



instytut biologii doświadczalnej
im. Marcelego Nenckiego PAN

PUBLIKACJE

2019

Opracował zespół Biblioteki w składzie:

Jan **Bienias**, Maja **Brzozowska**, Paweł **Fischer**, Mariusz **Pasznik**

Warszawa 2020

SPIS PUBLIKACJI
INSTYTUTU BIOLOGII DOŚWIADCZALNEJ
im. M. NENCKIEGO PAN
ZA ROK 2019¹

1. **Antoniuk S., Bijata M., Ponimaskin E., Włodarczyk J. (2019)**
Chronic unpredictable mild stress for modeling depression in rodents: meta-analysis of model reliability.
Neurosci. Biobehav. Rev., **99**, s. 101-116.
doi: 10.1016/j.neubiorev.2018.12.002
2. ***Arbaszewska A., Tobiasz P., Borys F., Joachimiak E., Fabczak H., Krawczyk H. (2019)***
Selektywna redukcja grup nitrowych w pochodnych dibenzo[b,f]oksepiny.
W: *Nauka i przemysł. Metody spektroskopowe w praktyce, nowe wyzwania i możliwości : praca zbiorowa.* Hubicki Z. (red.), Lublin: Wydawnictwo Uniwersytetu Marii Curie-Skłodowskiej, s. 154-157.
3. ***Atapour N., Majka P., Wolkowicz I.H., Malamanova D., Worthy K.H., Rosa M.G.P. (2019)***
Neuronal distribution across the cerebral cortex of the marmoset monkey (*Callithrix jacchus*).
Cereb. Cortex, **29**, s. 3836-3863.
doi: 10.1093/cercor/bhy263
4. ***Bartkowska K., Tepper B., Gawda A., Jarosik M., Sobolewska P., Turlejski K., Djavadian R.L. (2019)***
Inhibition of TrkB- and TrkC-signaling pathways affects neurogenesis in the opossum developing neocortex.
Cereb. Cortex, **29**, s. 3666-3675.
doi: 10.1093/cercor/bhy246
5. ***Bartoszewska S., Cabaj A., Dąbrowski M., Collawn J.F., Bartoszewski R. (2019)***
miR-34c-5p modulates X-box-binding protein 1 (XBP1) expression during the adaptive phase of the unfolded protein response.
Faseb J., **33**, s. 11541-11554.
doi: 10.1096/fj.201900600RR

¹ Pogrubioną czcionką wyróżniono nazwiska autorów podających afiliację IBD. Podkreślono nazwiska, w których autor podaje też drugą afiliację.

6. *Bartoszewski R., Moszyńska A., Serocki M., **Cabaj A.**, Polten A., Ochocka R., Dell'Italia L., Bartoszewska S., Króliczewski J., **Dąbrowski M.**, Collawn J.F. (2019)*
Primary endothelial cell-specific regulation of hypoxia-inducible factor (HIF)-1 and HIF-2 and their target gene expression profiles during hypoxia.
Faseb J., **33**, s. 7929-7941.
doi: 10.1096/fj.201802650RR

7. ***Beroun A., Mitra S., Michaluk P., Pijet B., Stefaniuk M., Kaczmarek L. (2019)***
MMPs in learning and memory and neuropsychiatric disorders.
Cell. Mol. Life Sci., **76**, s. 3207-3228.
doi: 10.1007/s00018-019-03180-8

8. *Biały Ł.P., Kuckelkorn U., Henklein P., Fayet J., **Wilczyński G.M.**, Kamiński A., Młynarczuk-Biały I. (2019)*
Changes in spatio-temporal localization of tripeptidyl peptidase II (TPPII) in murine colon adenocarcinoma cells during aggressive formation: a microscopy study based on a novel fluorescent proteasome inhibitor.
Histol. Histopathol., **34**, s. 359-372.
doi: 10.14670/HH-18-042

9. ***Bielak-Żmijewska A., Grabowska W., Ciołko A., Bojko A., Mosieniak G., Bijoch Ł., Sikora E. (2019)***
The role of curcumin in the modulation of ageing.
Int. J. Mol. Sci., **20**, s. 1-22.
art. no. 1239, doi: 10.3390/ijms20051239

10. *Bielezyk N.Z., Piskala K., **Plomecka M.**, Radziński P., Todorova L., Foryś U. (2019)*
Time-delay model of perceptual decision making in cortical networks.
PLoS One, **14**, s. 1-18.
art. no. e0211885, doi: 10.1371/journal.pone.0211885

11. ***Bienias J., Brzozowska M., Pasznik M. (Red.) (2019)***
Bibliografia dorobku pracowników Instytutu Biologii Doświadczalnej im. Marcelego Nenckiego 1912-2018.
Warszawa: IBD PAN, 1089 s.

12. ***Bierzyńska M., Sobczak P.A., Kozak A., Bielecki M., Strelau J., **Kossut M.M.** (2019)***
No risk, no differences. Neural correlates of temperamental traits revealed using naturalistic fMRI method.
Front. Psychol., **10**, s. 1-15.
art. no. 1757, doi: 10.3389/fpsyg.2019.01757

13. *Blanchard D.C., **Meyza K.Z.** (2019)*
Risk assessment and serotonin: animal models and human psychopathologies.
Behav. Brain Res., **357-358**, s. 9-17.
doi: 10.1016/j.bbr.2017.07.008

14. **Bohush A., Bieganowski P., Filipek A. (2019)**
Hsp90 and its co-chaperones in neurodegenerative diseases.
Int. J. Mol. Sci., **20**, s. 1-15.
art. no. 4976, doi: 10.3390/ijms20204976

15. **Bohush A., Niewiadomska G., Weis S., Filipek A. (2019)**
HSP90 and its novel co-chaperones, SGT1 and CHP-1, in brain of patients with Parkinson's disease and dementia with Lewy bodies.
J. Parkinsons Dis., **9**, s. 97-107.
doi: 10.3233/JPD-181443

16. **Bojko A., Czarnecka-Herok J., Charzyńska A., Dąbrowski M., Sikora E. (2019)**
Diversity of the senescence phenotype of cancer cells treated with chemotherapeutic agents.
Cells, **8**, s. 1-18.
art. no. 1501, doi: 10.3390/cells8121501

17. **Bola Ł., Matuszewski J., Szczepanik M., Drożdżel D., Śliwińska M.W., Paplińska M., Jednoróg K., Szwed M., Marchewka A. (2019)**
Functional hierarchy for tactile processing in the visual cortex of sighted adults.
Neuroimage, **202**, s. 1-11.
art. no. 116084, doi: 10.1016/j.neuroimage.2019.116084

18. **Bonora M., Więckowski M.R., Sinclair D.A., Kroemer G., Pinton P., Galluzzi L. (2019)**
Targeting mitochondria for cardiovascular disorders: therapeutic potential and obstacles.
Nat. Rev. Cardiol., **16**, s. 33-55.
doi: 10.1038/s41569-018-0074-0

19. **Borczyk M., Śliwińska M.A., Cały A., Bernaś T., Radwańska K. (2019)**
Neuronal plasticity affects correlation between the size of dendritic spine and its postsynaptic density.
Sci. Rep., **9**, s. 1-12.
art. no. 1693, doi: 10.1038/s41598-018-38412-7

20. **Borys F., Arbaszewska A., Tobiasz P., Joachimiak E., Fabczak H., Krawczyk H. (2019)**
Synteza aminowych pochodnych dibenzo[b,f]oksepiny.
W: Nauka i przemysł. Metody spektroskopowe w praktyce, nowe wyzwania i możliwości : praca zbiorowa. Hubicki Z. (red.), Lublin: Wydawnictwo Uniwersytetu Marii Curie-Skłodowskiej, s. 149-153.

21. **Brzdąk P., Wójcicka O., Zaręba-Koziół M., Minge D., Henneberger C., Włodarczyk J., Mozrzymas J.W., Wójtowicz T. (2019)**
Synaptic potentiation at basal and apical dendrites of hippocampal pyramidal neurons involves activation of a distinct set of extracellular and intracellular molecular cues.
Cereb. Cortex, **29**, s. 283-304.
doi: 10.1093/cercor/bhx324

22. **Chyl K., Dębska A., Łuniewska M., Marchewka A., Kossowski B., Pugh K.R., Jednoróg K. (2019)**
Reading acquisition in children: developmental processes and dyslexia specific effects.
J. Am. Acad. Child Adolesc. Psychiatry, **58**, s. 948-960.
doi: 10.1016/j.jaac.2018.11.007
23. **Ciesielska A., Hromada-Judycka A., Ziemińska E., Kwiatkowska K. (2019)**
Lysophosphatidic acid up-regulates IL-10 production to inhibit TNF- α synthesis in M ϕ s stimulated with LPS.
J. Leukoc. Biol., **106**, s. 1285-1301.
doi: 10.1002/JLB.2A0918-368RR
24. **Cieślak M., Kaźmierczak-Barańska J., Królewska-Golińska K., Napiórkowska M., Stukan I., Wojda U., Nawrot B. (2019)**
New thalidomide-resembling dicarboximides target ABC50 protein and show antileukemic and immunomodulatory activities.
Biomolecules, **9**, s. 1-29.
art. no. E446, doi: 10.3390/biom9090446
25. **Cygan H.B., Marchewka A., Kotlewska I., Nowicka A. (2019)**
Neural correlates of reflection on present and past selves in autism spectrum disorder.
J. Autism Dev. Disord., **49**, s. 1267-1277.
doi: 10.1007/s10803-018-3621-y
26. **Czajkowska M., Brzęk P., Dobrzyń P. (2019)**
A novel polymorphism in the fatty acid desaturase 2 gene (Fads2): a possible role in the basal metabolic rate.
PLoS One, **14**, s. 1-16.
art. no. e0213138, doi: 10.1371/journal.pone.0213138
27. **Dąbrowska M., Skoneczny M., Uram Ł., Rode W. (2019)**
Methotrexate-induced senescence of human colon cancer cells depends on p53 acetylation, but not genomic aberrations.
Anti-Cancer Drugs, **30**, s. 374-382.
doi: 10.1097/CAD.0000000000000731
28. **Dąbrowski M.J., Wojtaś B. (2019)**
Global DNA methylation patterns in human gliomas and their interplay with other epigenetic modifications.
Int. J. Mol. Sci., **20**, s. 1-17.
art. no. E3478, doi: 10.3390/ijms20143478
29. **Dec K., Łukomska A.M., Skonieczna-Żydecka K., Kolasa-Wołosz A., Tarnowski M., Baranowska-Bosiacka I., Gutowska I. (2019)**
Long-term exposure to fluoride as a factor promoting changes in the expression and activity of cyclooxygenases (COX1 and COX2) in various rat brain structures.
Neurotoxicology, **74**, s. 81-90.
doi: 10.1016/j.neuro.2019.06.001

