NEUROWISSENSCHAFTLICHE GESELLSCHAFT E.V.

MEMBERSHIP APPLICATION FORM

I herewith apply for membership in the German Neuroscience Society

Entry into the membership directory of the German Neuroscience Society.:

Name	
First Name	
Title	
Affiliation:	
Institution (University, Company)	
Department	
Street	
Postal code + City + Country	
Telephone number	
Fax	
Email	
Private address:	
Street	
Postal code + City + Country	
Telephone number / Fax	

I am a student (enclose certificate): ❑ yes ❑ no Year of birth _____

I am: ❑ female ❑ male ❑ diverse

Membership Categories and Fees:

Seniors (Professor, PD, PI, Group Leader, Junior-Prof., etc.) ❑ 100,-- EURO/Year

Postdocs (post-graduate, PhD, Dr., etc.) ❑ 80,-- EURO/Year

Students, members in parental leave, retired and unemployed members ❑ 40,-- EURO/Year

Terms and conditions of the membership can be found in the statutes (available in German only: https://nwg-info.de/de/ueber_uns/satzung). By signing this document, I confirm that I am aware of it and accept the statutes and privacy policy.

Date: Signature:

I support this application for membership in the German Neuroscience Society

Name, Address of NWG Member

Name, Address of NWG Member

Date/Signature

Date/Signature

MEMBERSHIP APPLICATION FORM

I choose the following 2 sections:

- ❑ Behavioural Neurobiology
- ❑ Cellular Neurobiology
- ❑ Clinical Neuroscience
- ❑ Cognitive Neuroscience
- ❑ Computational Neuroscience
- ❑ Developmental Neurobiology und Neurogenetics
- ❑ Molecular Neurobiology
- ❑ Neuropharmacology and -toxicology
- ❑ Systems Neurobiology
- ❑ Young German Neuroscience Society - jNWG

My area of work involves the following fields (please choose no more then five topics from the list below and fill in the numbers):

1. ☐☐☐ 2. ☐☐☐ Others: _____
3. ☐☐☐ 4. ☐☐☐ _____
5. ☐☐☐ _____

My spectrum of methods involves the following fields (please choose no more then five topics from the list below and fill in the numbers):

1. ☐☐☐ 2. ☐☐☐ Others: _____
3. ☐☐☐ 4. ☐☐☐ _____
5. ☐☐☐ _____

❑ I agree with the use of any data for scientific information processing (**FENS membership**). This decision can be revoked at any time.

Please send your application to:

Stefanie Korthals
Neurowissenschaftliche Gesellschaft e.V.
Max-Delbrück-Centrum für Molekulare Medizin
Robert-Rössle-Str. 10
13125 Berlin

or send it via email/fax to:

korthals@mdc-berlin.de, +49 30 9406 2813

NEUROWISSENSCHAFTLICHE GESELLSCHAFT E.V.

Payment

Annual Fee:

Seniors (Professor, PD, PI, Group Leader, Junior-Prof., etc.)	100,-- EURO/Year
Postdocs (post-graduate, PhD, Dr., etc.)	80,-- EURO/Year
Students, members in parental leave, retired and unemployed members	40,-- EURO/Year

SEPA Direct Debit Mandate

Creditor identifier of the GNS: DE64NWG00001110437

I authorise the German Neuroscience Society to withdraw the annual membership fee of ❑ 100,-- EURO/Year ❑ 80,-- EURO/Year ❑ 40,-- EURO/Year.

from the following **bank account (only SEPA area)**:

IBAN: _____

Name of Bank: _____

BIC/SWIFT Code: _____

Furthermore I inform my bank to debit my account in accordance with the instructions from the GNS.

Place, Date: _____ Signature: _____

Account holder (Name, first name): _____

Address: _____

Payment via ❑ VISA-Card or ❑ Euro-/Mastercard

Card number: ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐

(These are the sixteen digits on the front of your credit card) (These are the three digits on the back of your card)

Exp. Date: ☐☐ / ☐☐ Name of the card holder: _____

Amount: _____ EURO Signature: _____

Bank Transfer

Correspondent bank: Deutsche Bank

IBAN: DE55 1007 0848 0463 8664 05
BIC / SWIFT-CODE: DEUTDEDB110

Please send your application to:

Stefanie Korthals
Neurowissenschaftliche Gesellschaft e.V.
Max-Delbrück-Centrum für Molekulare Medizin
Robert-Rössle-Str. 10
13125 Berlin

or send it via email/fax to:

korthals@mdc-berlin.de, +49 30 9406 2813

Topics

Please choose no more then **five topics** from the list below and fill in the numbers to the form:

Development and Plasticity
1 cell proliferation and lineage
2 cell migration
3 cell determination and differentiation
4 process outgrowth
5 trophic agents
6 (neuro)trophic factors
7 substrates, ECM, cell adhesion molecules
8 synaptogenesis
9 regressive events in neural development
10 endocrine control and development
11 nutritional and prenatal factors
12 plasticity in adult animals
13 regeneration and sprouting
14 transplantations
15 developmental disorders
16 regional and system development
17 ageing

Cell Biology
18 apoptosis, cell death
19 gene structure and function
20 regulation of gene expression
21 peptide and protein processing and sorting
22 membrane composition and cell-surface macromolecules
23 cytoskeleton, axonal transport
24 neuroglia and myelin
25 blood-brain barrier
26 neuroimmunology
27 staining and tracing techniques
28 protein chemistry
29 second messenger pathways

Excitable Membranes and Synaptic Transmission
30 synaptic structure and function
31 presynaptic mechanisms
32 postsynaptic mechanisms
33 pharmacology of synaptic transmission
34 ion channels
35 ion channels modulation and regulation
36 functional synaptic plasticity

