

# SPIS PUBLIKACJI

# 2022

Opracowała:  
**Maja Brzozowska**

Warszawa 2023

# SPIS PUBLIKACJI

## INSTYTUTU BIOLOGII DOŚWIADCZALNEJ

### im. M. NENCKIEGO PAN

### ZA ROK 2022<sup>1</sup>

---

1. Abrams M.B., Bjaalie J.G., Das S., Egan G.F., Ghosh S.S., Goscinski W.J., Grethe J.S., Kortaleski J.H., Ho E.T.W., Kennedy D.N., Lanyon L.J., Leergaard T.B., Mayberg H.S., Milanesi L., Mouček R., Poline J.B., Roy P.K., Strother S.C., Tang T.B., Tiesinga P., Wachtler T., **Wójcik D.K.**, Martone M.E. (2022)  
A standards organization for open and FAIR neuroscience: The International Neuroinformatics Coordinating Facility.  
*Neuroinformatics*, 20, 25-36.  
doi: 10.1007/s12021-020-09509-0
2. Amirtharaj F., Venkatesh G.H., **Wojtaś B.**, Nawafleh H.H., Mahmood A.S., Nizami Z.N., Khan M.S., Thiery J., Chouaib S. (2022)  
p53 reactivating small molecule PRIMA-1 MET/APR-246 regulates genomic instability in MDA-MB-231 cells.  
*Oncology Reports*, 47, art. no. 85, 1-9.  
doi: 10.3892/or.2022.8296
3. Amorim R., **Simões I.C.M.**, Teixeira J., Cagide F., **Potes Y.**, Soares P., Carvalho A., Tavares L.C., Benfeito S., Pereira S.P., Simões R.F., Karkucińska-Więckowska A., Viegas I., Szymańska S., **Dąbrowski M.**, **Janikiewicz J.**, Cunha-Oliveira T., **Dobrzyń A.**, Jones J.G., Borges F., **Więckowski M.R.**, Oliveira P.J. (2022)  
Mitochondria-targeted anti-oxidant AntiOxCIN<sub>4</sub> improved liver steatosis in Western diet-fed mice by preventing lipid accumulation due to upregulation of fatty acid oxidation, quality control mechanism and antioxidant defense systems.  
*Redox Biology*, 55, art. no. 102400, 1-17.  
doi: 10.1016/j.redox.2022.102400
4. Arcab P., Mirecki B., **Stefaniuk M.**, **Pawłowska M.**, Trusiak M. (2022)  
Experimental optimization of lensless digital holographic microscopy with rotating diffuser-based coherent noise reduction.  
*Optics Express*, 30, art. no. 470860, 42810-42828.  
doi: 10.1364/OE.470860
5. Baczevska M., Stępień P., Mazur M., Krauze W., **Nowak N.**, **Szymański J.**, Kujawińska M. (2022)  
Method to analyze effects of low-level laser therapy on biological cells with a digital holographic microscope.  
*Applied Optics*, 61, B297-B306.  
doi: 10.1364/AO.445337

---

<sup>1</sup> Podgrubioną czcionką wyróżnione nazwiska autorów podających afiliację IBD. Podkreślono nazwiska, w których autor podaje też drugą afiliację.

6. Bakola S., Burman K.J., **Bednarek S.**, Chan J.M., Jermakow N., Worthy K.H., **Majka P.**, Rosa M.G.P. (2022)  
Afferent connections of cytoarchitectural area 6M and surrounding cortex in the marmoset: putative homologues of the supplementary and pre-supplementary motor areas.  
*Cerebral Cortex*, 32, 41-62.  
doi: 10.1093/cercor/bhab193
7. **Banach E., Jaworski T., Urban-Ciećko J.** (2022)  
Early synaptic deficits in GSK-3 $\beta$  overexpressing mice.  
*Neuroscience Letters*, 784, art. no. 136744, 1-8.  
doi: 10.1016/j.neulet.2022.136744
8. **Banach E., Szczepankiewicz A., Kaczmarek L., Jaworski T., Urban-Ciećko J.** (2022)  
Dysregulation of miRNAs levels in glycogen synthase kinase-3 $\beta$  overexpressing mice and the role of miR-221-5p in synaptic function.  
*Neuroscience*, 490, 287-295.  
doi: 10.1016/j.neuroscience.2022.03.024
9. **Barańska J.** (2022)  
Wspomnienie o profesorze Stefanie Angielskim, współtwórcy szczególnych związków między Polskim a Ukraińskim Towarzystwami Biochemicznymi.  
*Postępy Biochemii*, 68, 219-221.  
doi: 10.18388/pb.2021\_452
10. **Bartkowska K., Tepper B., Turlejski K., Djavadian R.** (2022)  
Postnatal and adult neurogenesis in mammals, including marsupials.  
*Cells*, 11, art. no. 2735, 1-20.  
doi: 10.3390/cells11172735
11. **Bednarski T.K., Duda M.K., Dobrzyń P.** (2022)  
Alterations of lipid metabolism in the heart in spontaneously hypertensive rats precedes left ventricular hypertrophy and cardiac dysfunction.  
*Cells*, 11, art. no. 3032, s. 1-18.  
doi: 10.3390/cells11193032
12. Berdyński M., **Ludwiczak J.**, Barczak A., Barcikowska-Kotowicz M., Kuźma-Kozakiewicz M., Dunin-Horkawicz S., Źekanowski C., Borzemski B. (2022)  
*TREM2* gene compound heterozygosity in neurodegenerative disorders.  
*Journal of Alzheimers Disease*, 89, 1211-1219.  
doi: 10.3233/JAD-220210
13. **Bicka M., Joachimiak E., Urbańska P., Osinka A., Konopka A., Bulska E., Włoga D.** (2022)  
Cfap91-dependent stability of the RS2 and RS3 base proteins and adjacent inner dynein arms in *Tetrahymena Cilia*.  
*Cells*, 11, art. no. 4048, 1-22.  
doi: 10.3390/cells11244048

14. **Bijata M., Bączyńska E.**, Müller F.E., **Bijata K., Masternak J., Krzystyniak A.**, Szewczyk B., Siwiec M., **Antoniuk S., Roszkowska M., Figiel I., Magnowska M.**, Olszyński K.H., Wardak A.D., Hogendorf A., **Ruszczyczyk B.**, Gorinski N., Labus J., Stępień T., Tarka S., Bojarski A.J., Tokarski K., Filipkowski R.K., Ponimaskin E., **Włodarczyk J.** (2022)  
Activation of the 5-HT7 receptor and MMP-9 signaling module in the hippocampal CA1 region is necessary for the development of depressive-like behawior.  
*Cell Reports*, 38, art. no. 110532, 1-22.  
doi: 10.1016/j.celrep.2022.110532
15. **Bijata M., Bączyńska E., Włodarczyk J.** (2022)  
A chronic unpredictable stress protocol to model anhedonic and resilient behaviors in C57BL/6J mice.  
*STAR protocols*, 3, art. no. 101659, 1-13.  
doi: 10.1016/j.xpro.2022.101659
16. Bilska B., **Godlewska U.**, Damulewicz M., Murzyn K., Kwitniewski M., Cichy J., Pyza E. (2022)  
Antimicrobial properties of a peptide derived from the male fertility factor kl2 protein of *Drosophila melanogaster*.  
*Current Issues in Molecular Biology*, 44, 1169-1181.  
doi: 10.3390/cimb44030076
17. Bilska-Kos A., Pietrusińska A., **Suski S.**, Niedziela A., Linkiewicz A.M., Majtkowski W., Żurek G., Źebrowski J. (2022)  
Cell wall properties determine genotype-specific response to cold in *Miscanthus × giganteus* plants.  
*Cells*, 11, art. no. 547, 1-19.  
doi: 10.3390/cells11030547
18. Bińkowski J., Taryma-Leśniak O., Łuczkowska K., Niedzwiedź A., Lechowicz K., Strapagiel D., **Iarczak J.**, Davalos V., Pujol A., Esteller M., Kotfis K., Machaliński B., Parczewski M., Wojdacz T.K. (2022)  
Epigenetic activation of antiviral sensors and effectors of interferon response pathways during SARS-CoV-2 infection.  
*Biomedicine & Pharmacotherapy*, 153, art. no. 113396, 1-13.  
doi: 10.1016/j.biopha.2022.113396
19. Bober B., Saracyn M., Zaręba K., Lubas A., **Mazurkiewicz P.**, Wilińska E., Kamiński G. (2022)  
Early complications of radioisotope therapy with Lutetium-177 and Yttrium-90 in patients with neuroendocrine neoplasms - a preliminary study.  
*Journal of Clinical Medicine*, 11, art. no. 919, 1-17.  
doi: 10.3390/jcm11040919
20. **Borys F.**, Tobiasz P., Sobel J., Krawczyk H. (2022)  
Synthesis and study of dibenzo[*b,f*]oxepine combined with fluoroazobenzenes-new photoswitches for application in biological systems.  
*Molecules*, 27, art. no. 5836, 1-20.  
doi: 10.3390/molecules27185836