30. **Dębska A., Chyl K., Dzięgiel G., Kacprzak A., Luniewska M., Plewko J., Marchewka A., Grabowska A., Jednoróg K. (2019)**
Reading and spelling skills are differentially related to phonological processing: behavioral and fMRI study.
Dev. Cogn. Neurosci., **39**, s. 1-8.
art. no. 100683, doi: 10.1016/j.dcn.2019.100683
31. **Dowjat K., Adayev T., Wojda U., Brzozowska K., Barczak A., Gabryelewicz T., Hwang Y. (2019)**
Abnormalities of DYRK1A-cytoskeleton complexes in the blood cells as potential biomarkers of Alzheimer's disease.
J. Alzheimers Dis., **72**, s. 1059-1075.
doi: 10.3233/JAD-190475
32. **Dragan W.L., Jednoróg K., Marchewka A. (2019)**
Sex-specific relationship of childhood adversity with gray matter volume and temperament.
Front. Behav. Neurosci., **13**, s. 1-9.
art. no. 71, doi: 10.3389/fnbeh.2019.00071
33. **Dymkowska D., Drabarek B., Michalik A., Nowak N., Zabłocki K. (2019)**
TNF α stimulates NO release in EA.hy926 cells by activating the CaMKK β -AMPK-eNOS pathway.
Int. J. Biochem. Cell Biol., **106**, s. 57-67.
doi: 10.1016/j.biocel.2018.11.010
34. **Ejsmont-Karabin J. (2019)**
Does the world need faunists? Based on rotifer (*Rotifera*) occurrence reflections on the role of faunistic research in ecology.
Int. Rev. Hydrobiol., **104**, s. 49-56.
doi: 10.1002/iroh.201901991
35. **Ejsmont-Karabin J., Karpowicz M. (2019)**
Epizoic rotifers on *Dreissena polymorpha* in relation to biotic factors.
Hydrobiologia, **828**, s. 137-145.
doi: 10.1007/s10750-018-3808-4
36. **Ellert-Miklaszewska A., Ochocka N., Maleszewska M., Ding L., Laurini E., Jiang Y., Roura A.J., Giorgio S., Gielniewski B., Pricl S., Peng L., Kamińska B. (2019)**
Efficient and innocuous delivery of small interfering RNA to microglia using an amphiphilic dendrimer nanovector.
Nanomedicine (Lond.), **14**, s. 2441-2459.
doi: 10.2217/nnm-2019-0176
37. **Fabczak H. (2019)**
Rzęska - prawdziwa nanomaszyna.
W: Art and science 3. Siła struktur biologicznych [katalog wystawowy]. Iskra-Paczkowska A. (red. nauk.), Rzeszów: Uniwersytet Rzeszowski, s. 49-52.

38. **Fabczak H., Osinka A. (2019)**
Role of the novel Hsp90 co-chaperones in dynein arms' preassembly.
Int. J. Mol. Sci., **20**, s. 1-15.
art. no. 6174, doi: 10.3390/ijms20246174
39. **Fedorczyk B., Lipiński P.F.J., Puszko A.K., Tymecka D., Wileńska B., Dudka W., Perret G.Y., Wieczorek R., Misicka A. (2019)**
Triazolo-peptides inhibiting the interaction between neuropilin-1 and vascular endothelial growth factor-165.
Molecules, **24**, s. 1-19.
art. no. E1756, doi: 10.3390/molecules24091756
40. **Feniova I.Y., Razlutskiy V.I., Gladyshev M.I., Kostrzewska-Szłakowska I., Majsak N.N., Rzepecki M., Sushchik N.N., Zilitinkevich N.S. (2019)**
Factors of dynamics of plankton crustacean communities under eutrophic conditions.
Russ. J. Ecol., **50**, s. 50-57.
doi: 10.1134/S1067413619010028
41. **Fernandez-Albert J., Lipiński M., Lopez-Cascales M.T., Rowley M.J., Martin-Gonzalez A.M., del Blanco B., Corces V.G., Barco A. (2019)**
Immediate and deferred epigenomic signatures of in vivo neuronal activation in mouse hippocampus.
Nat. Neurosci., **22**, s. 1718-1730.
doi: 10.1038/s41593-019-0476-2
42. **Flis D.J., Dzik K., Kaczor J.J., Ciemiński K., Halon-Gotłąbek M., Antosiewicz J., Więckowski M.R., Ziółkowski W. (2019)**
Swim training modulates mouse skeletal muscle energy metabolism and ameliorates reduction in grip strength in a mouse model of amyotrophic lateral sclerosis.
Int. J. Mol. Sci., **20**, s. 1-14.
art. no. E233, doi: 10.3390/ijms20020233
43. **Gadecka A., Bielak-Żmijewska A. (2019)**
Slowing down ageing: the role of nutrients and microbiota in modulation of the epigenome.
Nutrients, **11**, s. 1-36.
art. no. E1251, doi: 10.3390/nu11061251
44. **Gajewska-Dendek E., Wróbel A., Bekisz M., Suffczyński P. (2019)**
Lateral inhibition organizes beta attentional modulation in the primary visual cortex.
Int. J. Neural Syst., **29**, s. 1-15.
art. no. 1850047, doi: 10.1142/S0129065718500478

45. *Gasiūniene M., Zentelyte A., Wojtaś B., Baronaite S., Krasovskaja N., Savickiene J., Gielniewski B., Kamińska B., Utkus A., Navakauskiene R. (2019)*
DNA methyltransferases inhibitors effectively induce gene expression changes suggestive of cardiomyogenic differentiation of human amniotic fluid-derived mesenchymal stem cells via chromatin remodeling.
J. Tissue Eng. Regen. Med., **13**, s. 469-481.
doi: 10.1002/term.2800
46. *Gawron N., Choiński M., Szymańska-Kotwica B., Pluta A., Sobańska M., Egbert A.R., Desowska A., Wolak T., Horban A., Firląg-Burkacka E., Bieńkowski P., Sienkiewicz-Jarosz H., Scińska-Bieńkowska A., Biswal B., Rao S.M., Bornstein R., Łojek E. (2019)*
Effects of age, HIV and HIV-associated clinical factors on neuropsychological functioning and brain regional volume in HIV+ patients on effective treatment.
J. Neurovirol., **25**, s. 9-21.
doi: 10.1007/s13365-018-0679-4
47. *Gąska M., Kasprowicz G., Flis A., Mankiewicz L., Knapska E., Boguszewski P.M., Winiarski M., Borowska J. (2019)*
Modular control system for behavioral experiments.
W: *Proceedings SPIE 11176, Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments 2019*, 26 May - 2 June 2019, Wilga (Poland). Ed. by Romaniuk R., Linczuk M. Bellingham, Washington: SPIE, [s. 1-4].
art. no. 111762N, doi: 10.1117/12.2536686 (Proceedings of SPIE, 11176)
48. *Godzińska E.J. (2019)*
Etologia i co dalej? Niektóre filozoficzne kwestie kształtujące badania zachowania zwierząt.
Filozofia i Nauka, **7**, s. 69-89.
49. *Godzińska E.J. (2019)*
Prof. dr hab. Jerzy Andrzej Chmurzyński (11.03.1929 - 1.07.2019): entomolog, etolog, filozof, człowiek renesansu.
Wszechświat, **120**, s. 282-286.
50. *Godzińska E.J., Korczyńska J., Szczuka A. (2019)*
Dyadic nestmate reunion test in the research on ant social behavior.
Kosmos, **68**, s. 561-574.
doi: 10.36921/kos.2019_2615
51. *Gorinski N., Bijata M., Prasad S., Wirth A., Galil D.A., Zeug A., Bazovkina D., Kondaurova E., Kulikova E., Ilchibaeva T., Zaręba-Kozioł M., Papaleo F., Scheggia D., Kochlamazashvili G., Dityatev A., Smyth I., Krzystyniak A., Włodarczyk J., Richter D.W., Strelakova T., Sigrist S., Bang C., Hobuß L., Fiedler J., Thum T., Naumenko V.S., Pandey G., Ponimaskin E. (2019)*
Attenuated palmitoylation of serotonin receptor 5-HT1A affects receptor function and contributes to depression-like behaviors.
Nat. Commun., **10**, s. 1-14.
art. no. 3924, doi: 10.1038/s41467-019-11876-5

52. Goulas A., ***Majka P.***, Rosa M.G.P., Hilgetag C.C. (2019)
A blueprint of mammalian cortical connectomes.
PLoS Biol., **17**, s. 1-30.
art. no. e2005346, doi: 10.1371/journal.pbio.2005346
53. ***Grabowska W., Mosieniak G., Achtabowska N., Czochara R., Litwinienko G., Bojko A., Sikora E., Bielak-Żmijewska A.*** (2019)
Curcumin induces multiple signaling pathways leading to vascular smooth muscle cell senescence.
Biogerontology, **20**, s. 783-798.
doi: 10.1007/s10522-019-09825-2
54. ***Graczyk-Jarzynka A., Sobiak B., Mlącki M., Wilanowski T., Leśniak W.*** (2019)
S100A6 activates EGFR and its downstream signaling in HaCaT keratinocytes.
J. Cell. Physiol., **234**, s. 17561-17569.
doi: 10.1002/jcp.28379
55. ***Grattagliano I., Montezinho L.P., Oliveira P.J., Frühbeck G., Gómez-Ambrosi J., Montecucco F., Carbone F., Więckowski M.R., Wang D.Q.H., Portincasa P.*** (2019)
Targeting mitochondria to oppose the progression of nonalcoholic fatty liver disease.
Biochem. Pharmacol., **160**, s. 34-45.
doi: 10.1016/j.bcp.2018.11.020
56. ***Gręda A., Nowicka D.*** (2019)
Chondroitin sulfate metabolism in the brain.
Acta Neurobiol. Exp., **79**, s. 338-351.
doi: 10.21307/ane-2019-032
57. ***Grycz K., Głowacka A., Ji B., Czarkowska-Bauch J., Gajewska-Woźniak O., Skup M.*** (2019)
Early pre- and postsynaptic decrease in glutamatergic and cholinergic signaling after spinalization is not modified when stimulating proprioceptive input to the ankle extensor α -motoneurons: Anatomical and neurochemical study.
PLoS One, **14**, s. 1-21.
art. no. e0222849, doi: 10.1371/journal.pone.0222849
58. ***Grzegorzewski P., Kulesza M., Pluta A., Iqbal Z., Kucharska K.*** (2019)
Assessing self-reported empathy and altruism in patients suffering from enduring borderline personality disorder.
Psychiatry Res., **273**, s. 798-807.
art. no. S0165-1781(18)31077-1, doi: 10.1016/j.psychres.2018.12.109

