

SPIS PUBLIKACJI

INSTYTUTU BIOLOGII DOŚWIADCZALNEJ im. M. NENCKIEGO PAN ZA ROK 2017¹

1. *Antosiewicz A., Jarmuła A., Przybylska D., Mosieniak G., Szczepanowska J., Kowalkowska A., Rode W., Cieśla J. (2017)*
Human dihydrofolate reductase and thymidylate synthase form a complex in vitro and co-localize in normal and cancer cells.
J. Biomol. Struct. Dyn., **35**, 1474-1490
2. *Asosingh K., Piwocka K., Schildberg F.A. (2017)*
New developments in cytometric phenotyping.
Cytometry. Part A., **91**, 950-951
3. *Augustynek B., Kunz W.S., Szewczyk A. (2017)*
Guide to the pharmacology of mitochondrial potassium channels.
In: *Pharmacology of mitochondria*. Eds. Singh H., Sheu S., Cham : Springer Int. Publ., *Handbook of Experimental Pharmacology*, **240**, 103-127
4. *Bandorowicz-Pikuła J. (2017)*
The roles of annexins in vascular endothelium dysfunction accompanying diabetes mellitus type 2.
Post. Bioch., **63**, 119-124
5. *Barańska J., Czajkowski R., Pomorski P. (2017)*
P2Y₁ receptors - properties and functional activities.
Adv. Exp. Med. Biol., **1051**, 71-89
6. *Bartkowska K., Świątek I., Aniszewska A., Jurewicz E., Turlejski K., Filipek A., Djavadian R. (2017)*
Stress-dependent changes in the CacyBP/SIP interacting protein S100A6 in the mouse brain.
PLoS One, **12**, e0169760, 1-18
7. *Bekisz M., Shendye N., Raciborska I., Wróbel A., Waleszczyk W.J. (2017)*
Reduction in spontaneous firing of mouse excitatory layer 4 cortical neurons following visual classical conditioning.
In: *Photonics applications in astronomy, communications, industry, and high energy physics experiments 2017*. Ed. by Romaniuk R.S., Linczuk M., Bellingham, Washington : SPIE, UNSP **104452I**, (Proceedings of SPIE, v. 10445)

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

8. **Bernadzki K.M., Gawor M., Peziński M., Mazurek P., Niewiadomski P., Rędownicz M.J., Prószyński T.J. (2017)**
Liprin- α -1 is a novel component of the murine neuromuscular junction and is involved in the organization of the postsynaptic machinery.
Sci. Rep., **7**, art. no. 9116, 1-12
9. **Bijata M., Labus J., Guseva D., Stawarski M., Butzlaff M., Dzwonek J., Schneeberg J., Böhm K., Michaluk P., Rusakov D.A., Dityatev A., Wilczyński G., Włodarczyk J., Ponimaskin E. (2017)**
Synaptic remodeling depends on signaling between serotonin receptors and the extracellular matrix
Cell Rep., **19**, 1767-1782
10. **Bilska-Kos A., Solecka D., Dziewulska A., Ochodzki P., Jończyk M., Bilski H., Sowiński P. (2017)**
Low temperature caused modifications in the arrangement of cell wall pectins due to changes of osmotic potential of cells of maize leaves (*Zea mays L.*).
Protoplasma, **254**, 713-724
11. **Blasiak J., Piechota M., Pawłowska E., Szatkowska M., Sikora E., Kaarniranta K. (2017)**
Cellular senescence in age-related macular degeneration: can autophagy and DNA damage response play a role?
Oxid. Med. Cell. Longev., **2017**, art. ID 5293258, 1-15
12. **Błaszczak J.W. (2017)**
Nigrostriatal interaction in the aging brain: new therapeutic target for Parkinson's disease.
Acta Neurobiol. Exp. **77**, 106-112
13. **Bola Ł., Radziun D., Siuda-Krzywicka K., Sowa J.E., Paplińska M., Sumera E., Szwed M. (2017)**
Universal visual features might be necessary for fluent reading. a longitudinal study of visual reading in Braille and cyrillic alphabets.
Front Psychol., **8**, art. no. 514, 1-9
14. **Bola Ł., Siuda-Krzywicka K., Paplińska M., Sumera E., Zimmermann M., Jednoróg K., Marchewka A., Szwed M. (2017)**
Structural reorganization of the early visual cortex following Braille training in sighted adults.
Sci. Rep., **7**, art. no. 17448, 1-12
15. **Bola Ł., Zimmermann M., Mostowski P., Jednoróg K., Marchewka A., Rutkowski P., Szwed M. (2017)**
Task-specific reorganization of the auditory cortex in deaf humans.
Proc. Natl. Acad. Sci. U.S.A., **114**, E600-E609

16. **Bonora M., Morganti C., Morciano G., Pedriali G., Lebedzińska-Arciszewska M., Aquila G., Giorgi C., Rizzo P., Campo G., Ferrari R., Kroemer G., Więckowski M.R., Galluzzi L., Pinton P. (2017)**
Mitochondrial permeability transition involves dissociation of F₁F₀ ATP synthase dimers and C-ring conformation.
EMBO Rep., **18**, art. no. e2016436027, 1077-1089

17. **Borzęcka-Solarz K., Dembińska J., Hromada-Judycka A., Traczyk G., Ciesielska A., Ziemińska E., Świątkowska A., Kwiatkowska K. (2017)**
Association of Lyn kinase with membrane rafts determines its negative influence on LPS-induced signaling.
Mol. Biol. Cell., **28**, 1147-1159

18. **Brzdąk P., Włodarczyk J., Mozrzyk J.W., Wójtowicz T. (2017)**
Matrix metalloprotease 3 activity supports hippocampal EPSP-to-Spike plasticity following patterned neuronal activity via the regulation of NMDAR function and calcium flux.
Mol. Neurobiol., **54**, 804-816

19. **Burnat K., Hu T.T., Kossut M., Eysel U.T., Arckens L. (2017)**
Plasticity beyond V1: reinforcement of motion perception upon binocular central retinal lesions in adulthood.
J. Neurosci., **37**, 8989-8999

20. **Cabaj A.M., Majczyński H., Couto E., Gardiner P.F., Stecina K., Sławińska U., Jordan L.M. (2017)**
Serotonin controls initiation of locomotion and afferent modulation of coordination via 5-HT₇ receptors in adult rats.
J. Physiol., **595.1**, 301-320

21. **Ciesielska A., Sas-Nowosielska H., Kwiatkowska K. (2017)**
Bis(monoacylglycerol)phosphate inhibits TLR4-dependent RANTES production in macrophages.
Int. J. Biochem. Cell Biol., **83**, 15-26

22. **Cieślińska-Świder J., Furmanek M.P., Błaszczak J.W. (2017)**
The influence of adipose tissue location on postural control.
J. Biomech., **60**, 162-169

23. **Cserpán D., Meszéna D., Wittner L., Tóth K., Ulbert I., Somogyvári Z., Wójcik D.K. (2017)**
Revealing the distribution of transmembrane currents along the dendritic tree of a neuron from extracellular recordings.
eLife, **6**, art. no. e29384, 1-35

24. **Cybulska-Kłosowicz A., Dąbrowska J., Niedzielec S., Zakrzewska R., Różycka A. (2017)**
Potential role of dopamine transporter in behavioral flexibility.
Acta Neurobiol. Exp., **77**, 176-189