21. Bouhamida E., Morciano G., Perrone M., Kahsay A.E., Della Sala M., **Więckowski M.R.**, Fiorica F., Pinton P., Giorgi C., Paterniani S. (2022)  
The interplay of hypoxia signaling on mitochondrial dysfunction and inflammation in cardiovascular diseases and cancer: from molecular mechanisms to therapeutic approaches.  
*Biology*, 11, art. no. 300, 1-32.  
doi: 10.3390/biology11020300
22. Bryła A., Zagkle E., Sadowska E.T., Cichoń M., **Bauchinger U.F.** (2022)  
Measurements of body temperature and oxidative stress reveal differential costs associated with humoral immune function in a passerine bird.  
*Journal of Experimental Biology*, 225, art. no. jeb244897, 1-9.  
doi: 10.1242/jeb.244897
23. Budniak U.A., **Karolak N.K.**, Kulik M., Mlynarczyk K., Górná M.W., Dominiak P.M. (2022)  
The role of electrostatic interactions in IFIT5-RNA complexes predicted by the UBDB+EPMM method.  
*Journal of Physical Chemistry B*, 126, 9152-9167.  
doi: 10.1021/acs.jpcb.2c04519
24. **Bulanda E., Wypych T.P.** (2022)  
Bypassing the gut-lung axis *via* microbial metabolites: implications for chronic respiratory diseases.  
*Frontiers in Microbiology*, 13, art. no. 857418, 1-9.  
doi: 10.3389/fmicb.2022.857418
25. **Buta A.**, Nazaruk E., Dziubak D., **Szewczyk A.**, Bilewicz R. (2022)  
Properties of electrode-supported lipid cubic mesophase films with embedded gramicidin A: structure and ion-transport studies.  
*Bioelectrochemistry*, 144, art. no. 108042, 1-9.  
doi: 10.1016/j.bioelechem.2021.108042
26. **Cabaj A.**, Moszyńska A., **Charzyńska A.**, Bartoszewski R., **Dąbrowski M.** (2022)  
Functional and HRE motifs count analysis of induction of selected hypoxia-responsive genes by HIF-1 and HIF-2 in human umbilical endothelial cells.  
*Cellular Signalling*, 90, art. no. 110209, 1-13.  
doi: 10.1016/j.cellsig.2021.110209
27. Carnero-Contentti E., Rojas J.I., Criniti J., Lopez P.A., Daccach-Marques V., de Castillo I.S., Tkachuk V., Marrodan M., Correale J., Farez M.F., Kim H.J., Hyun J.-W., Messina S., Mariano R., Rocca M.A., Cacciaguerra L., Filippi M., Palace J., **Juryńczyk M.** (2022)  
Towards imaging criteria that best differentiate MS from NMOSD and MOGAD: Large multi-ethnic population and different clinical scenarios.  
*Multiple Sclerosis and Related Disorders*, 61, art. no. 103778, 1-7.  
doi: 10.1016/j.msard.2022.103778
28. Choque-Velasquez J., Colasanti R., Kozyrev D., **Baluszek S.**, Muhammad S., Hernesniemi J. (2022)  
Pineal Region Tumors in Pediatric Patients.  
W: G. Alexiou, N. Prodromou (eds.), *Pediatric Neurosurgery for Clinicians* (345-369).  
Cham: Springer.\*  
doi: 10.1007/978-3-030-80522-7\_23

29. Chowdhury N.H., Reaz M.B.I., Ali S.H.M., Ahmad S., Crespo M.L., Cicuttin A., **Haque F.**, Bakar A.A.A., Bhuiyan M.A.S. (2022)  
Nomogram-based Chronic Kidney Disease prediction model for type 1 diabetes mellitus patients using routine pathological data.  
*Journal of Personalized Medicine*, 12, art. no. 1507, 1-15.  
doi: 10.3390/jpm12091507
30. Ciemiński K., Flis D.J., Dzik K.P., Kaczor J.J., **Więckowski M.R.**, Antosiewicz J., Ziółkowski W. (2022)  
Swim training affects on muscle lactate metabolism, nicotinamide adenine dinucleotides concentration, and the activity of NADH shuttle enzymes in a mouse model of amyotrophic lateral sclerosis.  
*International Journal of Molecular Sciences*, 23, art. no. 11504, 1-17.  
doi: 10.3390/ijms231911504
31. **Ciesielska A., Krawczyk M., Sas-Nowosielska H., Hromada-Judycka A., Kwiatkowska K.** (2022)  
CD14 recycling modulates LPS-induced inflammatory responses of murine macrophages.  
*Traffic*, 23, 310-330.  
doi: 10.1111/tra.12842
32. Coughlan K., Sadowska E.T., **Bauchinger U.** (2022)  
Declining haematocrit with increasing age in a population of male zebra finches *Taeniopygia guttata*.  
*Journal of Avian Biology*, 2022, art. no. e02921, 1-10.  
doi: 10.1111/jav.02921
33. Cygan H.B., **Nowicka M.M., Nowicka A.** (2022)  
Impaired attentional bias toward one's own face in autism spectrum disorder: ERP evidence.  
*Autism Research*, 15, 241-253.  
doi: 10.1002/aur.2647
34. **Czarnecka-Herok J., Śliwińska M.A., Herok M., Targońska A., Strzeszewska-Potyrała A., Bojko A., Wolny A., Mosieniak G., Sikora E.** (2022)  
Therapy-induced senescent/polyplloid cancer cells undergo atypical divisions associated with altered expression of meiosis, spermatogenesis and EMT genes.  
*International Journal of Molecular Sciences*, 23, art. no. 8288, 1-16.  
doi: 10.3390/ijms23158288
35. Ćwilichowska N., Świderska K.W., **Dobrzyń A.**, Drąg M., Poręba M. (2022)  
Diagnostic and therapeutic potential of protease inhibition.  
*Molecular Aspects of Medicine*, 88, art. no. 101144, 1-25.  
doi: 10.1016/j.mam.2022.101144

36. Danese A., Patergnani S., Maresca A., Peron C., Raimondi A., Caporali L., Marchi S., La Morgia C., Del Dotto V., Zanna C., Iannielli A., Segnali A., Di Meo I., Cavalieri A., **Lebiedzińska-Arciszewska M., Więckowski M.R.**, Martinuzzi A., Moraes-Filho M.N., Salomao S.R., Berezovsky A., Belfort Jr. R., Buser C., Ross-Cisneros F.N., Sadun A.A., Tacchetti C., Broccoli V., Giorgi C., Tiranti V., Carelli V., Pinton P. (2022)  
 Pathological mitophagy disrupts mitochondrial homeostasis in Leber's hereditary optic neuropathy.  
*Cell Reports*, 40, art. no. 111124, 1-22.  
 doi: 10.1016/j.celrep.2022.111124
37. Darwich C.M.H., Chrzanowski M.M., Bernatowicz P.P., Polańska M.A., **Joachimiak E.**, Bębas P. (2022)  
 Molecular oscillator affects susceptibility of caterpillars to insecticides: studies on the egyptian cotton leaf worm - *Spodoptera littoralis* (Lepidoptera: Noctuidae).  
*Insects*, 13, art. no. 488, 1-29.  
 doi: 10.3390/insects13050488
38. Das N., **Baczyńska E.**, Bijata M., Ruszczycki B., Zeug A., Plewczyński D., Saha P.K., Ponimaskin E., **Włodarczyk J.**, Basu S. (2022)  
 3dSpAn: An interactive software for 3D segmentation and analysis of dendritic spines.  
*Neuroinformatics*, 20, 679-698.  
 doi: 10.1007/s12021-021-09549-0
39. **Dąbrowska M.**, Kępczyńska A., Goździk K., Całka-Kresa M., Skoneczny M., Zieliński Z., Doligalska M., Sikora E. (2022)  
 Novel role of mammalian cell senescence-sustenance of muscle larvae of *Trichinella* spp.  
*Oxidative Medicine and Cellular Longevity*, 2022, art. no. 1799839, 1-13.  
 doi: 10.1155/2022/1799839
40. De Felice E., Gonçalves de Andrade E., Golia M.T., González-Ibáñez F., Khakpour M., Di Castro M.A., Garofalo S., Di Pietro E., Benatti C., Brunello N., Tascedda F., **Kamińska B.**, Limatola C., Ragozzino D., Tremblay M.E., Alboni S., Maggi L. (2022)  
 Microglial diversity along the hippocampal longitudinal axis impacts synaptic plasticity in adult male mice under homeostatic conditions.  
*Journal of Neuroinflammation*, 19, art. no. 292, 1-23.  
 doi: 10.1186/s12974-022-02655-z
41. **Dehingia B.**, Milewska M., Janowski M., Pękowska A. (2022)  
 CTCF shapes chromatin structure and gene expression in health and disease.  
*EMBO Reports*, 23, art. no. e55146, 1-22.  
 doi: 10.15252/embr.202255146
42. **Dębska A.**, **Łuniewska M.**, Zubek J., Chyl K., **Dynak A.**, Dzięgiel-Fivet G., Plewko J., Jednoróg K., Grabowska A. (2022)  
 The cognitive basis of dyslexia in school-aged children: A multiple case study in a transparent orthography.  
*Developmental Science*, 25, art. no. e13173, 1-13.  
 doi: 10.1111/desc.13173

