

MEMBERSHIP APPLICATION FORM

 PAY ONE
 GET TWO
 2027

I herewith apply for the 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 | ☐ Developmental Neurobiology und Neurogenetics |
| ☐ Cellular Neurobiology | ☐ Molecular Neurobiology |
| ☐ Clinical Neuroscience | ☐ Neuropharmacology and -toxicology |
| ☐ Cognitive Neuroscience | ☐ Systems Neurobiology |
| ☐ Computational Neuroscience | |

I am a student and opt (in addition) for the Young German Neuroscience Society (jNWG):

- ☐ yes ☐ no

My area of work involves the following fields:

(please choose **no more than 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 than 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:

or send it via email to:

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

korthals@mdc-berlin.de

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: _____

Bank Transfer

Correspondent bank: Deutsche Bank

IBAN:

DE55 1007 0848 0463 8664 05

BIC / SWIFT-CODE: DEUTDEDB110

Payment via VISA-Card or Euro-/Mastercard

We kindly ask you to use payment by Visa or Eurocard/Mastercard only if payment by SEPA Direct Debit or bank transfer is not available. If this applies, please contact the NWG Office for further assistance.

Please send your application to:

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Neurowissenschaftliche Gesellschaft e.V.
Max-Delbrück-Centrum für Molekulare Medizin
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13125 Berlin

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Topics

Please choose no more than **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 prostheses
- 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 proliferation, 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 compounds
- 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, EEGs, 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