25. **Cybulska-Kłosowicz A., Laczowska M., Zakrzewska R., Kaliszewska A. (2017)**
Attentional deficits and altered neuronal activation in medial prefrontal and posterior parietal cortices in mice with reduced dopamine transporter levels.
Mol. Cell. Neurosci., **85**, 82-92

26. **Danese A., Patergnani S., Bonora M., Więckowski M.R., Previati M., Giorgi C., Pinton P. (2017)**
Calcium regulates cell death in cancer: Roles of the mitochondria and mitochondria-associated membranes (MAMs).
Biochim Biophys Acta-Bioenerg., **1858**, 615-627

27. **Dąbrowska M., Sirotnak F.M. (2017)**
E2F site in the essential promoter region does not confer S phase-specific transcription of the ABCC10 gene in human prostate cancer cells.
Acta Bioch. Pol., **63**, 371-374

28. **Del Prete D., Suski J.M., Oulès B., Debalye D., Gay A.S., Lacas-Gervais S., Bussiere R., Bauer C., Pinton P., Paterlini-Bréchet P., Więckowski M.R., Checler F., Chami M. (2017)**
Localization and processing of the amyloid- β protein precursor in mitochondria-associated membranes.
J. Alzheimers Dis., **55**, 1549-1570

29. **Diogo C.V., Deus C.M., Lebedzińska-Arciszewska M., Wojtala A., Więckowski M.R., Oliveira P.J. (2017)**
Carvedilol and antioxidant proteins in a type I diabetes animal model.
Eur. J. Clin. Invest., **47**, 19-29

30. **Dobrzański G., Kossut M. (2017)**
Application of the DREADD technique in biomedical brain research.
Pharmacol. Rep., **69**, 213-221

31. **Domin H., Przykaza Ł., Jantas D., Koźniewska E., Boguszewski P.M., Śmiałowska M. (2017)**
Neuropeptide Y Y2 and Y5 receptors as promising targets for neuroprotection in primary neurons exposed to oxygen-glucose deprivation and in transient focal cerebral ischemia in rats.
Neuroscience, **344**, 305-325

32. **Dowierciał A., Jarmuła A., Wilk P., Rypniewski W., Kowalska M., Frączyk T., Cieśla J., Rode W. (2017)**
Mouse thymidylate synthase does not show the inactive conformation, observed for the human enzyme.
Struct. Chem., **28**, 667-674

33. **Dudkowska M., Janiszewska D., Karpa A., Broczek K., Dąbrowski M., Sikora E. (2017)**
The role of gender and labour status in immunosenescence of 65+ Polish population.
Biogerontology, **18**, 581-590

34. **Dymkowska D., Kawalec M., Wyszomirski T., Zabłocki K. (2017)**
Mild palmitate treatment increases mitochondrial mass but does not affect EA.hy926 endothelial cells viability.
Arch. Biochem. Biophys., **634**, 88-95
35. **Dzięcioł M., Nizański W., Jezierski T., Szumny A., Godzińska E.J., Ochota M., Stańczyk E., Najder-Kozdrowska L., Woszczyło M., Pieczewska B. (2017)**
The efficiency of synthetic sex pheromones in sexual arousal stimulation in domestic dogs.
Pol. J. Vet. Sci., **20**, 429-437
36. **Dźwiniel P., Gola M., Wójcik-Gryciuk A., Waleszczyk W.J. (2017)**
Specvis: Free and open-source software for visual field examination.
PLoS One, **12**, 1-31
37. **Ejsmont-Karabin J., Zieliński P. (2017)**
Fauna wrotków (Rotifera) w regulowanym i renaturyzowanym odcinku małej, nizinnej rzeki Rudnia.
W: Funkcjonowanie i ochrona wód płynących. Pod red. Czerniawski R., Bilski P., Szczecin: Volumina, 79-87
38. **Ellert-Miklaszewska A., Ciechomska I.A., Kamińska B. (2017)**
Cannabinoid signaling in glioma cells and therapeutic implications.
In: Handbook of cannabis and related pathologies: Biology, Pharmacology, Diagnosis, and Treatment. Ed. by Preedy V.R., London, Elsevier Inc., e111-e121
39. **Ellert-Miklaszewska A., Poleszak K., Kamińska B. (2017)**
Short peptides interfering with signaling pathways as new therapeutic tools for cancer treatment.
Future Med. Chem., **9**, 199-221
40. **EV-TRACK Consortium m.in. Ćmoch A. x. (2017)**
EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research.
Nat. Methods, **14**, 228-232
41. **Fakhry M., Roszkowska M., Briolay A., Bougault C., Guignandon A., Diaz-Hernandez J.I., Diaz-Hernandez M., Pikuła S., Buchet R., Hamade E., Badran B., Bessueille L., Magne D. (2017)**
TNAP stimulates vascular smooth muscle cell trans-differentiation into chondrocytes through calcium deposition and BMP-2 activation: possible implication in atherosclerotic plaque stability.
Biochim. Biophys. Acta-Mol. Basis Dis., **1863**, 643-653
42. **Feniova I.Yu., Rzepecki M., Zilitinkevich N.S., Kostrzewska-Szlakowska I., Petrosyan V.G. (2017)**
Experimental study of indirect effects of fish on the demographic parameters of cladoceran species under eutrophic conditions.
Inland Water Biol., **10**, 399-404

43. *Fichna J.P., Potulska-Chromik A., Miszta P., Rędowicz M.J., Kamińska A.M., Żekanowski C., Filipek S. (2017)*
A novel dominant D109A *CRYAB* mutation in a family with myofibrillar myopathy affects α B-crystallin structure.
Biochim. Biophys. Acta-Clinical., **7**, 1-7
44. *Filipowicz M., Ptaszyńska N., Olkiewicz K., Dębowski D., Ćwikłowska K., Burster T., Pikula M., Krzystyniak A., Łęgowska A., Rolka K. (2017)*
Spliced analogues of trypsin inhibitor SFTI-1 and their application for tracing proteolysis and delivery of cargos inside the cells.
Biopolymers, **108**, 1-13
45. *Frankenreiter S., Bednarczyk P., Kniess A., Bork N., Straubinger J., Koprowski P., Wrzosek A., Mohr E., Logan A., Murphy M.P., Gawaz M., Krieg T., Szewczyk A., Nikolaev V.O., Ruth P., Lukowski R. (2017)*
cGMP-elevating compounds and ischemic conditioning provide cardioprotection against ischemia and reperfusion injury via cardiomyocyte-specific BK channels.
Circulation, **136**, 2337-2355
46. *Garofalo S., Porzia A., Mainiero F., Di Angelantonio S., Cortese B., Basilico B., Pagani F., Cignitti G., Chece G., Maggio R., Tremblay M.E., Savage J., Bisht K., Esposito V., Bernardini G., Seyfried T., Mieczkowski J., Stepniak K., Kamińska B., Santoni A., Limatola C. (2017)*
Environmental stimuli shape microglial plasticity in glioma.
eLife, **6**, art. no. e33415, 1-28
47. *Giertuga K., Zakrzewska M.Z., Bielecki M., Racicka-Pawlukiewicz E., Kossut M., Cybulska-Kłosowicz A. (2017)*
Age-related changes in resting-state EEG activity in attention deficit/hyperactivity disorder: a cross-sectional study.
Front. Hum. Neurosci., **11**, art. no 285, 1-11
48. *Gieryng A., Pszczółkowska D., Bocian K., Dąbrowski M., Rajan W.D., Kloss M., Mieczkowski J., Kamińska B. (2017)*
Immune microenvironment of experimental rat C6 gliomas resembles human glioblastomas.
Sci. Rep., **7**, art. no. 17556, 1-14
49. *Gieryng A., Pszczółkowska D., Walentynowicz K.A., Rajan W.D., Kamińska B. (2017)*
Immune microenvironment of gliomas.
Lab. Invest., **97**, 498-518
50. *Głowiczki B., Török D.g., Márton G., Gál L., Bodzay T., Pintér S., Nógrádi A. (2017)*
Delayed spinal cord-brachial plexus reconnection after C7 ventral root avulsion: the effect of reinnervating motoneurons rescued by riluzole treatment.
J. Neurotrauma, **34**, 2364-2374

