

연수 제안서

연구 분야	Behavioral, system, and cellular neuroscience
연구 과제명	- 뇌질환 예측 및 극복을 위한 AI-신경망 연구
연수 제안 업무	Researches on mechanisms of exercise- dependent alterations of neuronal computation and behaviors
<p>- 연수기간 : Post-doc. (채용일로부터 12개월)</p> <p style="padding-left: 40px;">※ 활용책임자와의 협의 및 연수직 운영 내규에 따름</p> <p>- 연수 내용 :</p> <ol style="list-style-type: none"> 1. In vivo manipulation of plasticity <ul style="list-style-type: none"> • To trigger activity-dependent molecule expression in the specific circuits of the cerebellum, by utilizing AAV and/or mouse lines. • To establish methods to manipulate exercise-dependent plasticity, and to measure the alteration of plasticity. 2. Behavioral analyses <ul style="list-style-type: none"> • To establish appropriate behavioral analyses to detect exercise-dependent alterations. • To apply appropriate exercise protocols to mice, while manipulating the plasticity 3. Electriphysiological recording and circuit mapping <ul style="list-style-type: none"> • To test the electrophysiological alterations by the exercise-dependent plasticity 4. Gene expression analyses <ul style="list-style-type: none"> • To detect molecules differentially expressed under the exercise-dependent plasticity. 	
<p>소속 부 서 : 뇌기능연구단</p> <p>연수 책임자 : 게이코 야마모토</p>	