43. **Dobrzański G., Łukomska A., Zakrzewska R., Posłuszny A., Kanigowski D., Urban-Ciećko J., Liguz-Lęcznar M., Kossut M.** (2022)  
Learning-induced plasticity in the barrel cortex is disrupted by inhibition of layer 4 somatostatin-containing interneurons.  
*Biochimica et Biophysica Acta-Molecular Cell Research*, 1869, art. no. 119146, 1-16.  
doi: 10.1016/j.bbamcr.2021.119146
44. **Dobrzański G., Zakrzewska R., Kossut M., Liguz-Lęcznar M.** (2022)  
Impact of somatostatin interneurons on interactions between barrels in plasticity induced by whisker deprivation.  
*Scientific Reports*, 12, art. no. 17992, 1-12.  
doi: 10.1038/s41598-022-22801-0
45. **Doleżyczek H., Kasprzycki P., Włodarczyk J., Wojtkowski M., Malinowska M.** (2022)  
Optical coherence tomography reveals heterogeneity of the brain tissue and vasculature in the ischemic region after photothrombotic stroke in mice.  
*Acta Neurobiologiae Experimentalis*, 82, 106-119.  
doi: 10.55782/ane-2022-010
46. **Doradzińska Ł., Furtak M., Bola M.** (2022)  
Perception of semantic relations in scenes: A registered report study of attention hold.  
*Consciousness and Cognition*, 100, art. no. 103315, 1-12.  
doi: 10.1016/j.concog.2022.103315
47. Doss S.V., Barbat-Artigas S., Lopes M., **Pradhan B.S., Prószyński T.J.**, Robitaille R., Valdez G. (2022)  
Expression and roles of Lynx1, a modulator of cholinergic transmission, in skeletal muscles and neuromuscular junctions in mice.  
*Frontiers in Cell and Developmental Biology*, 10, art. no. 838612, 1-16.  
doi: 10.3389/fcell.2022.838612
48. Draps M., Adamus S., **Wierzba M.**, Gola M. (2022)  
Functional connectivity in compulsive sexual behavior disorder - systematic review of literature and study on heterosexual males.  
*Journal of Sexual Medicine*, 19, 1463-1471.  
doi: 10.1016/j.jsxm.2022.05.146
49. **Dudka W., Hoser G., Mondal S.S., Turos-Korgul L., Swatler J., Kusio-Kobiałka M., Wołczyk M., Klejman A., Brewińska-Olchowik M., Kominek A., Wiech M., Machnicki M.M., Seferyńska I., Stokłosa T., Piwocka K.** (2022)  
Targeting integrated stress response with ISRib combined with imatinib treatment attenuates RAS/RAF/MAPK and STAT5 signaling and eradicates chronic myeloid leukemia cells.  
*BMC Cancer*, 22, art. no. 1254, 1-17.  
doi: 10.1186/s12885-022-10289-w
50. **Dudkowska M., Janiszewska D., Karpa A., Broczek K., Dąbrowski M., Sikora E.** (2022)  
Czy praca zawodowa w wieku emerytalnym wpływa na starzenie organizmu?  
*Gerontologia Polska*, 30, 89-100.

51. **Duński E., Pękowska A.** (2022)  
Keeping the balance: Trade-offs between human brain evolution, autism and schizophrenia.  
*Frontiers in Genetics*, 13, art. no. 1009390, 1-14.  
doi: 10.3389/fgene.2022.1009390
52. **Duszyński J.** (2022)  
Chapter 6 - The COVID-19 Epidemic in Poland, as of Summer 2021.  
W: M. Kossowska, N. Letki, T. Zaleśkiewicz, S. Wichary (eds.), *Human Behaviour in Pandemics : Social and Psychological Determinants in a Global Health Crisis* (153-160). London: Routledge.  
doi: 10.4324/9781003254133-9
53. **Duszyński J.** (2022)  
Akademia wczoraj i dziś.  
*Academia*, 1 (69), 12-17.  
doi: 10.24425/academiaPAN.2021.140130
54. **Dzianok P., Antonova I., Wojciechowski J., Dreszer J., Kublik E.** (2022)  
The Nencki-Symfonia electroencephalography/event-related potential dataset: Multiple cognitive tasks and resting-state data collected in a sample of healthy adults.  
*Gigascience*, 11, art. no. giac015, 1-10.  
doi: 10.1093/gigascience/giac015
55. Dziendzikowska K., Wilczak J., Grodzicki W., Gromadzka-Ostrowska J., **Węsierska M.**, Kruszewski M. (2022)  
Coating-dependent neurotoxicity of silver nanoparticles - an in vivo study on hippocampal oxidative stress and neurosteroids.  
*International Journal of Molecular Sciences*, 23, art. no. 1365, 1-20.  
doi: 10.3390/ijms23031365
56. **Ejsmont-Karabin J., Karpowicz M., Feniova I.** (2022)  
Epizoic rotifers and microcrustaceans on bivalves of different size and behavior.  
*Diversity*, 14, art. no. 293, 1-8.  
doi: 10.3390/d14040293
57. **Figiel I., Bączyńska E., Wójtowicz T., Magnowska M., Buszka A., Bijata M., Włodarczyk J.** (2022)  
The cell adhesion protein dystroglycan affects the structural remodeling of dendritic spines.  
*Scientific Reports*, 12, art. no 2506, 1-16.  
doi: 10.1038/s41598-022-06462-7
58. Fraga-González G., **Jednoróg K.**, Brem S. (2022)  
Chapter 9 - Longitudinal Neural Observation Studies of Dyslexia.  
W: M. Skeide (ed.), *The Cambridge Handbook of Dyslexia and Dyscalculia. Cambridge Handbooks in Psychology* (162-182). Cambridge: Cambridge University Press.  
doi: 10.1017/9781108973595.013

59. **Furtak M., Mudrik L., Bola M.** (2022)  
The forest, the trees, or both? Hierarchy and interactions between gist and object processing during perception of real-world scenes.  
*Cognition*, 221, art. no. 104983, 1-7.  
doi: 10.1016/j.cognition.2021.104983
60. **Gan A.-M., Tracz-Gaszewska Z., Ellert-Miklaszewska A., Navrulin V.O., Ntambi J.M., Dobrzyń P.** (2022)  
Stearoyl-CoA desaturase regulates angiogenesis and energy metabolism in ischemic cardiomyocytes.  
*International Journal of Molecular Sciences*, 23, art. no. 10459, 1-19.  
doi: 10.3390/ijms231810459
61. **Ghosh M., Lenkiewicz A.M., Kamińska B.** (2022)  
The interplay of tumor vessels and immune cells affects immunotherapy of glioblastoma.  
*Biomedicines*, 10, art. no. 2292, 1-18.  
doi: 10.3390/biomedicines10092292
62. **Głowacka A., Ji B., Szczepankiewicz A.A., Skup M., Gajewska-Woźniak O.** (2022)  
BDNF spinal overexpression after spinal cord injury partially protects soleus neuromuscular junction from disintegration, increasing VACHT and AChE transcripts in soleus but not tibialis anterior motoneurons.  
*Biomedicines*, 10, art. no. 2851, 1-27.  
doi: 10.3390/biomedicines10112851
63. **Głowacka A., Kilańczyk E., Maksymowicz M., Zawadzka M., Leśniak W., Filipek A.** (2022)  
RNA-seq transcriptome analysis of differentiated human oligodendrocytic MO3.13 cells shows upregulation of genes involved in myogenesis.  
*International Journal of Molecular Sciences*, 23, art. no. 5969, 1-14.  
doi: 10.3390/ijms23115969
64. **Głuchowska A., Cysewski D., Baj-Krzyworzeka M., Szatanek R., Węglarczyk K., Podszwałowa-Bartnicka P., Sunderland P., Kozłowska E., Śliwińska M.A., Dąbrowski M., Sikora E., Mosieniak G.** (2022)  
Unbiased proteomic analysis of extracellular vesicles secreted by senescent human vascular smooth muscle cells reveals their ability to modulate immune cell functions.  
*GeroScience*, 44, 2863-2884.  
doi: 10.1007/s11357-022-00625-0
65. **Godlewska U., Bulanda E., Wypych T.P.** (2022)  
Bile acids in immunity: Bidirectional mediators between the host and the microbiota.  
*Frontiers in Immunology*, 13, art. no. 949033, 1-8.  
doi: 10.3389/fimmu.2022.949033
66. **Godzińska E.J.** (2022)  
Czego możemy nauczyć się od zwierząt?  
[Tygodnik online] *Wszystko Co Najważniejsze*, 444, 19-24.09.2022 [1-8].  
<https://wszystkoconajwazniejsze.pl/prof-ewa-j-godzinska-czego-mozemy-nauczyc-sie-od-zwierzat/> [dostęp 15.02.2023]

