

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 : 2021.07.01. ~ 2022.02.28</p> <p>- 연수 내용 :</p> <ol style="list-style-type: none"> 1. Testing the viral vectors to achieve molecular expression in specific neural networks <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. 2. RNA purification in specific neural networks <ul style="list-style-type: none"> • To express molecules required for RNA purification by utilizing the AAV that can trigger expression in specific neural networks. • To establish protocols for RNA purification from specific neural networks, by pull-down experiments. 3. Molecular expression analysis <ul style="list-style-type: none"> • Comparison of molecular expression in different networks, by RNA sequencing or real-time PCR methods. 4. Functional analysis <ul style="list-style-type: none"> • Clarification of significance of different molecular expression. 	
<p style="text-align: right;">소속 부 서 : 뇌과학융합연구단</p> <p style="text-align: right;">연수 책임자 : 유키오 야마모토</p>	

Post-Doc/인턴 채용사유서

1. 활용책임자

본부(소)명	뇌과학연구소					성 명		유키오 야마모토			
연구센터(단)명	뇌과학융합연구단					직 급		책임연구원			
현재활용인력	포닥	0	별정직	0	인턴	0	학연생 등	1	합계	1	

2. 신규채용 예정인력

직 급	<input type="checkbox"/> Post-Doc.	최종학위	<input type="checkbox"/> 박사
	<input checked="" type="checkbox"/> 인턴		<input type="checkbox"/> 석사 <input checked="" type="checkbox"/> 학사
채용구분	<input type="checkbox"/> 퇴직자 대체 인력 채용 <input checked="" type="checkbox"/> 추가 채용		
채용사유 및 활용내용	대체인력 채용인 경우 (전임자 정보 기재)		
	성 명		학 위
	소 속		재 직 기 간
	직 급		퇴 직 사 유
	<p>We are recruiting an intern, who will proceed experiments and analyses required for the project of "AI-circuit project".</p> <p>In this project, we are investigating molecular mechanisms to create specific neural network structures, and it is important to hire an intern, who has an experience of biological experiments.</p> <p>활용내용</p> <p>1) Expression of molecules in neurons by using viral vectors.</p> <p>2) Confocal imaging of fixed tissues</p> <p>3) Molecular expression analysis</p> <p>Conditions</p> <p>1) Comfortable in communicating in English</p> <p>2) Preferable if a person has the following experiences:</p> <p>handling mice, cell cultures, molecular cloning, handling viral vectors, RNA purification, fluorescence imaging</p>		

2021. 04. 21.

활용책임자 : 유키오 야마모토 (인)