59. *Hogendorf A.S., Hogendorf A., Popiolek-Barczyk K., Ciechanowska A., Mika J., Satala G., Walczak M., Latacz G., Handzlik J., Kieć-Kononowicz K., Ponimaskin E., Schade S., Zeug A., **Bijata M.**, Kubicki M., Kurczab R., Lenda T., Staroń J., Bugno R., Duszyńska B., Pilarski B., Bojarski A.J. (2019)*
 Fluorinated indole-imidazole conjugates: selective orally bioavailable 5-HT₇ receptor low-basicity agonists, potential neuropathic painkillers.
 Eur. J. Med. Chem., **170**, s. 261-275.
 doi: 10.1016/j.ejmech.2019.03.017
60. ***Hunt M.J.**, Adams N.E., **Średniawa W.**, **Wójcik D.K.**, Simon A., **Kasicki S.**, Whittington M.A. (2019)*
 The olfactory bulb is a source of high-frequency oscillations (130-180 Hz) associated with a subanesthetic dose of ketamine in rodents.
 Neuropsychopharmacology, **44**, s. 435-442.
 doi: 10.1038/s41386-018-0173-y
61. ***Jarmuła A.**, Łusakowska A., Fichna J.P., **Topolewska M.**, Macias A., Johnson K., Töpf A., Straub V., Rosiak E., Szczepaniak K., Dunin-Horkawicz S., Maruszak A., Kamińska A.M., **Rędownicz M.J.** (2019)*
 ANO5 mutations in the Polish limb girdle muscular dystrophy patients: Effects on the protein structure.
 Sci. Rep., **9**, s. 1-17.
 art. no. 11533, doi: 10.1038/s41598-019-47849-3
62. *Jarmuszkiewicz W., Szewczyk A. (2019)*
 Energy-dissipating hub in muscle mitochondria: potassium channels and uncoupling proteins.
 Arch. Biochem. Biophys., **664**, s. 102-109.
 doi: 10.1016/j.abb.2019.01.036
63. *Jaworska A., **Pyrak E.**, Kudelski A. (2019)*
 Comparison of the efficiency of generation of Raman radiation by various Raman reporters connected via DNA linkers to different plasmonic nano-structures.
 Vib. Spectrosc., **101**, s. 34-39.
 doi: 10.1016/j.vibspec.2019.01.002
64. *Jaworska K., Hering D., Mosieniak G., **Bielak-Żmijewska A.**, Pilz M., Konwerski M., Gasecka A., Kapłon-Cieślicka A., Filipiak K., **Sikora E.**, Hołyst R., Ufnal M. (2019)*
 TMA, a forgotten uremic toxin, but not TMAO, is involved in cardiovascular pathology.
 Toxins, **11**, s. 1-11.
 art. no. E490, doi: 10.3390/toxins11090490
65. ***Jaworski T.**, **Banach-Kasper E.**, **Gralec K.** (2019)*
 GSK-3β at the intersection of neuronal plasticity and neurodegeneration.
 Neural Plast., **2019**, s. 1-14.
 art. no. ID 4209475, doi: 10.1155/2019/4209475

66. **Jazurek-Ciesiolka M., Janikiewicz J., Dobrzyń P., Dziewulska A., Koziński K., Dobrzyń A. (2019)**
Oleic acid increases the transcriptional activity of FoxO1 by promoting its nuclear translocation and β -catenin binding in pancreatic β -cells.
Biochim. Biophys. Acta – Mol. Basis Dis., **1865**, s. 2753-2764.
doi: 10.1016/j.bbadis.2019.06.018
67. **Jeziński T., Dzieciol M., Szumny A., Nizański W., Woszczyło M., Pieczewska B., Godzińska E.J. (2019)**
Discrimination of estrus odor in urine by male dogs in different experimental settings.
J. Vet. Behav., **29**, s. 25-30.
doi: 10.1016/j.jveb.2018.10.003
68. **Jędrzejewska-Szmek J., Blackwell K.T. (2019)**
From membrane receptors to protein synthesis and actin cytoskeleton: mechanisms underlying long lasting forms of synaptic plasticity.
Semin. Cell Dev. Biol., **95**, s. 120-129.
doi: 10.1016/j.semcd.2019.01.006
69. **Jiang Y.Y., Maier W., Baumeister R., Joachimiak E., Ruan Z., Kannan N., Clarke D., Louka P., Guha M., Frankel J., Gaertig J. (2019)**
Two antagonistic hippo signaling circuits set the division plane at the medial position in the ciliate Tetrahymena.
Genetics, **211**, s. 651-663.
doi: 10.1534/genetics.118.301889
70. **Jiang Y.Y., Maier W., Baumeister R., Minevich G., Joachimiak E., Włoga D., Ruan Z., Kannan N., Bocarro S., Bahraini A., Vasudevan K.K., Lechtreck K., Orias E., Gaertig J. (2019)**
LF4/MOK and a CDK-related kinase regulate the number and length of cilia in Tetrahymena.
PLoS Genet., **15**, s. 1-31.
art. no. e1008099, doi: 10.1371/journal.pgen.1008099
71. **Kalinowska K., Ejsmont-Karabin J., Feniova I.Y., Kostrzevska-Szlakowska I., Rzepecki M., Petrosyan V.G., Seleznev D.G. (2019)**
Effects of Zebra Mussels *Dreissena Polymorpha* (Pallas) on the microbial loop in mesotrophic mesocosms.
Inland Water Biol., **12**, s. 42-48.
doi: 10.1134/S1995082919010115
72. **Kalwarczyk E., Kabaciński P., Kardaś T.M., Górecka E., Biłski H., Fiałkowski M. (2019)**
A seedless method for gold nanoparticle growth inside a silica matrix: fabrication of materials capable of third-harmonic generation in the near-infrared.
Chempluschem, **84**, s. 525-533.
doi: 10.1002/cplu.201900224

73. ***Kamińska B., Czapski B., Guzik R., Król S.K., Gielniewski B. (2019)***
Consequences of IDH1/2 mutations in gliomas and an assessment of inhibitors targeting mutated IDH proteins.
Molecules, **24**, s. 1-17.
art. no. 968, doi: 10.3390/molecules24050968
74. ***Kampa R.P., Kicińska A., Jarmuszkiewicz W., Pasikowska-Piwko M., Dołęgowska B., Dębowska R., Szewczyk A., Bednarczyk P. (2019)***
Naringenin as an opener of mitochondrial potassium channels in dermal fibroblasts.
Exp. Dermatol., **28**, s. 543-550.
doi: 10.1111/exd.13903
75. ***Karpowicz M., Ejsmont-Karabin J., Więcko A., Górniak A., Cudowski A. (2019)***
A place in space - the horizontal vs vertical factors that influence zooplankton (*Rotifera*, *Crustacea*) communities in a mesotrophic lake.
J. Limnol., **78**, s. 243-258.
doi: 10.4081/jlimnol.2019.1886
76. ***Karpowicz M., Feniova I.Y., Gladyshev M.I., Ejsmont-Karabin J., Górniak A., Zieliński P., Dawidowicz P., Kolmakova A.A., Działowski A.R. (2019)***
The stoichiometric ratios (C:N:P) in a pelagic food web under experimental conditions.
Limnologica, **77**, s. 1-9.
art. no. 125690, doi: 10.1016/j.limno.2019.125690
77. ***Kepser L.J., Damar F., De Cicco T., Chaponnier C., Prószyński T.J., Pagenstecher A., Rust M.B. (2019)***
CAP2 deficiency delays myofibril actin cytoskeleton differentiation and disturbs skeletal muscle architecture and function.
Proc. Natl. Acad. Sci. U.S.A., **116**, s. 8397-8402.
doi: 10.1073/pnas.1813351116
78. ***Khan M.I., Dowarha D., Katte R., Chou R.H., Filipek A., Yu C. (2019)***
Lysozyme as the anti-proliferative agent to block the interaction between S100A6 and the RAGE V domain.
PLoS One, **14**, s. 1-14.
art. no. e0216427, doi: 10.1371/journal.pone.0216427
79. ***Kluz M., Nieznańska H., Dec R., Dziecielewski I., Niżyński B., Ścibisz G., Puławski W., Staszczak G., Klein E., Smalc-Koziorowska J., Dzwolak W. (2019)***
Revisiting the conformational state of albumin conjugated to gold nanoclusters: A self-assembly pathway to giant superstructures unraveled.
PLoS One, **14**, s. 1-21.
art. no. e0218975, doi: 10.1371/journal.pone.0218975
80. ***Kodirov S.A., Psyrakis D., Brachmann J., Zhuravlev V.L. (2019)***
Limulus and heart rhythm.
J. Exp. Zool. A Ecol. Integr. Physiol., **331**, s. 61-79.
doi: 10.1002/jez.2235

81. **Kodirov S.A., Zhuravlev V.L., Brachmann J. (2019)**
Prevailing effects of ibutilide on fast delayed rectifier K⁺ channel.
J. Membr. Biol., **252**, s. 609-616.
doi: 10.1007/s00232-019-00098-x
82. ***Kolba M.D., Dudka W., Zaręba-Kozioł M., Kominek A., Ronchi P., Tuross L., Chrościcki P., Włodarczyk J., Schwab Y., Klejman A., Cysewski D., Srpan K., Davis D.M., Piwocka K. (2019)***
Tunneling nanotube-mediated intercellular vesicle and protein transfer in the stroma-provided imatinib resistance in chronic myeloid leukemia cells.
Cell Death Dis., **10**, s. 1-16.
art. no. 817, doi: 10.1038/s41419-019-2045-8
83. ***Kolosowska K., Gawryluk A., Wisłowska-Stanek A., Liguz-Lęcznar M., Hetmańczyk K., Ługowska A., Sobolewska A., Skórzewska A., Gryz M., Lehner M. (2019)***
Stress changes amphetamine response, D2 receptor expression and epigenetic regulation in low-anxiety rats.
Prog. Neuropsychopharmacol. Biol. Psychiatry, **93**, s. 256-268.
doi: 10.1016/j.pnpbp.2019.04.009
84. **Komiażyk M., Palczewska M., Sitkiewicz I., Pikuła S., Groves P. (2019)**
Neutralization of cholera toxin by Rosaceae family plant extracts.
BMC Complement. Altern. Med., **19**, s. 1-14.
art. no. 140, doi: 10.1186/s12906-019-2540-6
85. ***Kondrakiewicz K., Kostecki M., Szadzińska W., Knapska E. (2019)***
Ecological validity of social interaction tests in rats and mice.
Genes Brain Behav., **18**, s. 1-14.
art. no. e12525, doi: 10.1111/gbb.12525
86. ***Kondrakiewicz K., Rokosz-Andraka K., Nikolaev T., Górkiewicz T., Danielewski K., Gruszczyńska A., Meyza K.Z., Knapska E. (2019)***
Social transfer of fear in rodents.
Curr. Protoc. Neurosci., **90**, s. 1-23.
art. no. 85, doi: 10.1002/cpns.85
87. **Kossowski B., Chyl K., Kacprzak A., Bogorodzki P., Jednoróg K. (2019)**
Dyslexia and age related effects in the neurometabolites concentration in the visual and temporo-parietal cortex.
Sci. Rep., **9**, s. 1-11.
art. no. 5096, doi: 10.1038/s41598-019-41473-x
88. ***Kovalchuk V., Samluk Ł., Juraszek B., Jurkiewicz-Trzaska D., Sucic S., Freissmuth M., Nałęcz K.A. (2019)***
Trafficking of the amino acid transporter B^{0,+} (SLC6A14) to the plasma membrane involves an exclusive interaction with SEC24C for its exit from the endoplasmic reticulum.
Biochim. Biophys. Acta – Mol. Cell Res., **1866**, s. 252-263.
doi: 10.1016/j.bbamcr.2018.11.005