67. **Godzińska E.J., Szczuka A., Korczyńska J.** (2022)  
Zachowania ratunkowe i opieka sanitarna u mrówek.  
*Kosmos*, 72, 279-296.  
doi: 10.36921/kos.2022\_2908
68. Goettsch C., **Strzelecka-Kiliszek A.**, Bessueille L., Quillard T., Mechtauff L., **Pikuła S.**, Canet-Soulas E., Luis, M.J., Fonta C., Magne D. (2022)  
TNAP as a therapeutic target for cardiovascular calcification - a discussion of its pleiotropic functions in the body.  
*Cardiovascular Research*, 118, 84-96.  
doi: 10.1093/cvr/cvaa299
69. Golec-Stałkiewicz K., Pluta A., **Wojciechowski J.**, Okruszek Ł., Haman M., Wysocka J., Wolak T. (2022)  
Does the TPJ fit it all? Representational similarity analysis of different forms of mentalizing.  
*Social Neuroscience*, 17, 428-440.  
doi: 10.1080/17470919.2022.2138536
70. **Goncerzewicz A., Górkiewicz T., Dzik J.M., Jędrzejewska-Szmek J., Knapska E.**, Konarzewski M. (2022)  
Brain size, gut size and cognitive abilities: the energy trade-offs tested in artificial selection experiment.  
*Proceedings of The Royal Society B-Biological Sciences*, 289, art. no. 20212747, 1-9.  
doi: 10.1098/rspb.2021.2747
71. **Gorlewicki A.** Barthet G., Zucca S., Vincent P., Griguoli M., Grosjean N., **Wilczyński G.**, Mulle C. (2022)  
The deletion of GluK2 alters cholinergic control of neuronal excitability.  
*Cerebral Cortex*, 32, 2907-2923.  
doi: 10.1093/cercor/bhab390
72. **Gorlewicki A., Pijet B., Orlova K., Kaczmarek L., Knapska E.** (2022)  
Epileptiform GluN2B-driven excitation in hippocampus as a therapeutic target against temporal lobe epilepsy.  
*Experimental Neurology*, 354, art. no. 114087, 1-16.  
doi: 10.1016/j.expneurol.2022.114087
73. Gosselin M.R.F., Mournetas V., Borczyk M., Verma S., Occhipinti A., **Róg J., Bożycki Ł.**, Korostyński M., Robson S.C., Angione C., Pinset C., Górecki D.C. (2022)  
Loss of full-length dystrophin expression results in major cell-autonomous abnormalities in proliferating myoblasts.  
*eLife*, 11, art. no. e75521, 1-43.  
doi: 10.7554/eLife.75521
74. Góźdż A., **Wojtaś B.**, Szpak P., **Szadkowska P.**, Czernicki T., Marchel A., Wójtowicz K., Kaspara W., Ładziński P., Szopa W., Niedbała M., Nawrocki S., **Kamińska B.**, Kalaszczynska I. (2022)  
Preservation of the hypoxic transcriptome in glioblastoma patient-derived cell lines maintained at lowered oxygen tension.  
*Cancers*, 14, art. no. 4852, 1-17.  
doi: 10.3390/cancers14194852

75. **Grabowska A., Sas-Nowosielska H., Wojtaś B., Holm-Kaczmarek D., Januszewicz E., Yushkevich Y., Czaban I., Trzaskoma P., Krawczyk K., Gielniewski B., Martin-Gonzalez A., Filipkowski R.K., Olszyński K.H., Bernaś T., Szczepankiewicz A.A., Śliwińska M.A., Kanhema T., Bramham C.R., Bokota G., Plewcyński D., Wilczyński G.M., Magalska A.** (2022)  
Activation-induced chromatin reorganization in neurons depends on HDAC1 activity.  
*Cell Reports*, 38, art. no. 110352, 1-14.  
doi: 10.1016/j.celrep.2022.110352
76. **Grycz K., Głowacka A., Ji B., Krzywdzińska K., Charzyńska A., Czarkowska-Bauch J., Gajewska-Woźniak O., Skup M.** (2022)  
Regulation of perineuronal net components in the synaptic bouton vicinity on lumbar α-motoneurons in the rat after spinalization and locomotor training: New insights from spatio-temporal changes in gene, protein expression and WFA labeling.  
*Experimental Neurology*, 354, art. no. 114098, 1-19.  
doi: 10.1016/j.expneurol.2022.114098
77. Hamelin H., Poizat G., Florian C., Kursa M.B., Pittaras E., Callebert J., Rampon C., Taouis M., **Hamed A.**, Granon S. (2022)  
Prolonged consumption of sweetened beverages lastingly deteriorates cognitive functions and reward processing in mice.  
*Cerebral Cortex*, 32, art. no. bhab274, 1365-1378.  
doi: 10.1093/cercor/bhab274
78. **Herman A.M.** (2022)  
In sync with the heart.  
eLife, 11, art. no. e84298, 1-2.  
doi: 10.7554/eLife.84298
79. **Herman A.M.**, Stanton T.R. (2022)  
Delay and effort-based discounting, and the role of bodily awareness, in people experiencing long-term pain: A cross-sectional study.  
*Journal of Pain*, 23, 487-500.  
doi: 10.1016/j.jpain.2021.10.001
80. **Herman A.M., Zaremba D., Kossowski B., Marchewka A.** (2022)  
The utility of the emBODY tool as a novel method of studying complex phenomena-related emotions.  
*Scientific Reports*, 12, art. no. 19884, 1-10.  
doi: 10.1038/s41598-022-23734-4
81. Islam J., Ahmad S., **Haque F.**, Reaz M.B.I., Bhuiyan M.A.S., Islam R. (2022)  
Application of Min-Max Normalization on Subject-Invariant EMG Pattern Recognition.  
*IEEE Transactions on Instrumentation and Measurement*, 71, art. no. 2521612, 1-12.  
doi: 10.1109/TIM.2022.3220286
82. Jabłońska K., **Stańczyk M., Piotrowska M., Szymaszek A., Łukomska B.**, Bednarek H., **Szeląg E.** (2022)  
Age as a moderator of the relationship between planning and temporal information processing.  
*Scientific Reports*, 12, art. no. 1548, 1-11.  
doi: 10.1038/s41598-022-05316-6

83. Janus P., Kuś P., Vydra N., Toma-Jonik A., Stokowy T., Mrowiec K., **Wojtaś B., Gielniewski B.**, Widłak W. (2022)  
HSF1 can prevent inflammation following heat shock by inhibiting the excessive activation of the *ATF3* and *JUN&FOS* genes.  
*Cells*, 11, art. no. 2510, 1-19.  
doi: 10.3390/cells11162510
84. **Jarmuła A.**, Zubalska M., **Stępkowski D.** (2022)  
Consecutive aromatic residues are required for improved Efficacy of  $\beta$ -sheet breakers.  
*International Journal of Molecular Sciences*, 23, art. no. 5247, 1-19.  
doi: 10.3390/ijms23095247
85. Jaśkiewicz M., Moszyńska A., Króliczewski J., **Cabaj A.**, Bartoszewska S., **Charzyńska A.**, Gebert M., **Dąbrowski M.**, Collawn J.F., Bartoszewska R. (2022)  
The transition from HIF-1 to HIF-2 during prolonged hypoxia results from reactivation of PHDs and *HIF1A* mRNA instability.  
*Cellular & Molecular Biology Letters*, 27, art. no. 109, 1-19.  
doi: 10.1186/s11658-022-00408-7
86. **Jawaid A.** (2022)  
[Correspondence] Invasion of Ukraine: support mental health of children and adolescents.  
*Nature*, 604(7905), 246.  
doi: 10.1038/d41586-022-01007-4
87. **Jawaid A.**, **Gomółka M.**, Timmer A. (2022)  
[Letter] Neuroscience of trauma and the Russian invasion of Ukraine.  
*Nature Human Behaviour*, 6, 748-749.  
doi: 10.1038/s41562-022-01344-4
88. **Ji B., Wojtaś B., Skup M.** (2022)  
Molecular identification of pro-excitogenic receptor and channel phenotypes of the deafferented lumbar motoneurons in the early phase after SCT in rats.  
*International Journal of Molecular Sciences*, 23, art. no. 11133, 1-23.  
doi: 10.3390/ijms231911133
89. **Jurewicz E., Filipiak A.** (2022)  
 $\text{Ca}^{2+}$  - binding proteins of the S100 family in preeclampsia.  
*Placenta*, 127, 43-51.  
doi: 10.1016/j.placenta.2022.07.018
90. **Juryńczyk M., Jakuszyk P.**, Kurkowska-Jastrzębska I., Palace J. (2022)  
Increasing role of imaging in differentiating MS from non-MS and defining indeterminate borderline cases.  
*Neurologia i Neurochirurgia Polska*, 56, 210-219.  
doi: 10.5603/PJNNS.a2021.0077
91. **Juryńczyk M.**, Klimiec-Moskal E., Kong Y., Hurley S., Messina S., Yeo T., Jenkinson M., Leite M.I., Palace J. (2022)  
Elucidating distinct clinico-radiologic signatures in the borderland between neuromyelitis optica and multiple sclerosis.  
*Journal of Neurology*, 269, 269-279.  
doi: 10.1007/s00415-021-10619-1

