

ŽIVČANI SUSTAV I PONAŠANJE

(Neuroetologija)

[Predavanje](#) (otvara se u „full screen“ formatu)

Za samostalno proučavanje:

1. Poglavlje „Physiological Analysis: Nerve Cells and Behavior“ udžbenika: J. Goodenough, B. McGuire, E. Jakob: *“Perspectives on Animal Behavior, 3rd ed.”* (J. Wiley & Sons, 2010, ISBN 9780470045176)
2. Poglavlje „Neurobiology and Endocrinology for Animal Behaviorists“ udžbenika: M. D. Breed, J. Moore: *„Animal Behavior, 2nd ed.“* (Elsevier/Academic Press, 2016, ISBN 9780128015322)
3. Poglavlje „Hormones and Neurobiology“ udžbenika: L. A. Dugatkin: *„Principles of Animal Behavior, 3rd ed.“* (W. W. Norton & Company, 2014, ISBN 9780393922332)
4. Udžbenik P. Simmons, D. Young: *„Nerve Cells and Animal Behaviour, 3rd ed.“* (Cambridge University Press, 2010, ISBN 9780521728485)

Radovi:

„Neuroethology Survival Kit“ može se skinuti [odavde](#).

Neke istraživačke skupine:

<https://as.vanderbilt.edu/biosci/bio/kenneth-catania>
<http://biology.wfu.edu/faculty-research/william-conner/>
<https://www.michaelyartsev.com/>
<https://pbs.jhu.edu/directory/cynthia-moss/>
<http://www.ou.edu/cas/biology/people/faculty/michael-markham>
<https://integrativebiology.natsci.msu.edu/about/directory/gallant-jason/>
<https://artsci.wustl.edu/faculty-staff/bruce-carlson>
<https://nbb.cornell.edu/andrew-bass>
https://www.orn.mpg.de/2542/Department_Gahr
<https://www.zoo.cam.ac.uk/research/neurobiology-biomechanics-and-behaviour/insect-neurobiology>

Internetske stranice (pojmovi s predavanja):

<https://en.wikipedia.org/wiki/Neuroethology>
https://en.wikipedia.org/wiki/Primary_somatosensory_cortex
https://en.wikipedia.org/wiki/Sensory_maps
https://en.wikipedia.org/wiki/Cortical_homunculus
https://en.wikipedia.org/wiki/Receptive_field
<https://en.wikipedia.org/wiki/Electroreception>
https://en.wikipedia.org/wiki/Ampullae_of_Lorenzini
[https://en.wikipedia.org/wiki/Electric_organ_\(biology\)](https://en.wikipedia.org/wiki/Electric_organ_(biology))
https://en.wikipedia.org/wiki/Animal_echolocation
https://en.wikipedia.org/wiki/Echolocation_jamming
https://en.wikipedia.org/wiki/Sound_localization

https://en.wikipedia.org/wiki/Coincidence_detection_in_neurobiology

Životinje spomenute u predavanju:

https://en.wikipedia.org/wiki/Star-nosed_mole
https://en.wikipedia.org/wiki/Naked_mole-rat
<https://en.wikipedia.org/wiki/Aplysia>
https://en.wikipedia.org/wiki/California_sea_hare
https://en.wikipedia.org/wiki/Electric_fish
https://en.wikipedia.org/wiki/Marbled_electric_ray
https://en.wikipedia.org/wiki/Electric_catfish
https://en.wikipedia.org/wiki/Electric_eel
https://en.wikipedia.org/wiki/Astroscopus_guttatus
https://en.wikipedia.org/wiki/Peters%27_elephantnose_fish
https://en.wikipedia.org/wiki/Blue_shark
https://en.wikipedia.org/wiki/Great_white_shark
https://en.wikipedia.org/wiki/Tiger_shark
https://en.wikipedia.org/wiki/Small-spotted_catshark
https://en.wikipedia.org/wiki/Little_skate
<https://en.wikipedia.org/wiki/Platypus>
https://en.wikipedia.org/wiki/Common_toad
https://en.wikipedia.org/wiki/Greater_horseshoe_bat
https://en.wikipedia.org/wiki/Bertholdia_trigona
https://en.wikipedia.org/wiki/Barn_owl

Edukacijski filmovi:

1. „*Image Processing in the Visual system in the Common Toad*“ ([avi](#))
2. „*Gestalt Perception in the Common Toad - 1. Innate Prey Recognition*“ ([avi](#))
3. „*Gestalt Perception in the Common Toad - 2. Modification of Prey Recognition by Learning*“ ([avi](#))