Category （科目区分）	Cluster of Neuroscience System		
Course Title （授業科目名）	Neuroanatomy		
Instructors （担当者名）	Yoshio Bando	Academic Year （配当年次）	1, 2
Required course / Elective Course （必修/選択）	Elective Course	Credits （単位数）	1
Class Format （授業形態）	Lecture		
Schedule （開講期間）	October, 2025 – March, 2026		
Class Date/Period （開講曜日・時間）	Every Monday from 18:00 to 19:30 (details of the schedule to be informed later)		

Course Outline/ Course Objectives (授業の概要・到達目標)

Objectives: To understand how abnormalities in neuronal and glial cell function are related to various neurological diseases.
Goal : To understand the structure of the brain and to explain the pathology of neurological diseases based on the latest findings.

Outline of the course
1. Outline the neurochemical/neurohistological analysis in neuroscience
2. How abnormalities in neuronal or glial cell function are related to neurological diseases
3. Outline the pathogenesis of neurodegenerative diseases such as dementia and demyelinating diseases
4. Outline the pathogenesis of neurological diseases and functional abnormalities of channel transporters
5. Outline the role of glutamate and its receptors in central nervous system

Course Planning (授業計画)

	Course Outline/ Course Objectives(授業の概要及び到達目標) (Contents of Class)　　((授業内容))	Instructor (担当教員名)	Department (講座名) Class Room 〔実施場所〕
1	Glia in neuronal disease (1)	Prof. Kiyama	Nagoya Univ. 〔not yet fixed〕
2	Glia in neuronal disease (2)	Prof. Kiyama	Nagoya Univ. 〔not yet fixed〕
3	Ion channels and transporters in neurological disease (1)	Prof. Ugawa	Nagoya City Univ 〔not yet fixed〕
4	Ion channels and transporters in neurological disease (2)	Prof. Ugawa	Nagoya City Univ 〔not yet fixed〕
5	Neurochemical/neurohistochemical analysis in neuroscience	Prof. Bando	Dept. of Anatomy 〔not yet fixed〕
6	Pathology in Neurodegenerative disases	Prof. Bando	Dept. of Anatomy 〔not yet fixed〕
7	Pathology of demyelinating disease in the CNS	Prof. Bando	Dept. of Anatomy 〔not yet fixed〕
8	Glia in psychiatric disorders	Prof. Bando	Dept. of Anatomy 〔not yet fixed〕
9	Glutamate and it receptor in the CNS (1)	Prof. Watanabe	Hokkaido Univ. 〔not yet fixed〕
10	Glutamate and it receptor in the CNS (2)	Prof. Watanabe	Hokkaido Univ. 〔not yet fixed〕

Grading Criteria （成績評価の基準と方法）
The evaluation will be based on the attendance and the submitted reports.
Contact Information (問い合わせ先(氏名, メールアドレス等))
Name: Yoshio Bando / E-mail: ybando@med.akita-u.ac.jp
Comment （その他特記事項）
Information on enrollment: If you are a working graduate student and cannot attend the practical training due to work, we will adjust the schedule (e.g. using the recorded lecture) as possible as we can. For lectures by external lecturers, the lecturer's schedule will be given priority and the schedule will be adjusted accordingly. Some of lectures conducted by the external lecturers will be able to be scheduled for the end of June and the middle of July due to the timing of their arrival. The schedule of external lecturers is as of now, and may be subject to change. Textbooks and reference materials: Materials will be handed out as needed. Self-study time: It is desirable to do preparatory study according to the objectives and class content.