92. **Kampa R.P.**, Flori L., **Sęk A.**, Spezzini J., Brogi S., **Szewczyk A.**, Calderone V., Bednarczyk P., Testai L. (2022)  
 Luteolin-induced activation of mitochondrial BK<sub>Ca</sub> channels: Undisclosed mechanism of cytoprotection.  
*Antioxidants*, 11, art. no. 1892, 1-20.  
 doi: 10.3390/antiox11101892
93. **Kampa R.P.**, **Gliździńska A.**, **Szewczyk A.**, Bednarczyk P., Filipek S. (2022)  
 Flavonoid quercetin abolish paxilline inhibition of the mitochondrial BK<sub>Ca</sub> channel.  
*Mitochondrion*, 65, 23-32.  
 doi: 10.1016/j.mito.2022.04.005
94. **Karimi S.**, Shahabi F., Mubarak S.M.H., Arjmandi H., Hashemi Z.S., Pourzardosht N., Zakeri A., Mahboobi M., Jahangiri A., Rahbar M.R., Khalili S. (2022)  
 Impact of SNPs, off-targets, and passive permeability on efficacy of BCL6 degrading drugs assigned by virtual screening and 3D-QSAR approach.  
*Scientific Reports*, 12, art. no. 21091, 1-16.  
 doi: 10.1038/s41598-022-25587-3
95. Karkucińska-Więckowska A., **Simões I.C.M.**, Kalinowski P., **Lebiedzińska-Arciszewska M.**, Zieniewicz K., Milkiewicz P., Górska-Ponikowska M., Pinton P., Malik A.N., Krawczyk M., Oliveira P.J., **Więckowski M.R.** (2022)  
 Mitochondria, oxidative stress and nonalcoholic fatty liver disease: A complex relationship.  
*European Journal of Clinical Investigation*, 52, art. no. e13622, 1-19.  
 doi: 10.1111/eci.13622
96. **Karpiński A.A.**, Torres-Elguera J.C., Sanner A., Konopka W., **Kaczmarek L.**, Winter D., Konopka A., Bulska E. (2022)  
 Study on tissue homogenization buffer composition for brain mass spectrometry-based proteomics.  
*Biomedicines*, 10, art. no. 2466, 1-13.  
 doi: 10.3390/biomedicines10102466
97. **Każmierowska A.M.**, **Szczepanik M.**, Wypych M., Droździel D., Marchewka A., Michałowski J.M., Olsson A., **Knapska E.** (2022)  
 Learning about threat from friends and strangers is equally effective: An fMRI study on observational fear conditioning.  
*Neuroimage*, 263, art. no. 119648, 1-13.  
 doi: 10.1016/j.neuroimage.2022.119648
98. Keysers C., **Knapska E.**, Moita M.A., Gazzola V. (2022)  
 Emotional contagion and prosocial behavior in rodents.  
*Trends in Cognitive Sciences*, 26, 688-706.  
 doi: 10.1016/j.tics.2022.05.005
99. Kłak M., Kosowska K., Bryniarski T., Łojszczyk I., Dobrzański T., Tymicki G., Filip A., **Szczepankiewicz A.A.**, Olkowski R., Kosowska A., Berman A., Kamiński A., Wszoła M. (2022)  
 Bioink based on the dECM for 3D bioprinting of bionic tissue, the first results obtained on murine model.  
*Bioprinting*, 28, art. no. e00233, 1-17.  
 doi: 10.1016/j.bprint.2022.e00233

100. Kobzeva K.A., Shilenok I.V., **Belykh A.E.**, Gurtovoy D.E., Bobyleva L.A., Krapiva A.B., Stetskaya T.A., Bykanova M.A., Mezhenskaya A.A., Lysikova E.A., Freidin M.B., Bushueva O.Y. (2022)  
*C9orf16 (BBLN)* gene, encoding a member of Hero proteins, is a novel marker in ischemic stroke risk.  
*Research Results in Biomedicine (Russia)*, 8, 278-292.  
doi: 10.18413/2658-6533-2022-8-3-0-2
101. Kocoń J., Miłkowski P., **Wierzba M.**, Konat B., Klessa K., Janz A., **Riegel M.**, Juszczuk K., Grimaldi D., **Marchewka A.**, Piasecki M. (2022)  
Multilingual and Language-Agnostic Recognition of Emotions, Valence and Arousal in Large-Scale Multi-domain Text Reviews.  
W: Z. Vetulani, P. Paroubek, M. Kubis (eds.), *Human Language Technology. Challenges for Computer Science and Linguistics. Lecture Notes in Computer Science* vol. 13212 (214-231). Cham: Springer.  
doi: 10.1007/978-3-031-05328-3\_14
102. Kokocińska A., Woszczyło M., Sampino S., Dzięcioł M., Zybała M., **Szczuka A.**, **Korczyńska J.**, Rozempolska-Rucińska I. (2022)  
Canine smell preferences - do dogs have their favorite scents?  
*Animals*, 12, art. no. 1488, 1-16.  
doi: 10.3390/ani12121488
103. **Konopko A.**, Litwinienko G. (2022)  
Mutual activation of two radical trapping agents: unusual "Win-Win Synergy" of resveratrol and TEMPO during scavenging of dpph<sup>•</sup> radical in methanol.  
*Journal of Organic Chemistry*, 87, 15530-15538.  
doi: 10.1021/acs.joc.2c02080
104. **Konopko A.**, Litwinienko G. (2022)  
Unexpected role of pH and microenvironment on the antioxidant and synergistic activity of resveratrol in model micellar and liposomal systems.  
*Journal of Organic Chemistry*, 87, 1698-1709.  
doi: 10.1021/acs.joc.1c01801
105. **Kossowski B.**, Kong Y., Klimiec-Moskal E., Emir U., Palace J., **Juryńczyk M.** (2022)  
Relapsing antibody-negative patients with features of neuromyelitis optica spectrum disorders: Differences in N-acetylaspartate level in the cervical spinal cord indicate distinct underlying processes.  
*Multiple Sclerosis*, 28, 2221-2230.  
doi: 10.1177/13524585221115304
106. **Kossut M.** (2022)  
Anatomia funkcjonalna mózgu.  
W: J. Rybakowski (red.), *Psychofarmakologia kliniczna* (21-38). Warszawa: PZWL.  
doi: 10.53271/2022.048
107. Kowalski J., **Wypych M.**, **Marchewka A.**, Dragan M. (2022)  
Brain structural correlates of cognitive-attentional syndrome - a Voxel-Based Morphometry Study.  
*Brain Imaging and Behavior*, 16, 1914-1918.  
doi: 10.1007/s11682-022-00649-2

108. Krzystyniak A., Węsierska M., Petrazzo G., Gadecka A., Dudkowska M., Bielak-Żmijewska A., Mosieniak G., Figiel I., Włodarczyk J., Sikora E. (2022)  
 Combination of dasatinib and quercetin improves cognitive abilities in aged male Wistar rats, alleviates inflammation and changes hippocampal synaptic plasticity and histone H3 methylation profile.  
*Aging*, 14, 572-595.  
 doi: 10.18632/aging.203835
109. Kubiszewski-Jakubiak S., Worch R. (2022)  
 Unique properties of *Coronaviridae* single-pass transmembrane domain regions as an adaptation to diverse membrane systems.  
*Virology*, 570, 1-8.  
 doi: 10.1016/j.virol.2022.03.002
110. Kulawiak B., Szewczyk A. (2022)  
 Current challenges of mitochondrial potassium channel research.  
*Frontiers in Physiology*, 13, art. no. 907015, 1-11.  
 doi: 10.3389/fphys.2022.907015
111. Kumar G.D., Banasiewicz M., Wrzosek A., Kampa R.P., Bousquet M.H.E., Kusy D., Jacquemin D., Szewczyk A., Gryko D.T. (2022)  
 Probing the flux of mitochondrial potassium using an azacrown-diketopyrrolopyrrole based highly sensitive probe.  
*Chemical Communications*. 58, 4500-4503.  
 doi: 10.1039/d2cc00324d
112. Kumar G.D., Banasiewicz M., Wrzosek A., O'Mari O., Żochowska M., Vullev V.I., Jacquemin D., Szewczyk A., Gryko D.T. (2022)  
 A sensitive zinc probe operating via enhancement of excited-state intramolecular charge transfer.  
*Organic and Biomolecular Chemistry*, 20, 7439-7447.  
 doi: 10.1039/d2ob01296k
113. Kuratko D., Lacik J., Koudelka V., Vejmola C., Wójcik D.K., Raida Z. (2022)  
 Forward model of rat electroencephalogram: Comparative study of numerical simulations with measurements on rat head phantoms.  
*IEEE Access*, 10, 92023-92035.  
 doi: 10.1109/ACCESS.2022.3202206
114. Kuźniewska B., Rejmak K., Nowacka A., Ziółkowska M., Miłek J., Magnowska M., Gruchota J., Gewartowska O., Borsuk E., Salamian A., Dziembowski A., Radwańska K., Dziembowska M. (2022)  
 Disrupting interaction between miR-132 and *Mmp9* 3'UTR improves synaptic plasticity and memory in mice.  
*Frontiers in Molecular Neuroscience*, 15, art. no. 924534, 1-16.  
 doi: 10.3389/fnmol.2022.924534
115. Lacik J., Koudelka V., Vejmola C., Kuratko D., Vanek J., Wójcik D.K., Palenicek T., Raida Z. (2022)  
 Anisotropic conductivity of rat head phantom and its influence on electroencephalogram source localization.  
*IEEE Access*, 10, 9877-9888.  
 doi: 10.1109/ACCESS.2022.3143952

