

## 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 :</p> <p>2022.03.01. ~ 2022.08.31</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>RNA purification in specific neural networks <ul style="list-style-type: none"> <li>To express molecules required for RNA purification by utilizing the AAV that can trigger expression in specific neural networks.</li> <li>To establish protocols for RNA purification from specific neural networks, by pull-down experiments.</li> </ul> </li> <li>Molecular expression analysis <ul style="list-style-type: none"> <li>Comparison of molecular expression in different networks, by RNA sequencing or real-time PCR methods.</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>	