89. **Kowalski J., Wypych M., Marchewka A., Dragan M. (2019)**
Neural correlates of cognitive-attentional syndrome: an fMRI study on repetitive negative thinking induction and resting state functional connectivity.
Front. Psychol., **10**, s. 1-16.
art. no. 648, doi: 10.3389/fpsyg.2019.00648
90. **Koza P., Beroun A., Konopka A., Górkiewicz T., Bijoch Ł., Torres J.C., Bulska E., Knapska E., Kaczmarek L., Konopka W. (2019)**
Neuronal TDP-43 depletion affects activity-dependent plasticity.
Neurobiol. Dis., **130**, s. 1-12.
art. no. 104499, doi: 10.1016/j.nbd.2019.104499
91. **Krzystyniak A., Baczyńska E., Magnowska M., Antoniuk S., Roszkowska M., Zaręba-Kozioł M., Das N., Basu S., Piłkuła M., Włodarczyk J. (2019)**
Prophylactic ketamine treatment promotes resilience to chronic stress and accelerates recovery: correlation with changes in synaptic plasticity in the CA3 subregion of the hippocampus.
Int. J. Mol. Sci., **20**, s. 1-15.
art. no. 1726, doi: 10.3390/ijms20071726
92. **Kulesza D.W., Przanowski P., Kamińska B. (2019)**
Knockdown of STAT3 targets a subpopulation of invasive melanoma stem-like cells.
Cell Biol. Int., **43**, s. 613-622.
doi: 10.1002/cbin.11134
93. **Kulesza D.W., Ramji K., Maleszewska M., Mieczkowski J., Dąbrowski M., Chouaib S., Kamińska B. (2019)**
Search for novel STAT3-dependent genes reveals SERPINA3 as a new STAT3 target that regulates invasion of human melanoma cells.
Lab. Invest., **99**, s. 1607-1621.
doi: 10.1038/s41374-019-0288-8
94. **Kulma M., Dadlez M., Kwiatkowska K. (2019)**
Insight into the structural dynamics of the lysenin during prepore-to-pore transition using hydrogen-deuterium exchange mass spectrometry.
Toxins, **11**, s. 1-24.
art. no. E462, doi: 10.3390/toxins11080462
95. **Kulma M., Kacprzyk-Stokowiec A., Traczyk G., Kwiatkowska K., Dadlez M. (2019)**
Fine-tuning of the stability of β -strands by Y181 in perfringolysin O directs the prepore to pore transition.
Biochim. Biophys. Acta – Biomembr., **1861**, s. 110-122.
doi: 10.1016/j.bbamem.2018.08.008
96. **Kundys-Siedlecka M., Baczyńska E., Jönsson-Niedziółka M. (2019)**
Electrochemical detection of dopamine and serotonin in the presence of interferences in a rotating droplet system.
Anal. Chem., **91**, s. 10908-10913.
doi: 10.1021/acs.analchem.9b02967

97. *Kuratko D., Wójcik D.K., Lacik J., Koudelka V. (2019)*
Electromagnetic modeling of rat's head: comparison of formulations and models.
Radioengineering, **28**, s. 517-527.
doi: 10.13164/re.2019.0517
98. *Kuźnicki L. (2019)*
Czy i jak definiować życie.
Filozofia i Nauka, **7**, s. 19-27.
[http://filozofiainauka.ifispan.waw.pl/wp-content/uploads/2019/09/Kuznicki_19.pdf]
99. *Kwapiszewska K., Kalwarczyk T., Michalska B., Szczepański K., Szymański J., Patalas-Krawczyk P., Andryszewski T., Iwan M., Duszyński J., Hołyst R. (2019)*
Determination of oligomerization state of Drp1 protein in living cells at nanomolar concentrations.
Sci. Rep., **9**, s. 1-9.
art. no. 5906, doi: 10.1038/s41598-019-42418-0
100. *Laskowski M., Augustynek B., Bednarczyk P., Żochowska M., Kalisz J., O'Rourke B., Szewczyk A., Kulawiak B. (2019)*
Single-channel properties of the ROMK-pore-forming subunit of the mitochondrial ATP-sensitive potassium channel.
Int. J. Mol. Sci., **20**, s. 1-18.
art. no. 5323, doi: 10.3390/ijms20215323
101. *Ludwiczak J., Szczęsna E., Da Silva Neto A.M., Cieplak P., Kasprzak A.A., Jarmuła A. (2019)*
Interactions between motor domains in kinesin-14 Ncd - a molecular dynamics study.
Biochem. J., **476**, s. 2449-2462.
doi: 10.1042/BCJ20190484
102. *Ludwiczak J., Winski A., Da Silva Neto A.M., Szczepaniak K., Alva V., Dunin-Horkawicz S. (2019)*
PiPred - a deep-learning method for prediction of π -helices in protein sequences.
Sci. Rep., **9**, s. 1-9.
art. no. 6888, doi: 10.1038/s41598-019-43189-4
103. *Ludwiczak J., Winski A., Szczepaniak K., Alva V., Dunin-Horkawicz S. (2019)*
DeepCoil-a fast and accurate prediction of coiled-coil domains in protein sequences.
Bioinformatics, **35**, s. 2790-2795.
doi: 10.1093/bioinformatics/bty1062
104. *Łabęcki M., Nowicka M.M., Suffczyński P. (2019)*
Temporal modulation of steady-state visual evoked potentials.
Int. J. Neural Syst., **29**, s. 1-12.
art. no. 1850050, doi: 10.1142/S0129065718500508

105. ***Łuniewska M., Chyl K., Dębska A., Banaszkiewicz A., Żelechowska A., Marchewka A., Grabowska A., Jednoróg K. (2019)***
Children with dyslexia and familial risk for dyslexia present atypical development of the neuronal phonological network.
Front. Neurosci., **13**, s. 1-19.
art. no. 1287, doi: 10.3389/fnins.2019.01287
106. ***Maciąg F., Majewski Ł., Boguszewski P.M., Gupta R.K., Wasilewska I., Wojtaś B., Kuźnicki J. (2019)***
Behavioral and electrophysiological changes in female mice overexpressing ORAI1 in neurons.
Biochim. Biophys. Acta – Mol. Cell Res., **1866**, s. 1137-1150.
doi: 10.1016/j.bbamcr.2019.01.007
107. ***Maciejewska D., Łukomska A., Dec K., Skonieczna-Żydecka K., Gutowska I., Skórka-Majewicz M., Styburski D., Misiakiewicz-Has K., Pilutin A., Palma J., Sieletycka K., Marlicz W., Stachowska E. (2019)***
Diet-induced rat model of gradual development of non-alcoholic fatty liver disease (NAFLD) with lipopolysaccharides (LPS) secretion.
Diagnostics (Basel), **9**, s. 1-10.
art. no. 205, doi: 10.3390/diagnostics9040205
108. ***Majewski Ł., Wojtaś B., Maciąg F., Kuźnicki J. (2019)***
Changes in calcium homeostasis and gene expression implicated in epilepsy in hippocampi of mice overexpressing ORAI1.
Int. J. Mol. Sci., **20**, s. 1-19.
art. no. 5539, doi: 10.3390/ijms20225539
109. ***Majka P., Rosa M.G.P., Bai S., Chan J.M., Huo B.X., Jermakow N., Lin M.K., Takahashi Y.S., Wolkowicz I.H., Worthy K.H., Rajan R., Reser D.H., Wójcik D.K., Okano H., Mitra P.P. (2019)***
Unidirectional monosynaptic connections from auditory areas to the primary visual cortex in the marmoset monkey.
Brain Struct. Funct., **224**, s. 111-131.
doi: 10.1007/s00429-018-1764-4
110. ***Malik A.N., Simões I.C.M., Rosa H.S., Khan S., Karkucińska-Więckowska A., Więckowski M.R. (2019)***
A diet induced maladaptive increase in hepatic mitochondrial DNA precedes OXPHOS defects and may contribute to non-alcoholic fatty liver disease.
Cells, **8**, s. 1-14.
art. no. 1222, doi: 10.3390/cells8101222

111. *Malik A.R., Szydłowska K., Nizińska K., Asaro A., Van Vliet E.A., Popp O., Dittmar G., Fritsche-Guenther R., Kirwan J.A., Nykjaer A., Łukasiuk K., Aronica E., Willnow T.E. (2019)*
SorCS2 controls functional expression of amino acid transporter EAAT3 and protects neurons from oxidative stress and epilepsy-induced pathology.
Cell Rep., **26**, s. 2792-2804.
doi: 10.1016/j.celrep.2019.02.027
112. *Malik A.R., Willnow T.E. (2019)*
Excitatory amino acid transporters in physiology and disorders of the central nervous system.
Int. J. Mol. Sci., **20**, s. 1-37.
art. no. 5671, doi: 10.3390/ijms20225671
113. *Malinowska U., Wojciechowski J., Waligóra M., Wróbel A., Niedbalski P., Rogala J. (2019)*
Spectral analysis versus signal complexity methods for assessing attention related activity in human EEG.
W: Proceedings of the 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), Berlin, Germany, s. 4517-4520.
art. no. 8856798, doi: 10.1109/EMBC.2019.8856798
114. *Malińska D., Więckowski M.R., Michalska B., Drabik K., Prill M., Patalas-Krawczyk P., Walczak J., Szymański J., Mathis C., Van Der Toorn M., Luettich K., Hoeng J., Peitsch M.C., Duszyński J., Szczepanowska J. (2019)*
Mitochondria as a possible target for nicotine action.
J. Bioenerg. Biomembr., **51**, s. 259-276.
doi: 10.1007/s10863-019-09800-z
115. *Marchi S., Vitto V.A.M., Danese A., Więckowski M.R., Giorgi C., Pinton P. (2019)*
Mitochondrial calcium uniporter complex modulation in cancerogenesis.
Cell Cycle, **18**, s. 1068-1083.
doi: 10.1080/15384101.2019.1612698
116. *Markowicz J., Uram Ł., Sobich J., Mangiardi L., Maj P., Rode W. (2019)*
Antitumor and anti-nematode activities of α -mangostin.
Eur. J. Pharmacol., **863**, s. 1-8.
art. no. 172678, doi: 10.1016/j.ejphar.2019.172678
117. *Mathiyalagan N., Miles L.B., Anderson P.J., Wilanowski T., Grills B.L., McDonald S.J., Keightley M.C., Charzyńska A., Dąbrowski M., Dworkin S. (2019)*
Meta-analysis of grainyhead-like dependent transcriptional networks: a roadmap for identifying novel conserved genetic pathways.
Genes (Basel), **10**, s. 1-24.
art. no. 876, doi: 10.3390/genes10110876