116. Latoszek E., Wiweger M., **Ludwiczak J.**, Dunin-Horkawicz S., Kuźnicki J., Czeredys M. (2022)  
Siah-1-interacting protein regulates mutated huntingtin protein aggregation in Huntington's disease models.  
*Cell & Bioscience*, 12, art. no. 34, 1-21.  
doi: 10.1186/s13578-022-00755-0
117. **Le B.V., Podsywałow-Bartnicka P., Piwocka K.**, Skorski T. (2022)  
Pre-existing and acquired resistance to PARP inhibitor-induced synthetic lethality.  
*Cancers*, 14, art. no. 5795, 1-19.  
doi: 10.3390/cancers14235795
118. **Lehka L., Wojton D., Topolewska M., Chumak V.**, Majewski Ł., **Rędowicz M.J.** (2022)  
Loss of unconventional myosin VI affects cAMP/PKA signaling in hindlimb skeletal muscle in an age-dependent manner.  
*Frontiers in Physiology*, 13, art. no. 933963, 1-15.  
doi: 10.3389/fphys.2022.933963
119. **Lenkiewicz A.M., Krakowczyk M., Brągoszewski P.** (2022)  
Cytosolic quality control of mitochondrial protein precursors - the early stages of the organelle biogenesis.  
*International Journal of Molecular Sciences*, 23, art. no. 7, 1-27.  
doi: 10.3390/ijms23010007
120. **Leśniak W., Filipek A.** (2022)  
S100A6 as a constituent and potential marker of adult and cancer stem cells.  
*Stem Cell Reviews and Reports*, 18, 2699-2708.  
doi: 10.1007/s12015-022-10403-2
121. Lewandowska P., Jakubowska N., Hryniiewicz N., Prusinowski R., **Kossowski B.**, Brzezicka A., Kowalczyk-Grębska N. (2022)  
Association between real-time strategy video game learning outcomes and pre-training brain white matter structure: preliminary study.  
*Scientific Reports*, 12, art. no. 20741, 1-11.  
doi: 10.1038/s41598-022-25099-0
122. Lewczuk K., Wizła M., **Glica A.**, Potenza M.N., Lew-Starowicz M., Kraus S.W. (2022)  
Withdrawal and tolerance as related to compulsive sexual behavior disorder and problematic pornography use - Preregistered study based on a nationally representative sample in Poland.  
*Journal of Behavioral Addictions*, 11, 979-993.  
doi: 10.1556/2006.2022.00076
123. **Liguz-Lęcznar M., Dobrzański G., Kossut M.** (2022)  
Somatostatin and somatostatin-containing interneurons - from plasticity to pathology.  
*Biomolecules*, 12, art. no. 312, 1-17.  
doi: 10.3390/biom12020312
124. Liu J., Erenpreisa J., **Sikora E.** (2022)  
Polyploid giant cancer cells: An emerging new field of cancer biology.  
*Seminars in Cancer Biology*, 81, 1-4.  
doi: 10.1016/j.semcan.2021.10.006

125. **Loza-Valdes A., El-Merahbi R., Kassouf T., Demczuk A.,** Reuter S., Trujillo-Viera J., Karwen T., Noh M., Löffler M.C., Romero-Becerra R., Torres J.L., Marcos M., Sabio G., **Wojda U., Sumara G.** (2022)  
 Targeting ERK3/MK5 complex for treatment of obesity and diabetes.  
*Biochemical and Biophysical Research Communications*, 612, 119-125.  
 doi: 10.1016/j.bbrc.2022.04.070
126. Łuczkowska K., Taryma-Leśniak O., Bińkowski J., Sokołowska K.E., Strapagiel D., **Jarczak J., Paczkowska E., Machaliński B., Wojdacz T.K.** (2022)  
 Long-term treatment with bortezomib induces specific methylation changes in differentiated neuronal cells.  
*Cancers*, 14, art. no. 3402, 1-13.  
 doi: 10.3390/cancers14143402
127. **Łuniewska M., Wójcik M., Jednoróg K.** (2022)  
 The effect of inter-letter spacing on reading performance and eye movements in typically reading and dyslexic children.  
*Learning and Instruction*, 80, art. no. 101576, 1-13.  
 doi: 10.1016/j.learninstruc.2021.101576
128. Małachowska B., **Janikiewicz J., Pietrowska K., Wyka K., Madzio J., Wypyszczak K., Tkaczyk M., Chrul S., Zwiech R., Hogendorf A., Małecki M.T., Borowiec M., Krętowski A., Mlynarski W., Dobrzym A., Ciborowski M., Fendler W.** (2022)  
 Elevated level of lysophosphatidic acid among patients with HNF1B mutations and its role in RCAD syndrome: a multiomic study.  
*Metabolomics*, 18, art. no. 15, 1-12.  
 doi: 10.1007/s11306-022-01873-z
129. Markevych I., Orlov N., Grellier J., Kaczmarek-Majer K., Lipowska M., Sitnik-Warchulska K., Mysak Y., Baumbach C., Wierzba-Łukaszyk M., Soomro M.H., Compa M., Izidorczyk B., Skotak K., Degórska A., Bratkowski J., **Kossowski B.,** Domagalik A., Szwed M. (2022)  
 NeuroSmog: determining the impact of air pollution on the developing brain: project protocol.  
*International Journal of Environmental Research and Public Health*, 19, art. no. 310, 1-19.  
 doi: 10.3390/ijerph19010310
130. Markowicz J., Wołowiec S., **Rode W., Uram Ł.** (2022)  
 Synthesis and properties of α-Mangostin and vadimezan conjugates with glucoheptoamidated and biotinylated 3rd generation poly(amidoamine) dendrimer, and conjugation effect on their anticancer and anti-nematode activities.  
*Pharmaceutics*, 14, art. no. 606, 1-21.  
 doi: 10.3390/pharmaceutics14030606
131. **Matryba P., Kaczmarek L., Gołąb J.** (2022)  
 Chapter 16 - Progress in ex situ tissue optical clearing – shifting immuno-oncology to the third dimension.  
 W: V. Tuchin, D. Zhu, E. Genina (eds.), *Handbook of Tissue Optical Clearing : New Prospects in Optical Imaging* (315-330). Boca Raton: CRC Press.  
 doi: 10.1201/9781003025252-18

132. Matusiak M., Oziębło D., Ołdak M., **Rejmak E.**, **Kaczmarek L.**, Skarżyński P.H., Skarżynski H. (2022)  
Prospective cohort study reveals MMP-9, a neuroplasticity regulator, as a prediction marker of cochlear implantation outcome in prelingual deafness treatment.  
*Molecular Neurobiology*, 59, 2190-2203.  
doi: 10.1007/s12035-022-02732-7
133. **Matyśniak D.**, **Chumak V.**, Nowak N., Kukla A., Lehka L., Oslislok M., **Pomorski P.** (2022)  
P2X7 receptor: the regulator of glioma tumor development and survival.  
*Purinergic Signalling*, 18, 135-154.  
doi: 10.1007/s11302-021-09834-2
134. Messina S., Mariano R., Roca-Fernandez A., Cavey A., **Juryńczyk M.**, Leite M.I., Calabrese M., Jenkinson M., Palace J. (2022)  
Contrasting the brain imaging features of MOG-antibody disease, with AQP4-antibody NMOSD and multiple sclerosis.  
*Multiple Sclerosis Journal*, 28, 217-227.  
doi: 10.1177/13524585211018987
135. **Michałuk P.**, Rusakov D.A. (2022)  
Monitoring cell membrane recycling dynamics of proteins using whole-cell fluorescence recovery after photobleaching of pH-sensitive genetic tags.  
*Nature Protocols*, 17, 3056-3079.  
doi: 10.1038/s41596-022-00732-4
136. **Mietelska-Porowska A.**, **Domańska J.**, Want A., **Więckowska-Gacek A.**, Chutorański D., **Koperski M.**, **Wojda U.** (2022)  
Induction of brain insulin resistance and Alzheimer's molecular changes by Western diet.  
*International Journal of Molecular Sciences*, 23, art. no. 4744, 1-36.  
doi: 10.3390/ijms23094744
137. Miszta P., Nazaruk E., Nieciecka D., **Możajew M.**, Krysiński P., Bilewicz R., Filipek S. (2022)  
The EcCLC antiporter embedded in lipidic liquid crystalline films - molecular dynamics simulations and electrochemical methods.  
*Physical Chemistry Chemical Physics*, 24, 3066-3077.  
doi: 10.1039/d1cp03992j
138. Morciano G., Pedriali G., Mikus E., Cimaglia P., Calvi S., Pavasini R., Albertini A., Ferrari R., **Więckowski M.R.**, Giorgi C., Campo G., Pinton P. (2022)  
[Letter] Similarities between fibroblasts and cardiomyocytes in the study of the permeability transition pore.  
*European Journal of Clinical Investigation*, 52, art. no. e13764, 1-6.  
doi: 10.1111/eci.13764
139. Morciano G., Rimessi A., Paterniani S., Vitto V.A.M., Danese A., Kahsay A., Palumbo L., Bonora M., **Więckowski M.R.**, Giorgi C., Pinton P. (2022)  
Calcium dysregulation in heart diseases: Targeting calcium channels to achieve a correct calcium homeostasis.  
*Pharmacological Research*, 177, art. no. 106119, 1-23.  
doi: 10.1016/j.phrs.2022.106119