51. **Głabiska H., Chintaluri H.C., Wójcik D.K. (2017)**
Collection of simulated data from a thalamocortical network model.
Neuroinformatics, **15**, 87-99
52. **Gola M., Wordecha M., Sescousse G., Lew-Starowicz M., Kossowski B., Wypych M., Makeig S., Potenza M.N., Marchewka A. (2017)**
Can pornography be addictive? An fMRI study of men seeking treatment for problematic pornography use.
Neuropsychopharmacology, **42**, 2021-2031
53. **Grabowska A. (2017)**
Sex on the brain: are gender-dependent structural and functional differences associated with behavior?
J. Neurosci. Res., **95**, 200-212
54. **Grabowska A.I., Wilanowski T. (2017)**
FOXN1 transcription factor in epithelial growth and wound healing.
Mol. Cell. Biol., **37**, art. no. E00110-17, 1-10
55. **Grabowska M., Jekatierynczuk-Rudczyk E., Karpowicz M., Ejsmont-Karabin J. (2017)**
Rola dopływów w kształtowaniu jakości wód górnej Narwi.
W: Funkcjonowanie i ochrona wód płynących. Pod red. Czerniawski R., Bilski P., Szczecin: Volumina, 333-343
56. **Grabowska W., Sikora E., Bielak-Żmijewska A. (2017)**
Sirtuins, a promising target in slowing down the ageing process.
Biogerontology, **18**, 447-476
57. **Guglielmi V., Nowis D., Tinelli M., Malatesta M., Paoli L., Marini M., Manganotti P., Sadowski R., Wilczyński G.M., Meneghini V., Tomelleri G., Vattemi G. (2017)**
Bortezomib-induced muscle toxicity in multiple myeloma.
J. Neuropathol. Exp. Neurol., **76**, 620-630
58. **Hołówka J., Trojanowski D., Ginda K., Wojtaś B., Gielniewski B., Jakimowicz D., Zakrzewska-Czerwińska J. (2017)**
HupB is a bacterial nucleoid-associated protein with an indispensable eukaryotic-like tail.
mBio, **8**, art. no. e01272-17, 1-17
59. **Jabłoński A., Fritz Y., Wagenknecht H.-A., Czerwieniec R., Bernaś T., Trzybiński D., Woźniak K., Kowalski K. (2017)**
Pyrene–nucleobase conjugates: synthesis, oligonucleotide binding and confocal bioimaging studies.
Beilstein J. Org. Chem., **13**, 2521-2534
60. **Janecki T. (2017)**
40-lat Mazurskiego Parku Krajobrazowego – różnorodność biologiczna i kulturowa, Piaski 31 maja - 1 czerwca 2017 roku.
Wiad. Hydrobiol., **213**, 7-10

61. **Janecki T. (2017)**
 Stacja Hydrobiologiczna Instytutu Biologii Doświadczalnej im. Marcelego Nenckiego PAN w Mikołajkach.
 Wiad. Hydrobiol., **212**, 19-22
62. **Jarmuła A., Wilk P., Maj P., Ludwiczak J., Dowierciał A., Banaszak K., Rypniewski W., Cieśla J., Dąbrowska M., Frączyk T., Bronowska A.K., Jakowiecki J., Filipek S., Rode W. (2017)**
 Crystal structures of nematode (parasitic *T. spiralis* and free living *C. elegans*), compared to mammalian, thymidylate synthases (TS). Molecular docking and molecular dynamics simulations in search for nematode-specific inhibitors of TS.
 J. Mol. Graph. Model., **77**, 33-50
63. **Jiang Y.-Y., Maier W., Baumeister R., Minevich G., Joachimiak E., Ruan Z., Kannan N., Clarke D., Frankel J., Gaertig J. (2017)**
 The hippo pathway maintains the equatorial division plane in the ciliate *Tetrahymena*.
 Genetics, **206**, 873-888
64. **Jurkiewicz D., Michalec K., Skowronek K., Nałęcz K.A. (2017)**
 Tight junction protein ZO-1 controls organic cation/carnitine transporter OCTN2 (SLC22A5) in a protein kinase C-dependent way.
 Biochim. Biophys. Acta-Mol. Cell Res., **1864**, 797-805
65. **Kaczmarek L. (2017)**
 Bed nucleus of the stria terminalis-derived corticotropin-releasing factor controls binge alcohol drinking via interacting with corticotropin-releasing factor receptors 1 and 2 in the ventral tegmental area. Commentary.
 Biol. Psychiat., **81**, 905-906
66. **Kalwarczyk T., Kwapiszewska K., Szczepański K., Sozański K., Szymański J., Michalska B., Patalas-Krawczyk P., Duszyński J., Hołyst R. (2017)**
 Apparent anomalous diffusion in the cytoplasm of human cells: the effect of probes' polydispersity.
 J. Phys. Chem. B., **121**, 9831-9837
67. **Karpowicz M., Ejsmont-Karabin J. (2017)**
 Effect of metalimnetic gradient on phytoplankton and zooplankton (Rotifera, Crustacea) communities in different trophic conditions.
 Environ. Monit. Assess., **189**, 1-13
68. **Kasprowicz G., Mankiewicz L., Jarosiński J., Sowiński M., Krawczyk R.D., Czajkowski R., Knapska E., Puścian A., Kowalski J., Rasiński P., Kasprowicz P. (2017)**
 An automated cage for optogenetic experiments with electromagnetic positioning system.
 In: Photonics Applications in Astronomy, Communications, Industry, and High Energy Physics Experiments 2017. Ed. by Romaniuk R., Linczuk M., Bellingham, Washington: SPIE, UNSP **104453Z**, doi: 10.1117/12.2281224 (Proceedings of SPIE, 10445)

