

## 연수 제안서

연구 분야	Cellular and molecular neuroscience
연구 과제명	AI-circuit project
연수 제안 업무	Experiments for molecular mechanisms of specific neural network structures
<p>- 연수기간 : 2022.01.01. ~</p> <p>- 연수 내용 :</p> <ol style="list-style-type: none"> <li>Testing the viral vectors to achieve molecular expression in specific neural networks <ul style="list-style-type: none"> <li>Stereotaxic injection of several types of adeno-associated viral vectors (AAV).</li> <li>Examination of molecular expression patterns by individual types of AAV.</li> </ul> </li> <li>Analyses of neuronal networks related to cerebellar functions <ul style="list-style-type: none"> <li>Identification of activity patterns of cerebellar neurons according to different types of behaviors.</li> <li>Testing the effects of neuromodulation on the activity patterns and behavioral outcomes.</li> </ul> </li> <li>Molecular expression analysis <ul style="list-style-type: none"> <li>Immunohistochemical observation of molecules that regulate cerebellum-related behaviors.</li> </ul> </li> <li>Functional analysis <ul style="list-style-type: none"> <li>Clarification of significance of different molecular expression.</li> </ul> </li> </ol>	
<p style="text-align: right;">소속 부 서 : 뇌과학융합연구단</p> <p style="text-align: right;">연수 책임자 : 유키오 야마모토</p>	