118. **Matryba P., Kaczmarek L., Golqb J. (2019)**
Advances in ex situ tissue optical clearing.
Laser Photon. Rev., **13**, s. 1-51.
art. no. 1800292, doi: 10.1002/lpor.201800292
119. *Matuła K., Richter Ł., Janczuk-Richter M., Nogala W., Grzeszkowiak M., Peplińska B., Jurga S., Wyroba E., Suski S., Bilski H., Silesian A., Bluysen H.A.R., Derebecka N., Wesoly J., Łoś J.M., Łoś M., Decewicz P., Dziewit Ł., Paczesny J., Hołyst R. (2019)*
Phenotypic plasticity of Escherichia coli upon exposure to physical stress induced by ZnO nanorods.
Sci. Rep., **9**, s. 1-12.
art. no. 8575, doi: 10.1038/s41598-019-44727-w
120. *Mayer A.E., Löffler M.C., Valdés A.L., Schmitz W., El-Merahbi R., Viera J.T., Erk M., Zhang T., Braun U., Heikenwalder M., Leitges M., Schulze A., Sumara G. (2019)*
The kinase PKD3 provides negative feedback on cholesterol and triglyceride synthesis by suppressing insulin signaling.
Sci. Sign., **12**, s. 1-13.
art. no. eaav9150, doi: 10.1126/scisignal.aav9150
121. *Mączyńska E., Karnowski K., Szulżycki K., Malinowska M., Doleżyczek H., Cichański A., Wojtkowski M., Kałużny B., Grulkowski I. (2019)*
Assessment of the influence of viscoelasticity of cornea in animal ex vivo model using air-puff optical coherence tomography and corneal hysteresis.
J. Biophotonics, **12**, s. 1-9.
art. no. e201800154, doi: 10.1002/jbio.201800154
122. *Mietelska-Porowska A., Gąsiorowska A., Pałasz E., Koss D.J., Riedel G., Niewiadomska G. (2019)*
Pore-former enabled seeding of tau in rats: alleviation by memantine and lithium chloride.
J. Neurosci. Methods, **319**, s. 47-59.
doi: 10.1016/j.jneumeth.2018.11.009
123. *Mironiuk-Puchalska E., Buchowicz W., Grześkowiak P., Wińska P., Wielechowska M., Karatsai O., Rędownicz M.J., Bretner M., Koszytkowska-Stawińska M. (2019)*
Potential bioisosteres of β -uracilalanines derived from 1H-1,2,3-triazole-C-carboxylic acids.
Bioorg. Chem., **83**, s. 500-510.
doi: 10.1016/j.bioorg.2018.10.061
124. *Morganti C., Missiroli S., Lebidzińska-Arciszewska M., Ferroni L., Morganti L., Perrone M., Ramaccini D., Occhionorelli S., Zavan B., Więckowski M.R., Giorgi C. (2019)*
Regulation of PKC β levels and autophagy by PML is essential for high-glucose-dependent mesenchymal stem cell adipogenesis.
Int. J. Obes., **43**, s. 963-973.
doi: 10.1038/s41366-018-0167-1

125. **Nader K., Krysiak A., Beroun A., Pękala M., Szymańska M., Kuźniewska B., Radwańska K., Kaczmarek L., Kalita K. (2019)**
Loss of serum response factor in mature neurons in the dentate gyrus alters the morphology of dendritic spines and hippocampus-dependent behavioral tasks.
Brain Struct. Funct., **224**, s. 2691-2701.
doi: 10.1007/s00429-019-01925-6
126. **Nagaraj S., Żółtowska K.M., Laskowska-Kaszub K., Wojda U. (2019)**
microRNA diagnostic panel for Alzheimer's disease and epigenetic trade-off between neurodegeneration and cancer.
Ageing Res. Rev., **49**, s. 125-143.
doi: 10.1016/j.arr.2018.10.008
127. **Najam S.S., Zglinicki B., Vinnikov I.A., Konopka W. (2019)**
MicroRNAs in the hypothalamic control of energy homeostasis.
Cell Tissue Res., **375**, s. 173-177.
doi: 10.1007/s00441-018-2876-0
128. **Nalęcz M.J., Duszyński J., Szewczyk A. (2019)**
Wspomnienie o Profesorze Lechu Wojtczaku, naukowcu i człowieku.
Nauka, **4**, s. 165-171.
doi: doi:10.24425/nauka.2019.131148
129. **Nieborowska-Skorska M., Maifrede S., Ye M., Toma M., Hewlett E., Gordon J., Le B.V., Śliwiński T., Zhao H., Piwocka K., Valent P., Tulin A.V., Childers W., Skorski T. (2019)**
Non-NAD-like PARP1 inhibitor enhanced synthetic lethal effect of NAD-like PARP inhibitors against BRCA1-deficient leukemia.
Leuk. Lymphoma, **60**, s. 1098-1101.
doi: 10.1080/10428194.2018.1520988
130. **Nowacka A., Borczyk M. (2019)**
Ketamine applications beyond anesthesia - a literature review.
Eur. J. Pharmacol., **860**, s. 1-14.
art. no. 172547, doi: 10.1016/j.ejphar.2019.172547
131. **Okruszek Ł., Jarkiewicz M., Szrubarz P., Wichniak A., Michałowski J.M., Marchewka A., Łojek E. (2019)**
Many ways to forget - neurophysiology of directed forgetting mechanisms in schizophrenia.
Psychiatry Res., **274**, s. 358-364.
doi: 10.1016/j.psychres.2019.02.057
132. **Oroń A., Szeląg E., Nowak K., Dacewicz A., Szymaszek A. (2019)**
Age-related differences in Voice-Onset-Time in Polish language users: An ERP study.
Acta Psychol. (Amst.), **193**, s. 18-29.
doi: 10.1016/j.actpsy.2018.12.002

133. **Osinka A., Poprzeczko M., Zielińska M.M., Fabczak H., Joachimiak E., Włoga D. (2019)**
Ciliary proteins: filling the gaps. Recent advances in deciphering the protein composition of motile ciliary complexes.
Cells, **8**, s. 1-22.
art. no. E730, doi: 10.3390/cells8070730
134. **Palasz E., Niewiadomski W., Gąsiorowska A., Mietelska-Porowska A., Niewiadomska G. (2019)**
Neuroplasticity and neuroprotective effect of treadmill training in the chronic mouse model of Parkinson's disease.
Neural Plast., **2019**, s. 1-14.
art. no. ID 8215017, doi: 10.1155/2019/8215017
135. **Palasz E., Niewiadomski W., Gąsiorowska A., Wysocka A., Stępniewska A., Niewiadomska G. (2019)**
Exercise-induced neuroprotection and recovery of motor function in animal models of Parkinson's disease.
Front. Neurol., **10**, s. 1-15.
art. no. 1143, 10.3389/fneur.2019.01143
136. **Pawlak A., Rejmak-Kozicka E., Gil K.E., Ziemia A., Kaczmarek L., Gil R.J. (2019)**
Patterns of desmin expression in idiopathic dilated cardiomyopathy are related to the desmin mRNA and ubiquitin expression.
J. Investig. Med., **67**, s. 11-19.
doi: 10.1136/jim-2017-000707
137. **Pawlak M., Kędzierska K.Z., Migdał M., Nahia K.A., Ramilowski J.A., Bugajski Ł., Hashimoto K., Marconi A., Piwocka K., Carninci P., Winata C.L. (2019)**
Dynamics of cardiomyocyte transcriptome and chromatin landscape demarcates key events of heart development.
Genome Res., **29**, s. 506-519.
doi: 10.1101/gr.244491.118
138. **Pawłowska M., Stefaniuk M., Legutko D., Kaczmarek L. (2019)**
Light-sheet microscopy for whole-brain imaging.
In: *Advanced Optical Methods for Brain Imaging*. Kao F.-J., Keiser G., Gogoi A. (Eds.), (Progress in Optical Science and Photonics, vol. 5). Singapore: Springer Nature Singapore Pte Ltd., s. 69-81.
doi: 10.1007/978-981-10-9020-2_3
139. **Pereira G.C., Pereira S.P., Pereira F.B., Lourenço N., Lumini J.A., Pereira C.V., Bjork J.A., Magalhães J., Ascensão A., Więckowski M.R., Moreno A.J., Wallace K.B., Oliveira P.J. (2019)**
Early cardiac mitochondrial molecular and functional responses to acute anthracycline treatment in Wistar rats.
Toxicol. Sci., **169**, s. 137-150.
doi: 10.1093/toxsci/kfz026

140. *Petelczyc K., Byszewska A., Chojnacka E., Jaroszewicz Z., Kakarenko K., Mira-Agudelo A., Ostrowska-Spaleniak A., Składowska A., Kołodziejczyk A., Rękas M. (2019)*
The light sword lens - a novel method of presbyopia compensation: pilot clinical study.
PLoS One, **14**, s. 1-13.
art. no. e0211823, doi: 10.1371/journal.pone.0211823
141. *Pfeifer A., Rusinek D., Żebracka-Gala J., Czarniecka A., Chmielik E., Zembala-Nożyńska E., Wojtaś B., Gielniewski B., Szpak-Ulczoł S., Oczko-Wojciechowska M., Krajewska J., Polańska J., Jarząb B. (2019)*
Novel TG-FGFR1 and TRIM33-NTRK1 transcript fusions in papillary thyroid carcinoma.
Genes Chromosomes Cancer, **58**, s. 558-566.
doi: 10.1002/gcc.22737
142. *Pigna E., Simonazzi E., Sanna K., Bernadzki K.M., Prószyński T., Heil C., Palacios D., Adamo S., Moresi V. (2019)*
Histone deacetylase 4 protects from denervation and skeletal muscle atrophy in a murine model of amyotrophic lateral sclerosis.
EBioMedicine, **40**, s. 717-732.
doi: 10.1016/j.ebiom.2019.01.038
143. *Pignataro A., Meli G., Pagano R., Fontebasso V., Battistella R., Conforto G., Ammassari-Teule M., Middei S. (2019)*
Activity-induced amyloid- β oligomers drive compensatory synaptic rearrangements in brain circuits controlling memory of presymptomatic Alzheimer's disease mice.
Biol. Psychiatry, **86**, s. 185-195.
doi: 10.1016/j.biopsych.2018.10.018
144. *Pijet B., Stefaniuk M., Kaczmarek L. (2019)*
MMP-9 contributes to dendritic spine remodeling following traumatic brain injury.
Neural Plast., **2019**, s. 1-12.
art. no. ID 3259295, doi: 10.1155/2019/3259295
145. *Pinchuk I., Weber D., Kochlik B., Stuetz W., Toussaint O., Debaq-Chainiaux F., Dolle M.E.T., Jansen E.H.J.M., Gonos E.S., Sikora E., Breusing N., Gradinaru D., Sindlinger T., Moreno-Villanueva M., Bürkle A., Grune T., Lichtenberg D. (2019)*
Gender- and age-dependencies of oxidative stress, as detected based on the steady state concentrations of different biomarkers in the MARK-AGE study.
Redox Biol., **24**, s. 1-7.
art. no. 101204, doi: 10.1016/j.redox.2019.101204
146. *Piszczatowska K., Mosieniak G. (2019)*
Oksydazy NADPH jako atrakcyjny cel terapii przeciwnowotworowej.
Kosmos, **68**, s. 133-144.
doi: 10.36921/kos.2019_2500