140. Moszyńska A., Jaśkiewicz M., Serocki M., **Cabaj A.**, Crossman D.K., Bartoszewska S., Gebert M., **Dąbrowski M.**, Collawn J.F., Bartoszewski R. (2022)  
The hypoxia-induced changes in miRNA-mRNA in RNA-induced silencing complexes and HIF-2 induced miRNAs in human endothelial cells.  
*FASEB Journal*, 36, art. no. e22412, 1-22.  
doi: 10.1096/fj.202101987R
141. **Mroczek J.**, Pikuła S., Suski S., Weremiejczyk L., Biesaga M., Strzelecka-Kiliszek A. (2022)  
Apigenin modulates AnxA6- and TNAP-mediated osteoblast mineralization.  
*International Journal of Molecular Sciences*, 23, art. no. 13179, 1-21.  
doi: 10.3390/ijms232113179
142. Murgia N., Ma Y., Najam S.S., Liu Y., **Przybyś J.**, Guo C., **Konopka W.**, Vinnikov I.A. (2022)  
*In Vivo* reductionist approach identifies miR-15a protecting mice from obesity.  
*Frontiers in Endocrinology*, 13, art. no. 867929, 1-10.  
doi: 10.3389/fendo.2022.867929
143. Niziołek M., **Bicka M.**, Osinka A., Samsel Z., Sekretarska J., **Poprzeczko M.**, Bazan R., Fabczak H., Joachimiak E., Włoga D. (2022)  
PCD genes-from patients to model organisms and back to humans.  
*International Journal of Molecular Sciences*, 23, art. no. 1749, 1-29.  
doi: 10.3390/ijms23031749
144. Nowacka M., Latoch P., Izert M.A., **Karolak N.K.**, Tomecki R., Koper M., Tudek A., Starosta A.L., Górná M.W. (2022)  
A cap 0-dependent mRNA capture method to analyze the yeast transcriptome.  
*Nucleic Acids Research*, 50, art. no. e132, 1-14.  
doi: 10.1093/nar/gkac903
145. Nowosad K., Brouwer R.W.W., Odrzywolski A., Korporaal A.L., **Gielniewski B.**, Wojtaś B., van IJcken W.F.J., Grosveld F., Huylebroeck D., Tylżanowski P. (2022)  
Identification of candidate enhancers controlling the transcriptome during the formation of interphalangeal joints.  
*Scientific Reports*, 12, art. no. 12835, 1-16.  
doi: 10.1038/s41598-022-16951-4
146. Ochnik M., Franz D., **Sobczyński M.**, Naporowski P., Banach M., Orzechowska B., Sochocka M. (2022)  
Inhibition of human respiratory influenza a virus and human betacoronavirus-1 by the blend of double-standardized extracts of *Aronia melanocarpa* (Michx.) Elliot and *Sambucus nigra L.*  
*Pharmaceuticals*, 15, art. no. 619, 1-16.  
doi: 10.3390/ph15050619
147. Olszewska A.M., Sieradzan A.K., Bednarczyk P., **Szewczyk A.**, Żmijewski M.A. (2022)  
Mitochondrial potassium channels: A novel calcitriol target.  
*Cellular & Molecular Biology Letters*, 27, art. no. 3, 1-20.  
doi: 10.1186/s11658-021-00299-0

148. **Orłowski P., Ruban A., Szczypiąński J.J., Hobot J., Bielecki M., Bola M.** (2022) Naturalistic use of psychedelics is related to emotional reactivity and self-consciousness: The mediating role of ego-dissolution and mystical experiences. *Journal of Psychopharmacology*, 36, 987-1000.  
doi: 10.1177/0269881221089034
149. Pedriali G., Ramaccini D., Bouhamida E., **Więckowski M.R., Giorgi C., Tremoli E., Pinton P.** (2022) Perspectives on mitochondrial relevance in cardiac ischemia/reperfusion injury. *Frontiers in Cell and Developmental Biology*, 10, art. no. 1082095, 1-28.  
doi: 10.3389/fcell.2022.1082095
150. Perdyan A., Lawrynowicz U., Horbacz M., **Kamińska B., Mieczkowski J.** (2022) Integration of single-cell RNA sequencing and spatial transcriptomics to reveal the glioblastoma heterogeneity. *F1000Research*, 11, art. no. 1180, 1-13.  
doi: 10.12688/f1000research.126243.1
151. Plucińska R., Jędrzejewski K., **Waligóra M., Malinowska U., Rogala J.** (2022) Impact of EEG frequency bands and data separation on the performance of person verification employing neural networks. *Sensors*, 22, art. no. 5529, 1-21.  
doi: 10.3390/s22155529
152. **Piątek R., Rogujski P., Mazuryk L., Wiśniewska M.B., Kaczmarek L., Czupryn A.** (2022) Impaired generation of transit-amplifying progenitors in the adult subventricular zone of cyclin D2 knockout mice. *Cells*, 11, art. no. 135, 1-20.  
doi: 10.3390/cells11010135
153. Pochwat B., Misztak P., **Masternak J., Bączyńska E., Bijata K., Roszkowska M., Bijata M., Włodarczyk J., Szafarz M., Wyska E., Muszyńska B., Krakowska A., Opoka W., Nowak G., Szewczyk B.** (2022) Combined hyperforin and lanicemine treatment instead of ketamine or imipramine restores behavioral deficits induced by chronic restraint stress and dietary zinc restriction in mice. *Frontiers in Pharmacology*, 13, art. no. 933364, s. 1-19.  
doi: 10.3389/fphar.2022.933364
154. **Połosak K., Papierniak-Wyglądała A., Nałęcz K.A.** (2022) Regulation of SLC6A14 trafficking in breast cancer cells by heat shock protein HSP90 $\beta$ . *Biochemical and Biophysical Research Communications*, 614, 41-46.  
doi: 10.1016/j.bbrc.2022.05.011
155. **Posłuszny A., Wierzbicka A., Zakrzewska R., Waleszczyk W.J., Kossut M.** (2022) Conditioning-induced changes in sensory cortical maps detected in mice by intrinsic signal optical imaging. *Acta Neurobiologiae Experimentalis*, 82, 489-500.  
doi: 10.55782/ane-2022-047

156. Price E.R., **Bauchinger U.**, McWilliams S.R., Boyles M.L., Langlois L., Gerson A.R., Guglielmo C.G. (2022)  
The effects of training, acute exercise and dietary fatty acid composition on muscle lipid oxidative capacity in European starlings.  
*Journal of Experimental Biology*, 225, art. no. jeb244433, 1-8.  
doi: 10.1242/jeb.244433
157. **Przetacka J., Droździel D.**, Michałowski J.M., **Wypych M.** (2022)  
Self-regulation and learning from failures: Probabilistic reversal learning task reveals lower flexibility persisting after punishment in procrastinators.  
*Journal of Experimental Psychology-General*, 151, 1942-1955.  
doi: 10.1037/xge0001161
158. Puchenkova O.A., Soldatov V.O., **Belykh A.E.**, Bushueva O.Y., Piavchenko G.A., Venediktov A.A., Shakhpazyan N.K., Deykin A.V., Korokin M.V., Pokrovskiy M.V. (2022)  
Cytokines in abdominal aortic aneurysm: Master regulators with clinical application.  
*Biomarker Insights*, 17, art. no. 11772719221095676, 1-16.  
doi: 10.1177/11772719221095676
159. **Puścian A.** (2022)  
Więcej różnorodności to lepsza nauka.  
*Academia*, 1 (69), 34-37.  
doi: 10.24425/academiaPAN.2021.140134
160. **Puścian A., Bryksa A., Kondrakiewicz K., Kostecki M., Winiarski M., Knapska E.** (2022)  
Ability to share emotions of others as a foundation of social learning.  
*Neuroscience and Biobehavioral Reviews*, 132, 23-36.  
doi: 10.1016/j.neubiorev.2021.11.022
161. **Puścian A., Knapska E.** (2022)  
Blueprints for measuring natural behawior.  
*iScience*, 25, art. no. 104635, 1-13.  
doi: 10.1016/j.isci.2022.104635
162. **Puścian A., Winiarski M., Borowska J., Łęski S., Górkiewicz T., Chaturvedi M., Nowicka K., Wołyniak M., Chmielewska J.J., Nikolaev T., Meyza K., Dziembowska M., Kaczmarek L., Knapska E.** (2022)  
Targeted therapy of cognitive deficits in fragile X syndrome.  
*Molecular Psychiatry*, 27, 2766-2776.  
doi: 10.1038/s41380-022-01527-5
163. **Pyrak E.**, Szaniawska A., Kudelski A. (2022)  
Chapter 11 - Applications of SERS in biochemical and medical analysis.  
W: V.P. Gupta (ed.), *Molecular and Laser Spectroscopy : Advances and Applications*, vol. 3 (375-408). Amsterdam: Elsevier.  
doi: 10.1016/B978-0-323-91249-5.00013-2
164. Ramaccini D., Pedriali G., Perrone M., Bouhamida E., Modesti L., **Więckowski M.R.**, Giorgi C., Pinton P., Morciano G. (2022)  
Some insights into the regulation of cardiac physiology and pathology by the Hippo pathway.  
*Biomedicines*, 10, art. no. 726, 1-22.  
doi: 10.3390/biomedicines10030726