69. **Kądziołka B., Leśniak W., Filipek A. (2017)**
Regulation of CacyBP/SIP expression by NFAT1 transcription factor.
Immunobiology, **222**, 872-877
70. **Kijewska M., Kocyk M., Kloss M., Stepniak K., Korwek Z., Polakowska R., Dąbrowski M., Gieryng A., Wojtaś B., Ciechomska I.A., Kamińska B. (2017)**
The embryonic type of SPP1 transcriptional regulation is re-activated in glioblastoma.
Oncotarget, **8**, 16340-16355
71. **Knauer B., Majka P., Watkins K.J., Taylor A.W.R., Malamanova D., Paul B., Yu H.-H., Bush A.I., Hare D.J., Reser D.H. (2017)**
Whole-brain metallomic analysis of the common marmoset (*Callithrix jacchus*).
Metallomics, **9**, 411-423
72. **Kolada E., Bielski K., Falkiewicz M., Szatkowska I. (2017)**
Functional organization of the human amygdala in appetitive learning.
Acta Neurobiol Exp., **77**, 118-127
73. **Kondratiuk I., Łęski S., Urbańska M., Biecek P., Devijver H., Lechat B., Van Leuven F., Kaczmarek L., Jaworski T. (2017)**
GSK-3 β and MMP-9 cooperate in the control of dendritic spine morphology.
Mol. Neurobiol., **54**, 200-211
74. **Kotowska I., Wójcik M.J., Nowicka M.M., Marczak K., Nowicka A. (2017)**
Present and past selves: a steady-state visual evoked potentials approach to self-face processing.
Sci. Rep., **7**, art. no. 16438, 1-9
75. **Krzemień-Ojak Ł., Góral A., Joachimiak E., Filipek A., Fabczak H. (2017)**
Interaction of a novel chaperone PhLP2A with the heat shock protein Hsp90.
J. Cell. Biochem., **118**, 420-429
76. **Krzemiński D., Kamiński M., Marchewka A., Bola M. (2017)**
Breakdown of long-range temporal correlations in brain oscillations during general anesthesia.
Neuroimage, **159**, 146-158
77. **Kulma M., Kacprzyk-Stokowiec A., Kwiatkowska K., Traczyk G., Sobota A., Dadlez M. (2017)**
R468A mutation in perfringolysin O destabilizes toxin structure and induces membrane fusion.
Biochim. Biophys. Acta-Biomembranes., **1859**, 1075-1088
78. **Kuźnicki L. (2017)**
Determinanty rozwoju człowieka.
Res Humana, **149**, 14-17

79. Kwiatkowski S., Cyranowski S., Osiecka B.J. (2017)
The role of photodynamic therapy as a novel strategy in clinical practice.
World Sci. News, **89**, 16-21
80. Lapinlampi N., Melin E., Aronica E., Bankstahl J.P., Becker A.J., Bernard C., Gorter J.A., Gröhn O., Lipsanen A., **Lukasiuk K.**, Löscher W., Paananen J., Ravizza T., Roncon P., Simonato M., Vezzani A., Kokaia M., Pitkänen A. (2017)
Common data elements and data management: remedy to cure underpowered preclinical studies.
Epilepsy Res., **129**, 87-90
81. **Laskowska-Macios K.**, Arckens L., **Kossut M.**, Burnat K. (2017)
BDNF expression in cat striate cortex is regulated by binocular pattern deprivation.
Acta Neurobiol. Exp., **77**, 199-204
82. **Leśniak W.**, Wilanowski T., **Filipek A.** (2017)
S100A6 – focus on recent developments.
Biol. Chem., **398**, 1087-1094
83. **Łepeta K.**, Purzycka K.J., Pachulska-Wieczorek K., Mitjans M., Begemann M., Vafadari B., Bijata K., Adamiak R.W., Ehrenreich H., **Dziembowska M.**, Kaczmarek L. (2017)
A normal genetic variation modulates synaptic MMP-9 protein levels and the severity of schizophrenia symptoms.
EMBO Mol. Med., **9**, art. no. E201707723, 1100-1116
84. Maifrede S., Martin K., **Podszywałow-Bartnicka P.**, Sullivan-Reed K., Langer S.K., Nejati R., Dasgupta Y., Hulse M., Gritsyuk D., Nieborowska-Skorska M., Lupey-Green L.N., Zhao H., **Piwocka K.**, Wasik M.A., Tempera I., Skorski T. (2017)
IGH/MYC translocation associates with BRCA2 deficiency and synthetic lethality to PARP1 inhibitors.
Mol. Cancer Res., **15**, 967-972
85. Maifrede S., Martinez E., Nieborowska-Skorska M., Di Marcantonio D., Hulse M., **Le B.V.**, Zhao H., **Piwocka K.**, Tempera I., Sykes S.M., Skorski T. (2017)
MLL-AF9 leukemias are sensitive to PARP1 inhibitors combined with cytotoxic drugs.
Blood Adv., **1**, 1467-1472
86. Majewski Ł., Maciąg F., **Boguszewski P.M.**, Wasilewska I., Wiera G., Wójtowicz T., Mozrzymas J.W., Kuźnicki J. (2017)
Overexpression of STIM1 in neurons in mouse brain improves contextual learning and impairs long-term depression.
Biochim. Biophys. Acta-Mol. Cell Res., **1864**, 1071-1087

87. *Mattei D., Ivanov A., Ferrai C., Jordan P., Guneykaya D., Buonfiglioli A., Schaafsma W., Przanowski P., Deuther-Conrad W., Brust P., Hesse S., Patt M., Sabri O., Ross T.L., Eggen B.J.L., Boddeke E.W.G.M., Kamińska B., Beule D., Pombo A., Kettenmann H., Wolf S.A. (2017)*
Maternal immune activation results in complex microglial transcriptome signature in the adult offspring that is reversed by minocycline treatment.
Transl. Psychiat., **7**, art. no. E1120, 1-13
88. *Mayevska O., Chen O., Karatsai O., Bobak Y., Barska M., Lyniv L., Pavlyk I., Rzhpetskyy Y., Igumentseva N., Rędowicz M.J., Stasyk O. (2017)*
Nitric oxide donor augments antineoplastic effects of arginine deprivation in human melanoma cells.
Exp. Cell Res., **355**, 162-171
89. *Meyza K.Z., Ben-Ami Bartal I., Monfils M.H., Panksepp J.B., Knapska E. (2017)*
The roots of empathy: through the lens of rodent models.
Neurosci. Biobehav. Rev., **76 B**, 216-234
90. *Meyza K.Z., Blanchard D.C. (2017)*
The BTBR mouse model of idiopathic autism - current view on mechanisms.
Neurosci. Biobehav. Rev., **76 A**, 99-110
91. *Meyza K.Z., Knapska E. (2017)*
Maternal behavior: why mother rats protect their children.
eLife, **6**, art. no. e28514, 1-2
92. *Michałowski J.M., Drożdżiel D., Matuszewski J., Koziejowski W., Jednoróg K., Marchewka A. (2017)*
The Set of Fear Inducing Pictures (SFIP): development and validation in fearful and nonfearful individuals.
Behav. Res. Methods, **49**, 1407-1419
93. *Michałowski J.M., Koziejowski W., Drożdżiel D., Harciarek M., Wypych M. (2017)*
Error processing deficits in academic procrastinators anticipating monetary punishment in a go/no-go study.
Pers. Individ. Differ., **117**, 198-204
94. *Michałowski J.M., Matuszewski J., Drożdżiel D., Koziejowski W., Rynkiewicz A., Jednoróg K., Marchewka A. (2017)*
Neural response patterns in spider, blood-injection-injury and social fearful individuals: new insights from a simultaneous EEG/ECG-fMRI study.
Brain Imaging Behav., **11**, 829-845
95. *Mietelska-Porowska A., Wojda U. (2017)*
T lymphocytes and inflammatory mediators in the interplay between brain and blood in Alzheimer's disease: potential pools of new biomarkers.
J. Immunol. Res., **2017**, art. no. 4626540, 1-17