Neurotransmitters, Modulators and Receptors
37 free radicals
38 (anti) oxidants
39 acetylcholine, cholinergic receptors
40 excitatory amino acids and their receptors
41 amino acids, GABA, benzodiazepines and receptors
42 peptides
43 opioids
44 catecholamines and their receptors
45 uptake, storage, secretion and metabolism
46 interactions between neurotransmitters,
47 co-transmission, co-localisation
48 regional localisation of receptors and transmitters
49 behavioural pharmacology
50 nucleotides and their receptors
51 other neuroactive substances (e.g. NO, adenosine)
52 serotonin and its receptors

Neuroendocrine and Autonomic Regulation
53 neuroendocrine control
54 regulation of autonomic and cardiovascular functions
55 biological rhythms and sleep
56 brain metabolism

Sensory Systems
57 somatic and visceral afferents
58 spinal cord
59 somatosensory pathways and cortex
60 sensory ganglia
61 pain
62 retina and photoreceptors
63 visual pathways and cortex
64 auditory systems
65 chemical senses
66 invertebrate sensory systems

Motor Systems and Sensorimotor Integration
67 cortex
68 basal ganglia
69 thalamus
70 cerebellum
71 vestibular system
72 oculomotor system
73 reflex function
74 spinal cord and brainstem
75 control of posture and movement
76 circuitry and pattern generation
77 invertebrate motor function
78 muscle

Other Systems of the CNS
79 limbic system
80 hypothalamus
81 hippocampus and amygdala
82 association cortex
83 brain stem systems
84 comparative neuroanatomy
85 brain of invertebrates
86 ventral cord of invertebrates

Behaviour
87 human behavioural neurobiology
88 brain function and language
89 interhemispheric relations lateralisation
90 transgenic/gene knockout animals and behaviour
91 learning and memory
92 spatial cognition
93 motivation and emotion
94 neuroethology
95 invertebrate learning and behaviour
96 feeding and drinking
97 hormonal control of behaviour
98 monoamines and behaviour
99 neuropeptides and behaviour
100 drugs of abuse
101 psychotherapeutic drugs
102 behavioural aspects of ageing
103 invertebrate sensory systems
104 invertebrate motor systems

Disorders of the Nervous System
105 genetic models
106 epilepsy
107 Alzheimer's
108 Parkinson's
109 Huntington's
110 degenerative disease others
111 ischemia/hypoxia
112 cerebrovascular diseases
113 tumors
114 neuromuscular diseases
115 motor neuron diseases
116 neuropathy
117 neuroprotection
118 behavioural disorders
119 neurotoxicity
120 neural protheses
121 clinical neurophysiology
122 psychosis
123 anxiety disorders

Computational Approaches
124 neural networks
125 artificial intelligence

Methods

Please choose no more than **five methods** from the list below and fill in the numbers to the form

Neuroanatomical Methods
1 histological techniques
2 in situ hybridization
3 receptor binding techniques
4 tracing techniques
5 immunocytochemistry
6 electron microscopy/immunoelectron microscopy
7 intracellular marking

Cellular and Developmental Neuroscience
8 cell culture techniques
9 organotypic tissue culture
10 neuronal cell culture
11 glial cell culture
12 immortalizing central nervous system cells
13 techniques to measure cell prolifaration, necrosis and apoptosis
14 experimental transplantation

Gene Cloning, Expression and Mutagenesis
15 PCR
16 cloning of neural gene products
17 interaction trap/two-hybrid system to identify interacting proteins
18 transient expression of proteins
19 mutagenesis approaches to study protein structure-function relationship
20 Gene targeting
21 Transgenic animals

Molecular Neuroscience
22 RNA analyses by nuclease protection
23 reducing gene expression in the brain via antisense methods
24 production of antibodies
25 epitope tagging of recombinant proteins
26 transcriptome analysis (DD-PCR, CHIPS, SAGE)
27 hyperexpression of proteins in situ
28 deletion of genes (knockout techniques)
29 proteomanalysis (2-D gel electrophoresis)
30 Knock-out methodology
31 germline transgenic methodology
32 somatic transgenic methodology
33 protein chemistry

Neurophysiology
34 use of brain slices
35 acute isolation of neural cells
36 extracellular recording techniques
37 intracellular recording techniques with sharp microelectrodes
38 patch-clamp recording
39 imaging nervous system activity
40 recording from behaving animals
41 recording from whole brains/ganglia

Neurochemistry/Neuropharmacology
42 microdialysis
43 analyzing radioligand binding data
44 ligand characterization using microphysiometry
45 uptake and release of neurotransmitters
46 optical uncaging of comounds
47 analysis of brain metabolism
48 protein chemistry
49 peptide sequencing
50 ELISA
51 systemic or local manipulation of brain functions

Behavioral Neuroscience
52 EMGs. EEGSs, recording of locomotory activity
53 locomotor behavior
54 sexual and reproductive behavior
55 animal tests of anxiety
56 learning and memory
57 measures of food intake and ingestive behaviour
58 methods of behavioral pharmacology
59 methods of behavioral physiology
60 sensory and perceptual physiology
61 psychophysics
62 navigation and orientation
63 choice strategies and optimization of behavior

Clinical Neuroscience
64 PET
65 MRI
66 DOPPLER
67 MEG
68 EEG
69 evoked potentials
70 CSF-analysis
71 animal models for diseases

Model Organisms
72 C. elegans
73 Drosophila
74 zebrafish
75 mouse
76 rat
77 human
78 annelid
79 mollusc
80 crustacean
81 insect
82 arthropod
83 invertebrate (other)
84 fish
85 amphibians and reptiles
86 rodent
87 bird (avian)
88 mammal
89 primate