氏名	1	2	3	4	5
1 中村 仁美	CHAPTER 2: BIOLOGICAL FOUNDATIONS OF PSYCHOLOGY … disappear and everything returns to normal, to his relief and regret.	The electric potential across a neuron's cell membrane will change if it is stimulated by other neurons. …	At the back of each occipital lobe in the cortex is the primary visual area. Figure 2.14 shows the optic …	Dominant and recessive genes	Signal detection theory ..., Dr. A should have also detected it, and Dr. A, in missing it, was therefore negligent.
2 長谷川 千晶	Olfaction is the term used for our sense of smell. Hyperosmia (the increased ability to smell), …	Synaptic transmission and neural coding … proteins lodged in the dendritic membrane of the postsynaptic neuron.	Mapping the brain … ; some left-handed individuals have right-hemisphere speech centers.	Sex-linked genes	This case raises several interesting issues in the domain of sensation and perception. …
3 平石 達也	THE STUDY OF THE BIOLOGICAL BASES OF PSYCHOLOGY … Our brain might very well be the single most complex object that we know about.	The neurotransmitter and the receptor site fit together like the pieces of a jigsaw puzzle or a key …	In 1874 a German investigator, Carl Wernicke, reported that damage to another site in the cortex …	Twin studies	Sensitivity and bias … this very issue later in the 'Cutting Edge Research' section of this chapter.
4 細野 眞幸	The study of the biological basis of our behavior involves considerations about its evolution. … … and disgusting is part of an individual's socialization.	Neurotransmitters	Split-Brain research … the right hemisphere, which received the original visual input of the word nut.	Molecular genetics of behavior (CHAPTER 2 の終わりまで)	But for the moment, back to basics. Each sensory system has two fundamental problems that it has to …
5 牧野 亮	Another human response that can be understood from within a model of pre-adaptation is … … activated by distress associated with physical pain as well as with social exclusion	Norepinephrine	In this experiment the word must be flashed on the screen for no more than a tenth of a second. …	CHAPTER 4: SENSORY PROCESSES ..., but in a manner that would be so blurred as to be useless in any practical sense.	Coding of intensity and quality … neural correlate of the signal- detection situation that we described above.
6 松本 真実	We have seen that some human behaviors (the response to morally offensive behavior and …	THE ORGANIZATION OF THE BRAIN	Hemispheric specialization	Our senses are our input systems. From them we acquire data about the world around us, …	With the aid of single-cell recordings, researchers have learned a good deal about how sensory systems …
7 本木 愛理	NEURONS, THE BUILDING BLOCKS OF THE NERVOUS SYSTEM … neuron integrates information from multiple pre-synaptic neurons.	Reticular formation	THE AUTONOMIC NERVOUS SYSTEM	Threshold sensitivity	VISION
8 吉村 あかり	Although all neurons have these general features, they vary greatly in size and shape (see Figure 2.4). …	The forebrain	THE ENDOCRINE SYSTEM	Difference thresholds: detecting changes in intensity ..., if sensitivity is not as high, the estimated jnd's will be larger.	The visual system … through the lens to maintain image quality at different light levels.
9 渡辺 翔平	Action potentials …, thus preventing sensory signals from reaching the brain (Catterall, 2000).	Limbic system	EVOLUTION, GENES, AND BEHAVIOR	This kind of experiment was first carried out about a century and a half ago, by two German scientists: …	All of these components focus the image on the retina. There the transduction system takes over. …
10 渡邉 美琴	When a neuron is not generating an action potential, it is referred to as a resting. … ... energy can be used to generate action potentials. How does this happen?	Cerebral cortex … by means of its sensitive whiskers, has a separate cortical area for each whisker.	Chromosomes and genes	Suprathreshold sensation	Seeing light
11 0					

氏名	6	7	8	9	10
1 中村 仁美	Dark adaptation … there is a change in brightness from light to dark (Coren, Ward, & Enns, 1999).	The auditory system	Phenomena like the one just described have led to the gate control theory of pain (Melzack & Wall, 1982, 1988). … (CHAPTER 4 の終わりまで)	Grouping of objects	Relations among features
2 長谷川 千晶	The sensory experience associated with viewing a pattern is determined by the way visual neurons …	Hearing sound intensity	CHAPTER 5: PERCEPTION … have possibly mistaken this rectangular yellow tent for a furry brown bear?'	Perceiving distance	Later stages of recognition: network models
3 平石 達也	Seeing color	Theories of pitch perception … be roughly correct; the structure turned out to be the basilar membrane.	How indeed? On the face of it, the prosecution's question seems quite reasonable. …	Monocular cues	Networks with feedback
4 細野 眞幸	Color appearance	In the 1800s the ubiquitous Hermann von Helmholtz (remember him from color-vision theory?) …	Processing and using incoming sensory information	Perceiving motion	Recognizing natural objects and top-down processing
5 牧野 亮	Color mixture	Olfaction	Five functions of perception	Real motion	The importance of context ...; when the context is inappropriate, it impairs perception.
6 松本 真実	Implication of the matching-by-three-primaries law	The olfactory system	ATTENTION	RECOGNITION	Experimental evidence for the role of context in object perception comes from semantic priming studies. … … auditory information with an entirely unexpected, 'illusory' result.
7 本木 愛理	Theories of color vision … neutral surface that is the complement of the original one (see Figure 4.22).	The gustatory system	Eye movements	Global-to-local processing	Perceptual distortions resulting from top-down processes may sometimes lead to tragedy. …
8 吉村 あかり	These phenomenological observations led Hering to propose an alternative theory of color vision …	Pressure and temperature	Weapon focus	The binding problem: pre-attentive and attentive processes	Failure of recognition … detail which would yield the answer. (Pallis, 1955)
9 渡辺 翔平	Sensation and perception: a preview	Pain	Attention, perception, and memory	Problems with feature integration theory	A second kind of category deficit is loss of the ability to recognize words, called pure alexia …
10 渡邉 美琴	AUDITION	Nonstimulus determinants of pain … Clearly, pain is as much a matter of mind as of sensory receptors.	LOCALIZATION	Feature detectors in the cortex	The advantages of abstraction: required storage and processing speed
11 0					

氏名	11	12	13	14	15
1 中村 仁美	PERCEPTUAL CONSTANCIES	As has so often been the case, the function of V1 was discovered long before the development of …			
2 長谷川 千晶	Color and brightness constancy … other number (analogous to the reflectance characteristic) must be 36 / 12 or 3	Recognition versus localization systems ... localization branch (the branch terminating near the top of the cortex).			
3 平石 達也	Brightness constancy is similar to color constancy, and refers to the fact that the perceived lightness of …	Very different results were obtained with the mental rotation task. In this task, on each trial, observers …			
4 細野 眞幸	Dependence on depth cues	Methods of studying infants			
5 牧野 亮	Illusions	Perceiving forms			
6 松本 真実	The moon illusion	Perceiving depth			
7 本木 愛理	The Ames room illusion	Controlled stimulation			
8 吉村 あかり	DIVISIONS OF LABOR IN THE BRAIN	Limited stimulation			
9 渡辺 翔平	Neural processing on attended objects	Active perception (CHAPTER 5の終わりまで)			
10 渡邉 美琴	The visual cortex … has been identified) are connected to the eyes through V1.				
11 0					