on the mechanism of axonal position-dependent fine-scale organization of cerebellar granule cells
연수 제안 업무	Experiments for molecular mechanisms of specific neural network structures
<p>1) 연수기간 : Post-doc. (채용일로부터 12개월) ※ 활용책임자와의 협의 및 연수직 운영 내규에 따름</p> <p>2) 연수내용 :</p> <p>1. Testing the viral vectors to achieve molecular expression in specific neural networks</p> <ul style="list-style-type: none"> • Stereotaxic injection of several types of adeno-associated viral vectors (AAV). • Examination of molecular expression patterns by individual types of AAV. <p>2. Analyses of neuronal networks related to cerebellar functions</p> <ul style="list-style-type: none"> • Identification of activity patterns of cerebellar neurons according to different types of behaviors. • Testing the effects of neuromodulation on the activity patterns and behavioral outcomes. <p>3. Molecular expression analysis</p> <ul style="list-style-type: none"> • Immunohistochemical observation of molecules that regulate cerebellum-related behaviors. <p>4. Functional analysis</p> <ul style="list-style-type: none"> • Clarification of significance of different molecular expression. 	
<p>소속 부 서 : 뇌기능연구단</p> <p>연수 책임자 : 유키오 야마모토</p>	