- 96. Mijakowska Z., Łukasiewicz K., Ziółkowska M., Lipiński M., Trąbczyńska A., Matuszek Ż., Łęski S., Radwańska K. (2017)**
Autophosphorylation of alpha isoform of calcium/calmodulin-dependent kinase II regulates alcohol addiction-related behaviors.
Addict. Biol., **22**, 331-341
- 97. Mijakowska Z., Radwańska K. (2017)**
Zwierzęce modele uzależnienia od alkoholu.
Wszechświat, **118**, 46-53
- 98. Miler K., Symonowicz B., Godzińska E.J. (2017)**
Increased risk proneness or social withdrawal? The effects of shortened life expectancy on the expression of rescue behavior in workers of the ant *Formica cinerea* (Hymenoptera: Formicidae).
J. Insect Behav., **30**, 632-644
- 99. Morciano G., Bonora M., Campo G., Aquila G., Rizzo P., Giorgi C., Więckowski M.R., Pinton P. (2017)**
Mechanistic role of mPTP in Ischemia-Reperfusion injury.
Adv. Exp. Med. Biol., **982**, 169-189
- 100. Næss S., Chintaluri C., Ness T.V., Dale A.M., Einevoll G.T., Wójcik D.K. (2017)**
Corrected four-sphere head model for EEG signals.
Front. Hum. Neurosci., **11**, art. no 490, 1-7
- 101. Nagaraj S., Laskowska-Kaszub K., Dębski K.J., Wojsiat J., Dąbrowski M., Gabryelewicz T., Kuźnicki J., Wojda U. (2017)**
Profile of 6 microRNA in blood plasma distinguish early stage Alzheimer's disease patients from non-demented subjects.
Oncotarget, **8**, 16122-16143
- 102. Nair R.R., Patil S., Tiron A., Kanhema T., Panja D., Schiro L., Parobczak K., Wilczyński G., Bramham C.R. (2017)**
Dynamic arc SUMOylation and selective interaction with F-Actin-Binding protein drebrin A in LTP consolidation in vivo.
Front. Synaptic Neurosci., **9**, art. no 8, 1-14
- 103. Nałęcz K.A. (2017)**
Is fat tasty for the brain? An Editorial Comment for 'Developmental regulation and localization of Carnitine Palmitoyltransferases (CPTs) in rat brain'.
J. Neurochem., **142**, 347-349
- 104. Nałęcz K.A. (2017)**
Solute carriers in the blood-brain barrier: safety in abundance.
Neurochem. Res., **42**, 795-809

105. *Nieborowska-Skorska M., Maifrede S., Dasgupta Y., Sullivan K., Flis S., Le B.V., Solecka M., Belyaeva E.A., Kubovcakova L., Nawrocki M., Kirschner M., Zhao H., Prchal J.T., Piwocka K., Moliterno A.R., Wasik M.A., Koschmieder S., Skoda R.C., Skorski T. (2017)*
Ruxolitinib-induced defects in DNA repair cause sensitivity to PARP inhibitors in myeloproliferative neoplasms.
Blood, **130**, 2848-2859
106. *Nieborowska-Skorska M., Sullivan K., Dasgupta Y., Podszywałow-Bartnicka P., Hoser G., Maifrede S., Martinez E., Di Marcantonio D., Bolton-Gillespie E., Cramer-Morales K., Lee J., Li M., Slupianek A., Gritsyuk D., Cerny-Reiterer S., Seferyńska I., Stokłosa T., Bullinger L., Zhao H., Gorbunova V., Piwocka K., Valent P., Civin C.I., Muschen M., Dick J.E., Wang J.C.Y., Bhatia S., Bhatia R., Eppert K., Minden M.D., Sykes S.M., Skorski T. (2017)*
Gene expression and mutation-guided synthetic lethality eradicates proliferating and quiescent leukemia cells.
J. Clin. Invest., **127**, 2392-2406
107. *Niżyński B., Dzwolak W., Nieznański K. (2017)*
Amyloidogenesis of Tau protein.
Protein Sci., **26**, 2126-2150
108. *Noga B.R., Sanchez F.J., Villamil L.M., O'Toole C., Kasicki S., Olszewski M., Cabaj A.M., Majczyński H., Sławińska U., Jordan L.M. (2017)*
LFP oscillations in the mesencephalic locomotor region during voluntary locomotion.
Front. Neural Circuits, **11**, art. no 34, 1-17
109. *Oczko-Wojciechowska M., Świerniak M., Krajewska J., Kowalska M., Kowal M., Stokowy T., Wojtaś B., Rusinek D., Pawlaczek A., Czarniecka A., Szpak-Ulczok S., Gawlik T., Chmielik E., Tyszkiewicz T., Nikiel B., Lange D., Jarząb M., Wiench M., Jarząb B. (2017)*
Differences in the transcriptome of medullary thyroid cancer regarding the status and type of RET gene mutations.
Sci. Rep., **7**, art. no 42074, 1-10
110. *Paluch K., Jurewicz K., Rogala J., Krauz R., Szczypińska M., Mikicin M., Wróbel A., Kublik E. (2017)*
Beware: recruitment of muscle activity by the EEG-Neurofeedback trainings of high frequencies.
Front. Hum. Neurosci., **11**, art. no 119, 1-11
111. *Pałasz E., Bąk A., Gąsiorowska A., Niewiadomska G. (2017)*
Rola czynników troficznych i procesów zapalnych w neuroprotekcji indukowanej wysiłkiem w chorobie Parkinsona.
Post. Hig. Med. Dośw., **71**, 713-726

112. *Patergnani S., Fossati V., Bonora M., Giorgi C., Marchi S., Missiroli S., Rusielewicz T., Więckowski M.R., Pinton P. (2017)*
Mitochondria in multiple sclerosis: molecular mechanisms of pathogenesis.
Int. Rev. Cell Mol. Biol., **328**, 49-103
113. *Pawlak M., Kikulska A., Wrzesiński T., Rausch T., Kwias Z., Wilczyński B., Benes V., Wesoly J., Wilanowski T. (2017)*
Potential protective role of Grainyhead-like genes in the development of clear cell renal cell carcinoma.
Mol. Carcinog., **56**, 2414-2423
114. *Pawłowska M., Legutko D., Stefaniuk M. (2017)*
Zajrzeć w głąb mózgu – nowe techniki oczyszczania optycznego i obrazowania z zastosowaniem mikroskopu arkusza światła.
Post. Bioch., **63**, 8-15
115. *Pawłowski M., Gąsior J., Bonikowski M., Dziedzic E., Błaszczak J.W. (2017)*
Long-term benefits from selective dorsal rhizotomy in a young patient with cerebral palsy.
Pol. Ann. Med., **24**, 256-260
116. *Pedriali G., Rimessi A., Sbrano L., Giorgi C., Więckowski M.R., Previati M., Pinton P. (2017)*
Regulation of endoplasmic reticulum-mitochondria Ca^{2+} transfer and its importance for anti-cancer therapies.
Front. Oncol., **7**, art. no 180, 1-9
117. *Pikuła M., Smużyńska M., Krzystyniak A., Zieliński M., Langa P., Deptuła M., Schumacher A., Łata J., Cichorek M., Grubb A., Trzonkowski P., Kasprzykowski F., Rodziewicz-Motowidło S. (2017)*
Cystatin C peptidomimetic derivative with antimicrobial properties as a potential compound against wound infections.
Bioorg. Med. Chem., **25**, 1431-1439
118. *Plachno B.J., Świątek P., Jobson R.W., Malota K., Brutkowski W. (2017)*
Serial block face SEM visualization of unusual plant nuclear tubular extensions in a carnivorous plant (*Utricularia*, Lentibulariaceae).
Ann. Bot., **120**, 673-680
119. *Płoński P., Gradkowski W., Altarelli I., Monzalvo K., van Ermingen-Marbach M., Grande M., Heim S., Marchewka A., Bogorodzki P., Ramus F., Jednoróg K. (2017)*
Multi-parameter machine learning approach to the neuroanatomical basis of developmental dyslexia.
Hum. Brain Mapp., **38**, 900-908
120. *Polechoński J., Nawrocka A., Juras G., Błaszczak J. (2017)*
Evaluation of startle response and prepulse inhibition based on changes in the range of vertical pressure force of the feet on the ground: a preliminary study.
Neurol. Sci., **38**, 2139-2143