147. *Plaut J.S., Strzelecka-Kiliszek A., Bożycki L., Pikula S., Buchet R., Mebarek S., Chadli M., Bolean M., Simão A.M.S., Ciancaglini P., Magrini A., Rosato N., Magne D., Girard-Egrot A., Farquharson C., Esener S.C., Millan J.L., Bottini M. (2019)*
Quantitative atomic force microscopy provides new insight into matrix vesicle mineralization.
Arch. Biochem. Biophys., **667**, s. 14-21.
doi: 10.1016/j.abb.2019.04.003
148. *Podrzywałow-Bartnicka P., Maifrede S., Le B.V., Nieborowska-Skorska M., Piwocka K., Skorski T. (2019)*
PARP1 inhibitor eliminated imatinib-refractory chronic myeloid leukemia cells in bone marrow microenvironment conditions.
Leuk. Lymphoma, **60**, s. 262-264.
doi: 10.1080/10428194.2018.1471602
149. *Ponnalagu D., Hussain A.Tafsirul, Thanawala R., Meka J., Bednarczyk P., Feng Y., Szewczyk A., GururajaRao S., Bopassa J.C., Khan M., Singh H. (2019)*
Chloride channel blocker IAA-94 increases myocardial infarction by reducing calcium retention capacity of the cardiac mitochondria.
Life Sci., **235**, s. 1-8.
art. no. 116841, doi: 10.1016/j.lfs.2019.116841
150. *Poprzeczko M., Bicka M., Farahat H., Bazan R., Osinka A., Fabczak H., Joachimiak E., Włoga D. (2019)*
Rare human diseases: model organisms in deciphering the molecular basis of primary ciliary dyskinesia.
Cells, **8**, s. 1-31.
art. no. 1614, doi: 10.3390/cells8121614
151. *Posa D., Martinez-González L., Bartolomé F., Nagaraj S., Porras G., Martínez A., Martin-Requero A. (2019)*
Recapitulation of pathological TDP-43 features in immortalized lymphocytes from sporadic ALS patients.
Mol. Neurobiol., **56**, s. 2424-2432.
doi: 10.1007/s12035-018-1249-8
152. *Postuszny A. (2019)*
Updating the picture of layer 2/3 VIP-expressing interneuron function in the mouse cerebral cortex.
Acta Neurobiol. Exp., **79**, s. 328-337.
doi: 10.21307/ane-2019-031
153. *Potocka M., Kidawa A., Panasiuk A., Bielecka L., Wawrzynek-Borejko J., Patula W., Wójcik K.A., Plenzler J., Janecki T., Bialik R.J. (2019)*
The effect of glacier recession on benthic and pelagic communities: case study in Herve Cove, Antarctica.
J. Mar. Sci. Eng., **7**, s. 1-16.
art. no. 285, doi: 10.3390/jmse7090285

154. **Przanowski P., Mondal S.S., Cabaj A., Dębski K.J., Wojtaś B., Gielniewski B., Kaza B., Kamińska B., Dąbrowski M. (2019)**
Open chromatin landscape of rat microglia upon proinvasive or inflammatory polarization.
Glia, **67**, s. 2312-2328.
doi: 10.1002/glia.23686
155. **Pyrak E., Jaworska A., Kudelski A. (2019)**
SERS studies of adsorption on gold surfaces of mononucleotides with attached hexanethiol moiety: comparison with selected single-stranded thiolated DNA fragments.
Molecules, **24**, s. 1-15.
art. no. 3921, doi: 10.3390/molecules24213921
156. **Pyrak E., Krajczewski J., Kowalik A., Kudelski A., Jaworska A. (2019)**
Surface enhanced Raman spectroscopy for DNA biosensors - how far are we?
Molecules, **24**, s. 1-31.
art. no. 4423, doi: 10.3390/molecules24244423
157. **Rajan W.D., Wojtaś B., Gielniewski B., Gieryng A., Zawadzka M., Kamińska B. (2019)**
Dissecting functional phenotypes of microglia and macrophages in the rat brain after transient cerebral ischemia.
Glia, **67**, s. 232-245.
doi: 10.1002/glia.23536
158. **Rao S.G., Bednarczyk P., Towheed A., Shah K., Karekar P., Ponnalagu D., Jensen H.N., Addya S., Reyes B.A.S., Van Bockstaele E.J., Szewczyk A., Wallace D.C., Singh H. (2019)**
BK_{Ca} (Slo) channel regulates mitochondrial function and lifespan in drosophila melanogaster.
Cells, **8**, s. 1-19.
art. no. 945, doi: 10.3390/cells8090945
159. **Reinholz A., Hornostaj S., Osiński J. (2019)**
Behaviour as direct measure of animal welfare – the effect of strain, social stressors and stroboscopic illumination on rat (*Rattus norvegicus*) behaviour under high- versus low-anxiety conditions.
Anim. Sci. Pap. Rep., **37**, s. 209-226.
160. **Rietman M.L., Spijkerman A.M.W., Wong A., van Steeg H., Bürkle A., Moreno-Villanueva M., Sindlinger T., Franceschi C., Grubeck-Loebenstien B., Bernhardt J., Slagboom P.E., Toussaint O., Debacq-Chainiaux F., Sikora E., Gonos E.S., Breusing N., Stuetz W., Weber D., Grune T., Basso A., Piacenza F., Malavolta M., Collino S., Jansen E.H.J.M., Verschuren W.M.M., Dolle M.E.T. (2019)**
Antioxidants linked with physical, cognitive and psychological frailty: analysis of candidate biomarkers and markers derived from the MARK-AGE study.
Mech. Ageing Dev., **177**, s. 135-143.
doi: 10.1016/j.mad.2018.04.007

161. **Rogala-Koziarska K., Samluk L., Nałęcz K.A. (2019)**
 Amino acid transporter SLC6A14 depends on heat shock protein HSP90 in trafficking to the cell Surface.
 Biochim. Biophys. Acta – Mol. Cell Res., **1866**, s. 1544-1555.
 doi: 10.1016/j.bbamcr.2019.07.009
162. **Rojek K.O., Krzemień J., Doleżyczek H., Boguszewski P.M., Kaczmarek L., Konopka W., Rylski M., Jaworski J., Holmgren L., Prószyński T.J. (2019)**
 Amot and Yap1 regulate neuronal dendritic tree complexity and locomotor coordination in mice.
 PLoS Biol., **17**, s. 1-36.
 art. no. e3000253, doi: 10.1371/journal.pbio.3000253
163. **Rosa M.G.P., Soares J.G.M., Chaplin T.A., Majka P., Bakola S., Philips K.A., Reser D.H., Gattass R. (2019)**
 Cortical afferents of area 10 in Cebus monkeys: implications for the evolution of the frontal pole.
 Cereb. Cortex, **29**, s. 1473-1495.
 doi: 10.1093/cercor/bhy044
164. **Róg J., Oksiejuk A., Gosselin M.R.F., Brutkowski W., Dymkowska D., Nowak N., Robson S., Górecki D.C., Zabłocki K. (2019)**
 Dystrophic mdx mouse myoblasts exhibit elevated ATP/UTP-evoked metabotropic purinergic responses and alterations in calcium signalling.
 Biochim. Biophys. Acta – Mol. Basis Dis., **1865**, s. 1138-1151.
 doi: 10.1016/j.bbadis.2019.01.002
165. **Różycka A., Charzyńska A., Misiewicz Z., Stepniwski T.M., Sobolewska A., Kossut M., Liguz-Lęcznar M. (2019)**
 Glutamate, GABA, and presynaptic markers involved in neurotransmission are differently affected by age in distinct mouse brain regions.
 ACS Chem. Neurosci., **10**, s. 4449-4461.
 doi: 10.1021/acscchemneuro.9b00220
166. **Ruszczycki B., Pels K.K., Walczak A., Zamłyńska K., Such M., Szczepankiewicz A.A., Hall M.H., Magalska A., Magnowska M., Wolny A., Bokota G., Basu S., Pal A., Plewczyński D., Wilczyński G.M. (2019)**
 Three-dimensional segmentation and reconstruction of neuronal nuclei in confocal microscopic images.
 Front. Neuroanat., **13**, s. 1-13.
 art. no. 81, doi: 10.3389/fnana.2019.00081
167. **Rymarczyk K., Żurawski Ł., Jankowiak-Siuda K., Szatkowska I. (2019)**
 Empathy in facial mimicry of fear and disgust: simultaneous EMG-fMRI recordings during observation of static and dynamic facial expressions.
 Front. Psychol., **10**, s. 1-20.
 art. no. 701, doi: 10.3389/fpsyg.2019.00701

168. *Sakharova E.G., Feniova I.Y., Gorelysheva Z.I., Rzepecki M., Kostrzewska-Szlakowska I., Krylov A.V., Zilitinkevich N.S. (2019)*
Dynamics of species and size structures of phytoplankton at different levels of bottom-up and top-down effects in experimental conditions.
Contemp. Probl. Ecol., **12**, s. 245-253.
doi: 10.1134/S1995425519030119
169. *Sass P., Sosnowski P., Podolak-Popinigis J., Górnikiiewicz B., Kamińska J., Deptuła M., Nowicka E., Wardowska A., Ruczyński J., Rekowski P., Rogujski P., Filipowicz N., Mieczkowska A., Peszyńska-Sularz G., Janus Ł., Skowron P., Czupryn A., Mucha P., Piotrowski A., Rodziewicz-Motowidło S., Pikula M., Sachadyn P. (2019)*
Epigenetic inhibitor zebularine activates ear pinna wound closure in the mouse.
EBioMedicine, **46**, s. 317-329.
doi: 10.1016/j.ebiom.2019.07.010
170. *Shkotova L., Bohush A., Voloshina I., Smutok O., Dzyadevych S. (2019)*
Amperometric biosensor modified with platinum and palladium nanoparticles for detection of lactate concentrations in wine.
SN Appl. Sci., **1**, s. 1-9.
art. no. 306, doi: 10.1007/s42452-019-0315-9
171. *Sikora E., Bielak-Żmijewska A., Mosieniak G. (2019)*
Targeting normal and cancer senescent cells as a strategy of senotherapy.
Ageing Res. Rev., **55**, s. 1-18.
art. no. 100941, doi: 10.1016/j.arr.2019.100941
172. *Simões I.C.M., Janikiewicz J., Bauer J., Karkucińska-Więckowska A., Kalinowski P., Dobrzyń A., Wolski A., Pronicki M., Zieniewicz K., Dobrzyń P., Krawczyk M., Zischka H., Więckowski M.R., Potes O.Y. (2019)*
Fat and sugar-a dangerous duet. A comparative review on metabolic remodeling in rodent models of nonalcoholic fatty liver disease.
Nutrients, **11**, s. 1-37.
art. no. 2871, doi: 10.3390/nu11122871
173. *Siucińska E. (2019)*
Γ-Aminobutyric acid in adult brain: an update.
Behav. Brain Res., **376**, s. 1-23.
art. no. 112224, doi: 10.1016/j.bbr.2019.112224
174. *Skiba J., Kowalczyk A., Stączek P., Bernaś T., Trzybiński D., Woźniak K., Schatzschneider U., Czerwieniec R., Kowalski K. (2019)*
Luminescent fac-[Re(CO)₃(phen)] carboxylato complexes with non-steroidal anti-inflammatory drugs: synthesis and mechanistic insights into the in vitro anticancer activity of fac-[Re(CO)₃(phen)(aspirin)].
New J. Chem., **43**, s. 573-583.
doi: 10.1039/c8nj05494k

175. **Skup M. (2019)**
Jak pobudzić sieci nerwowe w zdrowym i uszkodzonym rdzeniu kręgowym.
Wszechświat, **120**, s. 16-24.
176. **Ślawińska U., Jordan L.M. (2019)**
Serotonergic influences on locomotor circuits.
Curr. Opin. Physiol., **8**, s. 63-69.
doi: 10.1016/j.cophys.2018.12.012
177. **Sobiak B., Leśniak W. (2019)**
The effect of single CpG demethylation on the pattern of DNA-protein binding.
Int. J. Mol. Sci., **20**, s. 1-9.
art. no. e914, doi: 10.3390/ijms20040914
178. **Sobich J., Prokopowicz M., Maj P., Wilk P., Zieliński Z., Frączyk T., Rode W. (2019)**
Thymidylate synthase-catalyzed, tetrahydrofolate-dependent self-inactivation by 5-FdUMP.
Arch. Biochem. Biophys., **674**, s. 1-7.
art. no. 108106, doi: 10.1016/j.abb.2019.108106
179. **Stępkowski D. (2019)**
Choroba Alzheimerera – historia niepowodzeń – krótka opinia na temat współczesnego stanu badań.
Post. Bioch., **65**, s. 322-324.
doi: 10.18388/pb.2019_284
180. **Strzelecka-Kiliszek A., Romiszewska M., Bożycki Ł., Mebarek S., Bandorowicz-Pikuła J., Buchet R., Pikuła S. (2019)**
Src and ROCK kinases differentially regulate mineralization of human osteosarcoma Saos-2 cells.
Int. J. Mol. Sci., **20**, s. 1-17.
art. no. e2872, doi: 10.3390/ijms20122872
181. **Studnicki M., Dębski K.J., Stępkowski D. (2019)**
Proportions of macronutrients, including specific dietary fats, in prospective anti-Alzheimer's diet.
Sci. Rep., **9**, s. 1-8.
art. no. 20143, doi: 10.1038/s41598-019-56687-2
182. **Szczuka A., Godzińska E.J., Korczyńska J. (2019)**
Factors mediating ant social behavior: interplay of neuromodulation and social context.
Kosmos, **68**, s. 575-589.
doi: 10.36921/kos.2019_2620
183. **Szewczyk A. (2019)**
Struktura przemian energetycznych w komórkach.
W: Art and science 3. Siła struktur biologicznych [katalog wystawowy]. Iskra-Paczkowska A. (red. nauk.), Rzeszów: Uniwersytet Rzeszowski, s. 62-65.

