

Post-Doc/인턴 채용사유서

1. 활용책임자

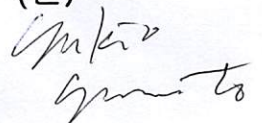
본부(소)명	뇌과학연구소				성 명	유키오 야마모토				
연구센터(단)명	기능커넥토믹스연구단				직 급	책임연구원				
현재활용인력	포닥	0	별정직	0	인턴	0	학연생 등	0	합계	0

2. 신규채용 예정인력

직 급	<input type="checkbox"/> Post-Doc.	최종학위	<input type="checkbox"/> 박사
	<input checked="" type="checkbox"/> 인턴		<input checked="" type="checkbox"/> 석사 <input 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 기간
	직 급		퇴 직 사유
	We are recruiting an intern, who will proceed experiments and analyses required for the project of "Next generation of multi-scale functional connectomics study". 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.		
	활용내용 1) Expression of molecules in neurons by using viral vectors. 2) Confocal imaging of fixed tissues 3) Molecular expression analysis Conditions 1) Comfortable in communicating in English 2) Preferable if a person has the following experiences: handling mice, cell cultures, molecular cloning, handling viral vectors, RNA purification, fluorescence imaging		

2020. 4. 3.

활용책임자 : 유키오 야마모토 (인)



연수 제안서

연구 분야	Cellular and molecular neuroscience
연구 과제명	Next generation of multi-scale functional connectomics study
연수 제안 업무	Experiments for molecular mechanisms of specific neural network structures
<p>- 연수기간 :</p> <p>2020.5.18. ~ 2021.2.28</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 : 기능커넥토크스연구단</p> <p style="text-align: right;">연수 책임자 : 유키오 야마모토</p>	