121. **Pomorski P. (2017)**
Od przybytku głowa nie boli? Przechowywanie i dystrybucja obrazu cyfrowego.
Post. Bioch., **63**, 1-7
122. **Poreba M., Szalek A., Rut W., Kasperkiewicz P., Rutkowska-Włodarczyk I., Snipas S.J., Itoh Y., Turk D., Turk B., Overall C.M., Kaczmarek L., Salvesen G.S., Drag M. (2017)**
Highly sensitive and adaptable fluorescence-quenched pair discloses the substrate specificity profiles in diverse protease families.
Sci. Rep., **7**, art. no. 43135, 1-13
123. **Prymas K., Kwiatkowska K. (2017)**
Domeny błonowe komórek eukariotycznych i prokariotycznych i ich udział w przekazywaniu sygnału.
Kosmos, **66**, 691-702
124. **Puhakka N., Bot A.M., Vuokila N., Dębski K.J., Łukasiuk K., Pitkänen A. (2017)**
Chronically dysregulated NOTCH1 interactome in the dentate gyrus after traumatic brain injury.
PLoS One, **12**, art. no. e0172521, 1-24
125. **Rapolu M., Doleżyczek H., Tamborski S., Malinowska M., Wilczyński G., Szkulmowski M., Wojtkowski M. (2017)**
Bessel beam OCM for analysis of global ischemia in mouse brain.
In: Optical Coherence Imaging Techniques and Imaging in Scattering Media II. Ed. by Wojtkowski M., Boppart S.A., Oh W.-Y., Bellingham, Washington : SPIE, **1041609**, 1041609-1–1041609-5, doi: 10.1117/12.2287740 (Proceedings of SPIE, 10416)
126. **Reser D.H., Majka P., Snell S., Chan J.M.H., Watkins K., Worthy K., Del Mar Quiroga M., Rosa M.G.P. (2017)**
Topography of claustrum and insula projections to medial prefrontal and anterior cingulate cortex of the common marmoset (*Callithrix jacchus*).
J. Comp. Neurol., **525**, 1421-1441
127. **Riegel M., Moslehi A., Michałowski J.M., Żurawski Ł., Horvat M., Wypych M., Jednoróg K., Marchewka A. (2017)**
Nencki Affective Picture System: cross-cultural study in Europe and Iran.
Front. Psychol., **8**, art. no 274, 1-13
128. **Różycka A., Liguz-Lęcznar M. (2017)**
The space where aging acts: focus on the GABAergic synapse.
Aging Cell, **16**, 634-643
129. **Rusakov K., Radzewicz C., Czajkowski R., Konopka W., Chilczuk J. (2017)**
Mobile optogenetic modules for mice.
In: Photonics Applications in Astronomy, Communications, Industry, and High Energy Physics Experiments 2017. Ed. by Romaniuk R., Linczuk M., Bellingham, Washington : SPIE, UNSP **104452Z**, 104452Z-1-104452Z-7, doi: 10.1117/12.2280450 (Proceedings of SPIE, 10445)

130. Rzymiski T., Mikula M., Żyłkiewicz E., Dreas A., Wiklik K., Golas A., Wójcik K., Masiejczyk M., Wróbel A., Dolata I., Kitlińska A., Statkiewicz M., Kuklińska U., Goryca K., Sapała Ł., Grochowska A., **Cabaj A.**, Szajewska-Skuta M., Gabor-Worwa E., Kucwaj K., Białas A., Radzimierski A., Combik M., Woyciechowski J., Mikulski M., Windak R., Ostrowski J., Brzózka K. (2017)
SEL120-34A is a novel CDK8 inhibitor active in AML cells with high levels of serine phosphorylation of STAT1 and STAT5 transactivation domains.
Oncotarget., **8**, 33779-33795
131. Sarzyńska J., **Falkiewicz M.**, Riegel M., Babula J., Margulies D.S., Nęcka E., **Grabowska A.**, Szatkowska I. (2017)
More intelligent extraverts are more likely to deceive.
PLoS One, **12**, art. no. e0176591, 1-17
132. Sarzyńska J., Żelechowska D., **Falkiewicz M.**, Nęcka E. (2017)
Attention training in schoolchildren improves attention but fails to enhance fluid intelligence.
Stud. Psychol., **59**, 50-65
133. Sass P.A., **Dąbrowski M.**, Charzyńska A., Sachadyn P. (2017)
Transcriptomic responses to wounding: meta-analysis of gene expression microarray data.
BMC Genomics, **18**, art. no 850, 1-12
134. Schaefer N., Rotermund C., Blumrich E.-M., Lourenco M.V., Joshi P., Hegemann R.U., Jamwal S., Ali N., Garcia Romero E.M., Sharma S., Ghosh S., Sinha J.K., Loke H., Jain V., **Łepeta K.**, **Salamian A.**, Sharma M., Golpich M., Nawrotek K., Paidi R.K., Shahidzadeh S.M., Piermartiri T., Amini E., Pastor V., Wilson Y., Adeniyi P.A., Datusalia A.K., **Vafadari B.**, Saini V., Suárez-Pozos E., Kushwah N., Fontanet P., Turner A.J. (2017)
The malleable brain: plasticity of neural circuits and behavior - a review from students to students.
J. Neurochem., **142**, 790-811
135. Shukla A., **Beroun A.**, Panopoulou M., Neumann P.A., Grant S.G.N., Olive M.F., Dong Y., Schlüter O.M. (2017)
Calcium-permeable AMPA receptors and silent synapses in cocaine-conditioned place preference.
EMBO J., **36**, 458-474
136. Sikora B., Kowalik P., Mikulski J., Fronc K., Kamińska I., Szewczyk M., Konopka A., Zajdel K., Minikayev R., Sobczak K., Zaleszczyk W., Borodziuk A., Rybusiński J., Szczytko J., Sienkiewicz A., Wojciechowski T., Stępień P., Frontczak-Baniewicz M., Łapiński M., **Wilczyński G.**, Paszkowicz W., Twardowski A., Elbaum D. (2017)
Mammalian cell defence mechanisms against the cytotoxicity of NaYF₄:(Er,Yb,Gd) nanoparticles.
Nanoscale, **9**, 14259-14271