184. **Szewczyk A., Fabczak H., Olszyński M.A. (2019)**
Dlaczego realizujemy projekty Art & Science w Instytucie Nenckiego PAN?
Nauka, **4**, s. 153-164.
doi: 10.24425/nauka.2019.131147
185. *Szpila M., Walewska A., Sabat-Pośpiech D., Strączyńska P., Ishikawa T., Milewski R., Szczepańska K., Ajduk A. (2019)*
Postovulatory ageing modifies sperm-induced Ca²⁺ oscillations in mouse oocytes through a conditions-dependent, multi-pathway mechanism.
Sci. Rep., **9**, s. 1-18.
art. no. 11859, doi: 10.1038/s41598-019-48281-3
186. *Świerczek-Lasek B., Neska J., **Kominek A.**, Tolak Ł., Czajkowski T., Jańczyk-Ilach K., Stremińska W., **Piwocka K.**, Ciemerych M.A., Archacka K. (2019)*
Interleukin 4 moderately affects competence of pluripotent stem cells for myogenic conversion.
Int. J. Mol. Sci., **20**, s. 1-17.
art. no. e3932, doi: 10.3390/ijms20163932
187. *Tarocco A., Caroccia N., Morciano G., **Więckowski M.R.**, Ancora G., Garani G., Pinton P. (2019)*
Melatonin as a master regulator of cell death and inflammation: molecular mechanisms and clinical implications for newborn care.
Cell Death Dis., **10**, s. 1-12.
art. no. 317, doi: 10.1038/s41419-019-1556-7
188. *Teixeira J., Chavarria D., Borges F., **Wojtczak L.**, **Więckowski M.R.**, Karkucińska-Więckowska A., Oliveira P.J. (2019)*
Dietary polyphenols and mitochondrial function: role in health and disease.
Curr. Med. Chem., **26**, s. 3376-3406.
doi: 10.2174/0929867324666170529101810
189. *Tepper B., Aniszewska A., Bartkowska K., Grochocka L.J., Turlejski K., Djavadian R.L. (2019)*
Aged opossums show alterations in spatial learning behavior and reduced neurogenesis in the dentate gyrus.
Front. Neurosci., **13**, s. 1-12.
art. no. 1210, doi: 10.3389/fnins.2019.01210
190. *Tracz-Gaszewska Z., Dobrzyń P. (2019)*
Stearoyl-CoA desaturase 1 as a therapeutic target for the treatment of cancer.
Cancers, **11**, s. 1-25.
art. no. e948, doi: 10.3390/cancers11070948
191. *Trzaskoma P., Magalska A. (2019)*
Nowoczesne techniki mikroskopowe w badaniach nad trójwymiarową strukturą chromatyny.
Kosmos, **68**, s. 19-33.
doi: 10.36921/kos.2019_2508

192. *Urbańska M., Kaźmierska-Grębowska P., Kowalczyk T., Caban B., Nader K., Pijet B., Kalita K., Gózdź A., Devijver H., Lechat B., Jaworski T., Grajkowska W., Sadowski K., Józwiak S., Kotulska K., Konopacki J., Van Leuven F., van Vliet E.A., Aronica E., Jaworski J. (2019)*
GSK3 β activity alleviates epileptogenesis and limits GluA1 phosphorylation.
EBioMedicine, **39**, s. 377-387.
doi: 10.1016/j.ebiom.2018.11.040
193. *Vafadari B., Mitra S., Stefaniuk M., Kaczmarek L. (2019)*
Psychosocial stress induces schizophrenia-like behavior in mice with reduced MMP-9 activity.
Front. Behav. Neurosci., **13**, s. 1-8.
art. no. 195, doi: 10.3389/fnbeh.2019.00195
194. *Vydra N., Janus P., Toma-Jonik A., Stokowy T., Mrowiec K., Korfanty J., Długajczyk A., Wojtaś B., Gielniewski B., Widlak W. (2019)*
17 β -Estradiol activates HSF1 via MAPK signaling in ER α -positive breast cancer cells.
Cancers, **11**, s. 1-14.
art. no. 1533, doi: 10.3390/cancers11101533
195. *Walczak J., Dębska-Vielhaber G., Vielhaber S., Szymański J., Charzyńska A., Duszyński J., Szczepanowska J. (2019)*
Distinction of sporadic and familial forms of ALS based on mitochondrial characteristics.
Faseb J., **33**, s. 4388-4403.
doi: 10.1096/fj.201801843R
196. *Waś H., Król S.K., Rotili D., Mai A., Wojtaś B., Kamińska B., Maleszewska M. (2019)*
Histone deacetylase inhibitors exert anti-tumor effects on human adherent and stem-like glioma cells.
Clin. Epigenetics, **11**, s. 1-13.
art. no. 11, doi: 10.1186/s13148-018-0598-5
197. *Wenta T., Jarząb M., Rychłowski M., Borysiak M., Latała A., Żurawa-Janicka D., Filipek A., Lipińska B. (2019)*
Cellular substrates and pro-apoptotic function of the human HtrA4 protease.
J. Proteomics, **209**, s. 1-19.
art. no. 103505, doi: 10.1016/j.jprot.2019.103505
198. *Wenta T., Rychłowski M., Jurewicz E., Jarząb M., Żurawa-Janicka D., Filipek A., Lipińska B. (2019)*
The HtrA3 protease promotes drug-induced death of lung cancer cells by cleavage of the X-linked inhibitor of apoptosis protein (XIAP).
FEBS J., **286**, s. 4579-4596.
doi: 10.1111/febs.14977

199. **Węsierska M., Svoboda J., Stuchlik A. (2019)**
A therapeutic dose of memantine improves the performance of rats in an active place avoidance task under the continuous dissociation of distal room and proximal arena cues. *Neurobiol. Learn. Mem.*, **162**, s. 59-66.
doi: 10.1016/j.nlm.2019.03.011
200. **Wisłowska-Stanek A., Płaźnik A., Kołosowska K., Skórzewska A., Turzyńska D., Liguz-Lęcznar M., Krząścik P., Gryz M., Szyndler J., Sobolewska A., Lehner M. (2019)**
Differences in the dopaminergic reward system in rats that passively and actively behave in the Porsolt test. *Behav. Brain Res.*, **359**, s. 181-189.
doi: 10.1016/j.bbr.2018.10.027
201. **Wojtaś B., Gielniewski B., Wojnicki K., Maleszewska M., Mondal S.S., Nauman P., Grajkowska W., Glass R., Schüller U., Herold-Mende C., Kamińska B. (2019)**
Gliosarcoma is driven by alterations in PI3K/Akt, RAS/MAPK pathways and characterized by collagen gene expression signature. *Cancers*, **11**, s. 1-18.
art. no. E284, doi: 10.3390/cancers11030284
202. **Wołosz D., Walczak A., Szparecki G., Dwojak M., Winiarska M., Wolińska E., Górnicka B. (2019)**
Deleted in Liver Cancer 2 (DLC2) protein expression in hepatocellular carcinoma. *Eur. J. Histochem.*, **63**, s. 32-36.
art. no. 2981, doi: 10.4081/ejh.2019.2981
203. **Woś M., Komiażyk M., Pikula S., Tylki-Szymańska A., Bandorowicz-Pikula J. (2019)**
Activation of mammalian target of rapamycin kinase and glycogen synthase kinase-3 β accompanies abnormal accumulation of cholesterol in fibroblasts from Niemann-Pick type C patients. *J. Cell. Biochem.*, **120**, s. 6580-6588.
doi: 10.1002/jcb.27951
204. **Wójcik M.J., Nowicka M.M., Bola M., Nowicka A. (2019)**
Unconscious detection of one's own image. *Psychol. Sci.*, **30**, s. 471-480.
doi: 10.1177/0956797618822971
205. **Wypych M., Michałowski J.M., Drożdżel D., Borczykowska M., Szczepanik M., Marchewka A. (2019)**
Attenuated brain activity during error processing and punishment anticipation in procrastination - a monetary Go/No-go fMRI study. *Sci. Rep.*, **9**, s. 1-11.
art. no. 11492, doi: 10.1038/s41598-019-48008-4

206. *Wyżewski Z., Gregorczyk-Zboroch K.P., Mielcarska M.B., Bossowska-Nowicka M., Struzik J., Szczepanowska J., Toka F.N., Niemiałtowski M.G., Szulc-Dąbrowska L. (2019)*
Mitochondrial heat shock response induced by ectromelia virus is accompanied by reduced apoptotic potential in Murine L929 fibroblasts.
Arch. Immunol. Ther. Exp., **67**, s. 401-414.
doi: 10.1007/s00005-019-00554-5
207. *You H., Baluszek S., Kamińska B. (2019)*
Immune microenvironment of brain metastases-are microglia and other brain macrophages little helpers?
Front. Immunol., **10**, s. 1-12.
art. no. 1941, doi: 10.3389/fimmu.2019.01941
208. *Zareba-Kozioł M., Bartkowiak-Kaczmarek A., Figiel I., Krzystyniak A., Wójtowicz T., Bijata M., Włodarczyk J. (2019)*
Stress-induced changes in the S-palmitoylation and S-nitrosylation of synaptic proteins.
Mol. Cell. Proteomics, **18**, s. 1916-1938.
doi: 10.1074/mcp.RA119.001581
-

INDEKS AUTORÓW²

A

Achtabowska N.	<u>53</u>
Aniszewska A.	<u>189</u>
Antoniuk S.	<u>1, 91</u>
Augustynek B.	100

B

Baluszek S.	207
Banach-Kasper E.	65
Banaszkiewicz A.	105
Bandorowicz-Pikuła J.	180, 203
Bartkowiak-Kaczmarek A.	208
Bartkowska K.	4, 189
Bazan R.	150
Bączyńska E.	<u>91, 96</u>
Bekisz M.	44
Bernadzki K.M.	142
Bernaś T.	19, 174
Beroun A.	7, 90, 125
Bicka M.	<u>150</u>
Bielak-Żmijewska A.	9, 43, 52, 64, 171
Bienias J.	11
Bierzyńska M.	12
Bijata M.	<u>1, 51, 59, 208</u>
Bijoch Ł.	9, 90
Bilski H.	72, 119
Boguszewski P.M.	47, 106, 162
Bohush A.	14, 15, 170
Bojko A.	9, 16, 53
Bola Ł.	<u>17</u>
Bola M.	204
Borczyk M.	19, 130
Bożycki Ł.	147, 180
Brutkowski W.	164
Brzozowska K.	31
Brzozowska M.	11
Bugajski Ł.	137

² Indeks pracowników, doktorantów i pozostałych osób podających w publikacjach afiliację Instytutu Biologii Doświadczalnej im. M. Nenckiego PAN. Podkreślono artykuły, w których autor podaje też drugą afiliację.

