

Job Description – Job Category ①

Workplace	Center for Synaptic Brain Dysfunctions (IBS KAIST Campus, DAEJEON)	Job category (level)	Postdoctoral Research Associate	Area of hiring	①Synaptic Brain Dysfunctions (PI:Eunjoon KIM)
Work duties	Research in Synaptic brain dysfunctions				
Main business of IBS	Founded under the Special Act on Establishment of and Support for International Science and Business Belt, the Institute for Basic Science (IBS) conducts fundamental research in the fields of basic science, contributing to developing and delivering scientific knowledge and innovative technology, as well as nurturing the next generation of scientists. - Basic science research - Interdisciplinary basic science research in science and technology - Convergence between basic science and humanities, social science and culture, and arts - Policy research for setting the direction of basic science research - Programs for establishing and utilizing research facilities and equipment Management, transfer, utilization, and commercialization of research outcomes				
Research area of the Center	Understanding brain neural circuits to sensory processing, perception-based decision-making, and perceptual learning mechanisms				
Duties and responsibilities	Research on mechanisms underlying synaptic brain disorders Investigation of synaptic dysfunction mechanisms associated with autism-related behaviors Investigation of neural circuit dysfunction mechanisms associated with autism-related behaviors				
Knowledge required	Knowledge in neuroscience, molecular cellular biology, or other related fields				
Competencies required	Skills in animal behavior and neural signal measurement techniques, expertise in experimental design and analysis, problem-solving abilities, effective communication with researchers, and proficiency in writing and presenting research papers in English				
Attitude required	Creative attitude for neuroscience research				
Basic skills required	Communication skills, problem-solving skills, Organizational Understanding, Interpersonal Skills, and Work ethics				
Qualification	(Major) Ph.D. in neuroscience, molecular cellular biology, or other related fields - Those who do not exceed 5 years after obtaining a doctoral degree, or those who are expected to obtain a doctoral degree within 3 months from the expected appointment date(February 1, 2027)				
Screening	Stage 1: Document screening → Stage 2: Interview				

- This job description states major work duties of the hiring area. Work duties that are not stated here may need to be performed.

Job Description – Job Category ②

Workplace	Center for Synaptic Brain Dysfunctions (IBS KAIST Campus, DAEJEON)	Job category (level)	Senior Researcher	Area of hiring	②Neuroscience (PI:Seung-Hee LEE)
Work duties	Research in neural systems for sensory integration				
Main business of IBS	Founded under the Special Act on Establishment of and Support for International Science and Business Belt, the Institute for Basic Science (IBS) conducts fundamental research in the fields of basic science, contributing to developing and delivering scientific knowledge and innovative technology, as well as nurturing the next generation of scientists. - Basic science research - Interdisciplinary basic science research in science and technology - Convergence between basic science and humanities, social science and culture, and arts - Policy research for setting the direction of basic science research - Programs for establishing and utilizing research facilities and equipment Management, transfer, utilization, and commercialization of research outcomes				
Research area of the Center	Understanding brain neural circuits to sensory processing, perception-based decision-making, and perceptual learning mechanisms				
Duties and responsibilities	Research on brain neural mechanisms based on systems neuroscience and related fields In vivo electrophysiology or calcium imaging experiments and data analysis Behavior experiment sin mouse models and functional studies of neural circuits				
Knowledge required	Knowledge in neuroscience or other related fields Knowledge of in vivo electrophysiology or calcium imaging experiments and data analysis Knowledge of behavior experiment sin mouse models and functional studies of neural circuits				
Competencies required	Skills in animal behavior and neural signal measurement techniques, expertise in experimental design and analysis, problem-solving abilities, effective communication with researchers, and proficiency in writing and presenting research papers in English				
Attitude required	Creative attitude for neuroscience research				
Basic skills required	Communication skills, problem-solving skills, Organizational Understanding, Interpersonal Skills, and Work ethics				
Qualification	(Major) Ph.D. in Neuroscience or other related fields - Doctoral degree must be obtained by expected appointment start date(February 1, 2027)				
Screening	Stage 1: Document screening → Stage 2: Interview				

- This job description states major work duties of the hiring area. Work duties that are not stated here may need to be performed.

Job Description – Job Category ③

Workplace	Center for Synaptic Brain Dysfunctions (IBS KAIST Campus, DAEJEON)	Job category (level)	Postdoctoral Research Associate	Area of hiring	③Neuroscience (PI:Seung-Hee LEE)
Work duties	Research in neural systems for sensory integration				
Main business of IBS	Founded under the Special Act on Establishment of and Support for International Science and Business Belt, the Institute for Basic Science (IBS) conducts fundamental research in the fields of basic science, contributing to developing and delivering scientific knowledge and innovative technology, as well as nurturing the next generation of scientists. - Basic science research - Interdisciplinary basic science research in science and technology - Convergence between basic science and humanities, social science and culture, and arts - Policy research for setting the direction of basic science research - Programs for establishing and utilizing research facilities and equipment Management, transfer, utilization, and commercialization of research outcomes				
Research area of the Center	Understanding brain neural circuits to sensory processing, perception-based decision-making, and perceptual learning mechanisms				
Duties and responsibilities	Research on brain neural mechanisms based on systems neuroscience and related fields In vivo electrophysiology or calcium imaging experiments and data analysis Behavior experiment sin mouse models and functional studies of neural circuits				
Knowledge required	Knowledge in neuroscience or other related fields Knowledge of in vivo electrophysiology or calcium imaging experiments and data analysis Knowledge of behavior experiment sin mouse models and functional studies of neural circuits				
Competencies required	Skills in animal behavior and neural signal measurement techniques, expertise in experimental design and analysis, problem-solving abilities, effective communication with researchers, and proficiency in writing and presenting research papers in English				
Attitude required	Creative attitude for neuroscience research				
Basic skills required	Communication skills, problem-solving skills, Organizational Understanding, Interpersonal Skills, and Work ethics				
Qualification	(Major) Ph.D. in Neuroscience or other related fields - Those who do not exceed 5 years after obtaining a doctoral degree, or those who are expected to obtain a doctoral degree within 3 months from the expected appointment date(February 1, 2027)				
Screening	Stage 1: Document screening → Stage 2: Interview				

- This job description states major work duties of the hiring area. Work duties that are not stated here may need to be performed.