137. *Sikora E., Rattan S.I.S. (2017)*
The future of ageing: not more of the same.
Biogerontology, **18**, 429-432
138. *Siucińska E. (2017)*
Neurochemical correlates of functional plasticity in the mature cortex of the brain of rodents.
Behav. Brain Res., **331**, 102-114
139. *Skiba J., Bernaś T., Trzybiński D., Woźniak K., Ferraro G., Marasco D., Merlino A., Shafikov M.Z., Czerwieniec R., Kowalski K. (2017)*
Mitochondria targeting with luminescent Rhenium(I) complexes.
Molecules, **22**, art. no 809, 1-17
140. *Skiba J., Schmidt C., Lippmann P., Ensslen P., Wagenknecht H.-A., Czerwieniec R., Brandl F., Ott I., Bernaś T., Krawczyk B., Szczukocki D., Kowalski K. (2017)*
Substitution of metallocenes with [2.2]Paracyclophane to enable confocal microscopy imaging in living cells.
Eur. J. Inorg. Chem., **10**, 297-305
141. *Sosnowski T., Rynkiewicz A., Wordecha M., Kępkowicz A., Majewska A., Pstrągowska A., Oleksy T., Wypych M., Marchewka A. (2017)*
Patterns of brain and cardiovascular activation while solving rule-discovery and rule-application numeric tasks.
Int. J. Psychophysiol., **117**, 65-74
142. *Speranza L., Labus J., Volpicelli F., Guseva D., Lacivita E., Leopoldo M., Bellenchi G.C., Di Porzio U., Bijata M., Perrone-Capano C., Ponimaskin E. (2017)*
Serotonin 5-HT₇ receptor increases the density of dendritic spines and facilitates synaptogenesis in forebrain neurons.
J. Neurochem., **141**, 647-661
143. *Srivastava P.K., Roncon P., Łukasiuk K., Gorter J.A., Aronica E., Pitkänen A., Petretto E., Johnson M.R., Simonato M. (2017)*
Meta-analysis of MicroRNAs dysregulated in the hippocampal dentate gyrus of animal models of epilepsy.
eNeuro, **4**, ENEURO.0152-17.2017, 1-22
144. *Stamenkovic V., Stamenkovic S., Jaworski T., Gawlak M., Jovanovic M., Jakovcevski I., Wilczyński G.M., Kaczmarek L., Schachner M., Radenovic L., Andjus P.R. (2017)*
The extracellular matrix glycoprotein tenascin-C and matrix metalloproteinases modify cerebellar structural plasticity by exposure to an enriched environment.
Brain Struct. Funct., **222**, 393-415
145. *Stefaniuk M., Beroun A., Lebitko T., Markina O., Łęski S., Meyza K., Grzywacz A., Samochowiec J., Samochowiec A., Radwańska K., Kaczmarek L. (2017)*
Matrix metalloproteinase-9 and synaptic plasticity in the central amygdala in control of alcohol-seeking behavior.
Biol. Psychiat., **81**, 907-917

146. **Strzelecka-Kiliszek A., Bożycki Ł. (2017)**
Cross-talk between Src kinases and Rho small GTPases regulates biomineralization and simplify imaging of the mineralization process.
Post. Bioch., **63**, 93-109
147. **Strzelecka-Kiliszek A., Bożycki Ł., Mebarek S., Buchet R., Piłka S. (2017)**
Characteristics of minerals in vesicles produced by human osteoblasts hFOB 1.19 and osteosarcoma Saos-2 cells stimulated for mineralization.
J. Inorg. Biochem., **171**, 100-107
148. **Strzelecka-Kiliszek A., Mebarek S., Roszkowska M., Buchet R., Magne D., Piłka S. (2017)**
Functions of Rho family of small GTPases and Rho-associated coiled-coil kinases in bone cells during differentiation and mineralization.
Biochim. Biophys. Acta-Gen. Subj., **1861**, 1009-1023
149. **Strzemski M., Wojnicki K., Sowa I., Wojas-Krawczyk K., Krawczyk P., Kocjan R., Such J., Latański M., Wnorowski A., Wójciak-Kosior M. (2017)**
In vitro antiproliferative activity of extracts of *Carlina acaulis* subsp. *caulescens* and *Carlina acanthifolia* subsp. *utška*.
Front. Pharmacol., **8**, art. ID 371, 1-11
150. **Szwed M., Bola Ł., Zimmermann M. (2017)**
Whether the hearing brain hears it or the deaf brain sees it, it's just the same. Commentary.
Proc. Natl. Acad. Sci. U.S.A., **114**, 8135-8137
151. **Szybińska A., Leśniak W. (2017)**
P53 dysfunction in neurodegenerative diseases - the cause or effect of pathological changes?
Aging Dis., **8**, 506-518
152. **Szymański J., Janikiewicz J., Michalska B., Patalas-Krawczyk P., Perrone M., Ziółkowski W., Duszyński J., Pinton P., Dobrzyń A., Więckowski M.R. (2017)**
Interaction of mitochondria with the endoplasmic reticulum and plasma membrane in calcium homeostasis, lipid trafficking and mitochondrial structure.
Int. J. Mol. Sci., **18**, art. no. E1576, 1-24
153. **Szymaszek A., Wolak T., Szeląg E. (2017)**
The treatment based on temporal information processing reduces speech comprehension deficits in aphasic subjects.
Front. Aging Neurosci., **9**, art. no 98, 1-10
154. **Taracha A., Kotarba G., Wilanowski T. (2017)**
Metody analizy fosforylacji białek.
Post. Bioch., **63**, 137-142

155. *Teixeira J., Chavarria D., Borges F., Wojtczak L., Więckowski M.R., Karkucińska-Więckowska A., Oliveira P.J. (2017)*
Dietary polyphenols and mitochondrial function: role in health and disease.
Curr. Med. Chem., **24**, 1-27
156. *Topolska-Woś A.M., Rosińska S., Filipek A. (2017)*
MAP kinase p38 is a novel target of CacyBP/SIP phosphatase.
Amino Acids, **49**, 1069-1076
157. *Tracz-Gaszewska Z., Klimczak M., Biecek P., Herok M., Kosiński M., Olszewski M.B., Czerwińska P., Wiech M., Wiznerowicz M., Żylicz A., Żylicz M., Wawrzynow B. (2017)*
Molecular chaperones in the acquisition of cancer cell chemoresistance with mutated TP53 and MDM2 up-regulation.
Oncotarget, **8**, 82123-82143
158. *Uram Ł., Nizioł J., Maj P., Sobich J., Rode W., Ruman T. (2017)*
N(4)-[B-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan)methyl]-2'-deoxycytidine as a potential boron delivery agent with respect to glioblastoma.
Biomed. Pharmacother., **95**, 749-755
159. *van Vliet E.A., Puhakka N., Mills J.D., Srivastava P.K., Johnson M.R., Roncon P., Das Gupta S., Karttunen J., Simonato M., Łukasiuk K., Gorter J.A., Aronica E., Pitkänen A. (2017)*
Standardization procedure for plasma biomarker analysis in rat models of epileptogenesis: focus on circulating microRNAs.
Epilepsia, **58**, 2013-2024
160. *Vartanian V., Tumova J., Dobrzyń P., Dobrzyń A., Nakabeppu Y., Lloyd R.S., Sampath H. (2017)*
8-oxoguanine DNA glycosylase (OGG1) deficiency elicits coordinated changes in lipid and mitochondrial metabolism in muscle.
PLoS One, **12**, e0181687, 1-19
161. *Vater M., Möckl L., Gormanns V., Fademrecht C.S., Mallmann A.M., Ziegart-Sadowska K., Zaba M., Frevert M.L., Bräuchle C., Holsboer F., Rein T., Schmidt U., Kirmeier T. (2017)*
New insights into the intracellular distribution pattern of cationic amphiphilic drugs.
Sci. Rep., **7**, art. no. 44277, 1-11
162. *Vinnikov I.A., Domanskyi A., Konopka W. (2017)*
Continuous delivery of oligonucleotides into the brain.
In: *MicroRNA Technologies*. Ed. by Kye M., New York: Springer Science + Business Media, (*Neuromethods*, **128**), 89-117, doi: 10.1007/7657_2016_3
163. *Wacławek E., Joachimiak E., Hall M.H., Fabczak H., Włoga D. (2017)*
Regulation of katanin activity in the ciliate *Tetrahymena thermophila*.
Mol. Microbiol., **103**, 134-150