C

Cabaj A.	5, <u>6</u> , 154
Cały A.	19
Charzyńska A.	16, 117, 165, 195
Choiński M.	<u>46</u>
Chrościcki P.	82
Chyl K.	22, 30, 87, 105
Ciesielska A.	23
Ciolko A.	9
Cygan H.B.	<u>25</u>
Czapski B.	<u>73</u>
Czarkowska-Bauch J.	57
Czarnecka-Herok J.	16
Czupryn A.	169

D

Dacewicz A.	132
Danielewski K.	86
Dąbrowska M.	27
Dąbrowski M.	5, 6, 16, 93, 117, 154
Dębska A.	22, 30, 105
Dębski K.J.	154
Djavadian R.L.	4, 189
Dobrzyń A.	66, 172
Dobrzyń P.	26, 66, 172, 190
Doleżyczek H.	121, 162
Drabarek B.	33
Drabik K.	114
Drożdziel D.	17, 205
Dudka W.	39, 82
Duszyński J.	99, 114, 128, 195
Dymkowska D.	33, 164
Dziewulska A.	66
Dzięgiel G.	30

E

Ejsmont-Karabin J.	34, 35, 71, 75, 76
Ellert-Miklaszewska A.	36

F

Fabczak H.	2, 20, 37, 38, 133, 150, 184
Farahat H.	150
Figiel I.	208
Filipek A.	14, 15, 78, 197, 198

G

Gadecka A.	43
Gajewska-Woźniak O.	57
Gawda A.	4
Gawryluk A.	83
Gąsiorowska A.	<u>122</u> , <u>134</u> , <u>135</u>
Gielniewski B.	36, 45, 73, 141, 154, 157, 194, 201
Gieryng A.	157
Głowacka A.	57
Godzińska E.J.	48, 49, 50, 67, 182
Górkiewicz T.	86, 90
Grabowska A.	<u>105</u>
Grabowska W.	9, 53
Graczyk-Jarzynka A.	54
Gralec K.	65
Gręda A.	56
Grochocka L.J.	189
Gruszczyńska A.	86
Grycz K.	57
Guzik R.	<u>73</u>

H

Hall M.H.	<u>166</u>
Hornostaj S.	159
Hromada-Judycka A.	23
Hunt M.J.	<u>60</u>

J

Janecki T.	153
Janikiewicz J.	66, 172
Jarmuła A.	61, 101
Jaworski T.	65, 192
Jazurek-Ciesiolka M.	66
Jednoróg K.	17, 22, 30, 32, 87, 105
Jermakow N.	109
Jędrzejewska-Szmek J.	68
Ji B.	57
Joachimiał E.	2, 20, 69, 70, 133, 150
Juraszek B.	88
Jurewicz E.	198
Jurkiewicz-Trząska D.	88

K

Kacprzak A.	<u>30</u> , <u>87</u>
Kaczmarek L.	7, 90, 118, 125, 136, 138, 144, 162, 193
Kalisz J.	100
Kalita K.	125, 192
Kamińska B.	36, 45, 73, <u>92</u> , 93, 154, 157, 196, 201, <u>207</u>
Kampa R.P.	<u>74</u>

Karatsai O.	123
Kasicki S.	60
Kasprzak A.A.	101
Kaza B.	154
Klejman A.	82
Knapska E.	47, 85, 86, 90
Kodirov S.A.	<u>80</u> , <u>81</u>
Kolba M.D.	82
Komiażyk M.	<u>84</u> , 203
Kominek A.	82, 186
Kondrakiewicz K.	85, 86
Konopka W.	90, 127, 162
Korczyńska J.	50, 182
Kossowski B.	22, <u>87</u>
Kossut M.	<u>12</u> , <u>165</u>
Kossut M.M.	

zob. Kossut M.

Kostecki M.	85
Kotowska I.	<u>25</u>
Kovalchuk V.	88
Koza P.	90
Kozak A.	12
Koziński K.	66
Król S.K.	73, 196
Krysiak A.	125
Krzemień J.	162
Krzystyniak A.	51, 91, 208
Kulawiak B.	100
Kulesza D.W.	<u>92</u> , <u>93</u>
Kulesza M.	58
Kuźnicki L.	98
Kuźniewska B.	125
Kwiatkowska K.	23, 94, 95

L

Laskowska-Kaszub K.	126
Laskowski M.	100
Le B.V.	<u>129</u> , 148
Lebiedzińska-Arciszewska M.	<u>124</u>
Legutko D.	138
Leśniak W.	54, 177
Liguz-Lęcznar M.	83, 165, 200
Ludwiczak J.	<u>101</u> , <u>102</u> , <u>103</u>

Ł

Łukasiuk K.	111
Łukomska A.	
<i>zob. Łukomska A.M.</i>	
Łukomska A.M.	<u>29</u> , 107
Łuniewska M.	<u>22</u> , 30, 105

M

Magalska A.	166, 191
Magnowska M.	91, 166
Maj P.	116, 178
Majka P.	<u>3</u> , <u>52</u> , <u>109</u> , 163
Maleszewska M.	36, 93, 196, 201
Malik A.R.	112
Malinowska M.	121
Malinowska U.	113
Malińska D.	114
Marchewka A.	17, 22, 25, 30, 32, 89, 105, 131, 205
Martin-Gonzalez A.M.	<u>41</u>
Matryba P.	<u>118</u>
Matuszewski J.	17
Meyza K.Z.	13, 86
Michalik A.	33
Michalska B.	99, 114
Michaluk P.	7
Mieczkowski J.	93
Mietelska-Porowska A.	122, 134
Misiewicz Z.	<u>165</u>
Mitra S.	7, 193
Mlącki M.	54
Mondal S.S.	154, 201
Mosieniak G.	9, 53, 64, 146, 171

N

Nader K.	125, 192
Nagaraj S.	126, 151
Nałęcz K.A.	88, 161
Nałęcz M.J.	128
Niewiadomska G.	15, 122, 134, 135
Nieżnańska H.	79
Nikolaev T.	86
Nizińska K.	111
Nowacka A.	130
Nowak K.	132
Nowak N.	33, 164
Nowicka A.	25, 204
Nowicka D.	56
Nowicka M.M.	104, 204

O

Ochocka N.	36
Oksiejuk A.	164
Oroń A.	132
Osinka A.	38, 133, 150

P

Pagano R.	144
Pałasz E.	122, 134, 135
Pasznik M.	11
Patalas-Krawczyk P.	99, 114
Pawłowska M.	138
Pels K.K.	166
Pękala M.	125
Pijet B.	7, 144, 192
Pikuła S.	84, 147, 180, 203
Piszczałowska K.	146
Piwocka K.	82, 129, 137, 148, 186
Plewko J.	30
Płomecka M.	<u>10</u>
Podszywałow-Bartnicka P.	148
Poprzeczko M.	133, 150
Posłuszny A.	152
Potes O.Y.	172
Prill M.	114
Prószczyński T.	
<i>zob. Prószczyński T.J.</i>	
Prószczyński T.J.	77, 142, 162
Przanowski P.	92, 154
Pyrak E.	<u>63</u> , <u>155</u> , <u>156</u>

R

Radwańska K.	19, 125
Rajan W.D.	157
Ramji K.	<u>93</u>
Rejmak-Kozicka E.	136
Rędowicz M.J.	61, 123
Rode W.	27, <u>116</u> , 178
Rogala J.	113
Rogala-Koziarska K.	161
Rogujski P.	169
Rojek K.O.	162
Rokosz-Andraka K.	86
Romiszewska M.	180
Roszkowska M.	91
Roura A.J.	36
Róg J.	<u>164</u>
Różycka A.	165
Ruszczycki B.	166
Rzepecki M.	40, 71, 168

S

Samluk Ł.	88, 161
Sikora E.	9, 16, 53, 64, 145, 160, 171
Simões I.C.M.	110, 172
Siucińska E.	173

Składowska A.	140
Skup M.	57, 175
Sławińska U.	176
Sobiak B.	54, 177
Sobich J.	116, 178
Sobolewska P.	4
Stefaniuk M.	7, 138, 144, 193
Stępkowski D.	179, 181
Stępniewski T.M.	<u>165</u>
Strzelecka-Kiliszek A.	147, 180
Stukan I.	24
Such M.	<u>166</u>
Sumara G.	<u>120</u>
Suski S.	119
Szadzińska W.	85
Szatkowska I.	167
Szczepanik M.	17, 205
Szczepankiewicz A.A.	166
Szczepanowska J.	114, 195, 206
Szczęsna E.	101
Szczuka A.	50, 182
Szeląg E.	132
Szewczyk A.	62, 74, 100, 128, 149, 158, 183, 184
Szydłowska K.	111
Szymańska M.	125
Szymański J.	99, 114, 195
Szymaszek A.	132

Ś

Śliwińska M.A.	19
Średniawa W.	<u>60</u>

T

Tepper B.	4, 189
Topolewska M.	61
Tracz-Gaszewska Z.	190
Traczyk G.	95
Trzaskoma P.	191
Turos L.	82

V

Vafadari B.	<u>193</u>
--------------------	-------------------

W

Walczak A.	<u>202</u>
Walczak J.	114, 195
Walewska A.	<u>185</u>
Waligóra M.	113

Waś H.	<u>196</u>
Węsierska M.	198
Więckowski M.R.	18, 42, 55, 110, 114, 115, 124, 139, 172, 187, 188
Wilanowski T.	54
Wilczyński G.M.	8, 166
Wilk P.	178
Włodarczyk J.	1, 21, 51, 82, 91, 208
Włoga D.	70, 133, 150
Wojda U.	24, 31, 126
Wojnicki K.	201
Wojtaś B.	28, 45, 106, 108, 141, 154, 157, 194, 196, 201
Wojtczak L.	188
Wolny A.	166
Woś M.	203
Wójcik D.K.	60, 97, 109
Wójcik M.J.	204
Wójtowicz T.	208
Wróbel A.	44
Wypych M.	89, 205
Wyroba E.	119
Wysocka A.	135

Z

Zabłocki K.	33, 164
Zaręba-Koziół M.	21, 51, 82, 91, 208
Zawadzka M.	157
Zglinicki B.	127
Zielińska M.M.	133
Zieliński Z.	178
Ziemlińska E.	23

Ż

Żelechowska A.	<u>105</u>
Żochowska M.	100
Żółtowska K.M.	126
Żurawski Ł.	167