164. **Walczak J., Partyka M., Duszyński J., Szczepanowska J. (2017)**
Implications of mitochondrial network organization in mitochondrial stress signalling in NARP cybrid and Rho0 cells.
Sci. Rep., **7**, art. no. 14864, 1-14
165. **Walkowska A., Pawlak M., Jane S.M., Kompanowska-Jezierska E., Wilanowski T. (2017)**
Effects of high and low sodium diet on blood pressure and heart rate in mice lacking the functional Grainyhead-like 1 gene.
Physiol Res., **66**, 163-165
166. **Waschek J.A., Cohen J.R., Chi G.C., Prószyński T.J., Niewiadomski P. (2017)**
PACAP promotes matrix-driven adhesion of cultured adult murine neural progenitors.
ASN Neuro., **9**, art. no. 1759091417708720, 1-16
167. **Waś H., Barszcz K., Czarnecka J., Kowalczyk A., Bernaś T., Uzarowska E., Koza P., Klejman A., Piwocka K., Kamińska B., Sikora E. (2017)**
Bafilomycin A1 triggers proliferative potential of senescent cancer cells in vitro and in NOD/SCID mice.
Oncotarget., **8**, 9303-9322
168. **Weber D., Stuetz W., Toussaint O., Debacq-Chainiaux F., Dolle M.E.T., Jansen E., Gonos E.S., Franceschi C., Sikora E., Hervonen A., Breusing N., Sindlinger T., Moreno-Villaneuva M., Bürkle A., Grune T. (2017)**
Associations between specific redox biomarkers and age in a large European cohort: the MARK-AGE Project.
Oxid. Med. Cell. Longev., **2017**, art. ID 1401452, 1-12
169. **Wesołowska A., Piwocka K. (2017)**
Egzosomalne mikroRNA jako element komunikacji międzykomórkowej w nowotworach.
Post. Bioch., **63**, 110-118
170. **Wierzbicka A., Kordecka K., Żygierewicz J., Waleszczyk W. (2017)**
Analytical approaches to estimation of temporal frequency preference from visual evoked potentials.
In: Photonics applications in astronomy, communications, industry, and high energy physics experiments. Ed. by Romaniuk R., Linczuk M., Bellingham, Washington : SPIE, doi: 10.1117/12.2281039 (Proceedings of SPIE, **10445**), 104453W-1 – 1044501-25
171. **Wilson D.A., Kondrakiewicz K., Barnes D.C. (2017)**
Sleep and odor memory consolidation in non-human animal models.
In: Cognitive neuroscience of memory consolidation. Ed. by Axmacher N., Rasch B., Cham : Springer Int. Publ., (Studies in Neuroscience, Psychology and Behavioral Economics), 87-103

172. **Włoga D., Joachimiak E., Fabczak H. (2017)**
Tubulin post-translational modifications and microtubule dynamics.
Int. J. Mol. Sci., **18**, art. no. E2207, 1-18
173. **Włoga D., Joachimiak E., Louka P., Gaertig J. (2017)**
Posttranslational modifications of tubulin and cilia
Cold Spring Harb. Perspect. Biol., **9**, art. no. a028159, 1-14
174. **Wnuk A., Dębski K.J., Kozak M. (2017)**
CI thermometer: visualizing confidence intervals in correlation analysis.
IEEE Comput. Graph. Appl., **37**, art. no 8103314, 103-108
175. **Wojsiat J., Korczyński J., Borowiecka M., Żbikowska H.M. (2017)**
Udział stresu oksydacyjnego w niepłodności żeńskiej oraz w zapłodnieniu metodą in vitro.
Post. Hig. Med. Dośw., **71**, s. 359-366
176. **Wojsiat J., Laskowska-Kaszub K., Alquézar C., Białopiotrowicz E., Esteras N., Zdioruk M., Martin-Requero A., Wojda U. (2017)**
Familial Alzheimer's disease lymphocytes respond differently than sporadic cells to oxidative stress: upregulated p53-p21 signaling linked with Presenilin 1 mutants.
Mol. Neurobiol., **54**, 5683-5698
177. **Wojsiat J., Laskowska-Kaszub K., Mietelska-Porowska A., Wojda U. (2017)**
Search for Alzheimer's disease biomarkers in blood cells: hypotheses-driven approach.
Biomark. Med., **11**, 917-931
178. **Wojtala A., Karkucińska-Więckowska A., Sardao V.A., Szczepanowska J., Kowalski P., Pronicki M., Duszyński J., Więckowski M.R. (2017)**
Modulation of mitochondrial dysfunction-related oxidative stress in fibroblasts of patients with Leigh syndrome by inhibition of prooxidative p66Shc pathway.
Mitochondrion, **37**, 62-79
179. **Wojtaś B., Pfeifer A., Oczko-Wojciechowska M., Krajewska J., Czarniecka A., Kukulska A., Eszlinger M., Musholt T., Stokowy T., Świerniak M., Stobiecka E., Chmielik E., Rusinek D., Tyszkiewicz T., Halczok M., Hauptmann S., Lange D., Jarzqb M., Paschke R., Jarzqb B. (2017)**
Gene expression (mRNA) markers for differentiating between malignant and benign follicular thyroid tumours.
Int. J. Mol. Sci., **18**, art. no. 1184, 1-19
180. **Wolczyk M., Podrzywałow-Bartnicka P., Bugajski Ł., Piwocka K. (2017)**
Stress granules assembly affects detection of mRNA in living cells by the NanoFlares; an important aspect of the technology.
Biochim. Biophys. Acta-Gen. Subj., **1861**, 1024-1035

- 181. Zadrożny M., Steczkowska M., Wysocka A. (2017)**
Interakcja białka tau z receptorem muskarynowym: znaczenie w rozwoju zespołów otępiennych typu tauopatii.
W: Diagnostyka, profilaktyka, leczenie - najnowsze doniesienia. Red. Szklarczyk M., Bajek E., Lublin: Wydawnictwo Naukowe TYGIEL, t.2, 106-125
- 182. Zajkowski W.K., Kossut M., Wilson R.C. (2017)**
A causal role for right frontopolar cortex in directed, but not random, exploration.
eLife, **6**, art. no. e27430, 1-18
- 183. Zakrzewski P., Lenartowski R., Rędownicz M.J., Miller K.G., Lenartowska M. (2017)**
Expression and localization of myosin VI in developing mouse spermatids.
Histochem. Cell Biol., **148**, 445-462
- 184. Zglobicka I., Chlanda A., Woźniak M., Łojkowski M., Szoszkiewicz R., Mazurkiewicz-Pawlicka M., Świążkowski W., Wyroba E., Kurzydłowski K.J. (2017)**
Microstructure and nanomechanical properties of single stalks from diatom *Didymosphenia geminata* and their change due to adsorption of selected metal ions.
J. Phycol., **53**, 880-888
- 185. Zmysłowski W., Cabaj A.M., Sławińska U. (2017)**
Treatment with riluzole restores normal control of soleus and extensor digitorum longus muscles during locomotion in adult rats after sciatic nerve crush at birth.
PLoS One, **12**, art. no. e0170235, 1-28