165. Rea J.N.M., Broczek K.M., Cevenini E., Celani L., Rea S.A.J., **Sikora E.**, Franceschi C., Fortunati V., Rea I.M. (2022)  
 Insights into sibling relationships and longevity from genetics of healthy ageing nonagenarians: The importance of optimisation, resilience and social networks.  
*Frontiers in Psychology*, 13, art. no. 722286, 1-16.  
 doi: 10.3389/fpsyg.2022.722286
166. Rempelos L., Wang J., **Barański M.**, Watson A., Volakakis N., Hadall C., Hasanaliyeva G., Chatzidimitriou E., Magistrali A., Davis H., Vigor V., Średnicka-Tober D., Rushton S., Rosnes K.S., Iversen P.O., Seal C.J., Leifert C. (2022)  
 Diet, but not food type, significantly affects micronutrient and toxic metal profiles in urine and/or plasma; a randomized, controlled intervention trial.  
*American Journal of Clinical Nutrition*, 116, 1278-1290.  
 doi: 10.1093/ajcn/nqac233
167. Rempelos L., Wang J., **Barański M.**, Watson A., Volakakis N., Hoppe H.W., Kühn-Velten W.N., Hadall C., Hasanaliyeva G., Chatzidimitriou E., Magistrali A., Davis H., Vigor V., Średnicka-Tober D., Rushton S., Iversen P.O., Seal C.J., Leifert C. (2022)  
 Diet and food type affect urinary pesticide residue excretion profiles in healthy individuals: results of a randomized controlled dietary intervention trial.  
*American Journal of Clinical Nutrition*, 115, 364-377.  
 doi: 10.1093/ajcn/nqab308
168. **Rędowicz M.J.**, Linke W.A. (2022)  
 Virtually "muscling" in pandemic: first virtual European Muscle Conference (September 20-22, 2021).  
*Journal of Muscle Research and Cell Motility*, 43, 45-47.  
 doi: 10.1007/s10974-022-09616-2
169. **Riegel M.**, Wierzba M., Wypych M., Ritchey M., Jednoróg K., Grabowska A., Vuilleumier P., Marchewka A. (2022)  
 Distinct medial-temporal lobe mechanisms of encoding and amygdala-mediated memory reinstatement for disgust and fear.  
*NeuroImage*, 251, art. no. 118889, 1-19.  
 doi: 10.1016/j.neuroimage.2022.118889
170. **Riegel M.**, Wypych M., Wierzba M., Szczepanik M., Jednoróg K., Vuilleumier P., Marchewka A. (2022)  
 Emotion schema effects on associative memory differ across emotion categories at the behavioural, physiological and neural level: Emotion schema effects on associative memory differs for disgust and fear.  
*Neuropsychologia*, 172, art. no. 108257, 1-16.  
 doi: 10.1016/j.neuropsychologia.2022.108257
171. Roszkowska M., Krysiak A., Majchrowicz L., Nader K., Beroun A., Michaluk P., Pękała M., Jaworski J., Kondrakiewicz L., Puścian A., Knapska E., Kaczmarek L., Kalita K. (2022)  
 SRF depletion in early life contributes to social interaction deficits in the adulthood.  
*Cellular and Molecular Life Sciences*, 79, art. no. 278, 1-18.  
 doi: 10.1007/s00018-022-04291-5

172. Rumney R.M.H., Robson S.C., Kao A.P., Barbu E., **Bozycki Ł.**, Smith J.R., Cragg S.M., Couceiro F., Parwani R., Tozzi G., Stuer M., Barber A.H., Ford A.T., Górecki D.C. (2022)  
Biomimetic generation of the strongest known biomaterial found in limpet tooth.  
*Nature Communications*, 13, art. no. 3753, 1-13.  
doi: 10.1038/s41467-022-31139-0
173. Rumney R.M.H., **Róg J.**, Chira N., Kao A.P., Al-Khalidi R., Górecki D.C. (2022)  
P2X7 purinoceptor affects ectopic calcification of dystrophic muscles.  
*Frontiers in Pharmacology*, 13, art. no. 935804, 1-12.  
doi: 10.3389/fphar.2022.935804
174. **Rutkowska N., Doradzińska Ł., Bola M.** (2022)  
Attentional prioritization of complex, naturalistic stimuli maintained in working-memory-a dot-probe event-related potentials study.  
*Frontiers in Human Neuroscience*, 16, art. no. 838338, 1-11.  
doi: 10.3389/fnhum.2022.838338
175. Sakrajda K., Szczepankiewicz D., Nowakowska J., Celichowski P., **Banach E.**, Zakowicz P., Kołodziejski P., Pruszyńska-Oszmałek E., Pawlak J., Szczepankiewicz A. (2022)  
Differential expression profile between amygdala and blood during chronic lithium treatment in a rat model of depression - a pilot study.  
*Acta Neurobiologiae Experimentalis*, 82, 245-253.  
doi: 10.55782/ane-2022-023
176. Salatino A., Miccolis R., Gammeri R., **Ninghetto M.**, Belli F., Nobili M., Mouraux A., Ricci R. (2022)  
Improvement of impulsivity and decision making by transcranial Direct Current Stimulation of the dorsolateral prefrontal cortex in a patient with gambling disorder.  
*Journal of Gambling Studies*, 38, 627-634.  
doi: 10.1007/s10899-021-10050-1
177. Satora L., Bilska-Kos A., **Majchrowicz L., Suski S.**, Sobecka E., Korzelecka-Orkisz A., Formicki K. (2022)  
The gill monogenean *Sciadicleithrum variabile* induces histomorphological alterations in the gill tissues of the discus *Sympodus aequifasciatus*.  
*Diseases of Aquatic Organisms*, 152, 37-46.  
doi: 10.3354/dao03703
178. **Shahbazi S., Zakerali T.** (2022)  
Methylenedioxy piperamide-derived compound D5 regulates inflammatory cytokine secretion in a culture of human glial cells.  
*Molecules*, 27, art. no. 3527, 1-28.  
doi: 10.3390/molecules27113527
179. **Shahbazi S., Zakerali T.** (2022)  
The inhibitory role of benzo-dioxole-piperamide on the phosphorylation process as an NF-Kappa B silencer.  
*Biomedicine & Pharmacotherapy*, 145, art. no. 112471, 1-11.  
doi: 10.1016/j.biopha.2021.112471

180. **Sikora E., Czarnecka-Herok J., Bojko A., Sunderland P.** (2022)  
Therapy-induced polyploidization and senescence: Coincidence or interconnection?  
*Seminars in Cancer Biology*, 81, 83-95.  
doi: 10.1016/j.semcan.2020.11.015
181. Simonsen Ø.W., **Czajkowski R.**, Witter M.P. (2022)  
Retrosplenial and subiculum inputs converge on superficially projecting layer V neurons of medial entorhinal cortex.  
*Brain Structure and Function*, 227, 2821-2837.  
doi: 10.1007/s00429-022-02578-8
182. Sochocka M., Ochnik M., **Sobczyński M.**, Gębura K., Zambrowicz A., Naporowski P., Leszek J. (2022)  
*Ginkgo Biloba* leaf extract improves an innate immune response of peripheral blood leukocytes of Alzheimer's disease patients.  
*Nutrients*, 14, art. no. 2022, 1-20.  
doi: 10.3390/nu14102022
183. Sochocka M., Ochnik M., **Sobczyński M.**, Orzechowska B., Leszek J. (2022)  
Sex differences in innate immune response of peripheral blood leukocytes of Alzheimer's disease patients.  
*Archivum Immunologiae et Therapiae Experimentalis*, 70, art. no. 16, 1-16.  
doi: 10.1007/s00005-022-00653-w
184. Sokołowska K.E., Maciejewska-Markiewicz D., Bińkowski J., Palma J., Taryma-Leśniak O., Kozłowska-Petriczko K., Borowski K., Baśkiewicz-Hałasa M., Hawryłkowicz V., Załęcka P., Ufnal M., Strapagiel D., **Jarczak J.**, Skonieczna-Żydecka K., Ryterska K., Machaliński B., Wojdacz T.K., Stachowska E. (2022)  
Identified in blood diet-related methylation changes stratify liver biopsies of NAFLD patients according to fibrosis grade.  
*Clinical Epigenetics*, 14, art. no. 157, 1-16.  
doi: 10.1186/s13148-022-01377-6
185. **Sokołowska P.**, Jastrzębska E., **Dobrzyń A.**, Brzozka Z. (2022)  
Investigation of the therapeutic potential of new antidiabetic compounds using islet-on-a-chip microfluidic model.  
*Biosensors*, 12, art. no. 302, 1-11.  
doi: 10.3390/bios12050302
186. Sokołowski A., Folkierska-Żukowska M., **Jednoróg K.**, **Wypych M.**, Dragan W.Ł. (2022)  
It is not (always) the Mismatch that beats you-on the relationship between interaction of early and recent life stress and emotion regulation, an fMRI study.  
*Brain Topography*, 35, 219-231.  
doi: 10.1007/s10548-021-00880-y
187. Soldatov V.O., Kubekina M.V., Skorkina M.Y., **Belykh A.E.**, Egorova T.V., Korokin M.V., Pokrovskiy M.V., Deykin A.V., Angelova P.R. (2022)  
Current advances in gene therapy of mitochondrial diseases.  
*Journal of Translational Medicine*, 20, art. no. 562, 1-23.  
doi: 10.1186/s12967-022-03685-0

188. Sołek P., Mytych J., Łannik E., **Majchrowicz L.**, Koszła O., Koziorowska A., Koziorowski M. (2022)  
Cancer on-target: Selective enhancement of 3-bromopyruvate action by an electromagnetic field *in vitro*.  
*Free Radical Biology and Medicine*, 180, 153-164.  
doi: 10.1016/j.freeradbiomed.2022.01.011
189. Sosnowski P., Sass P., Ślonimska P., Płatek R., Kamińska J., Baczyński-Keller J., Mucha P., Peszyńska-Sularz G., **Czupryna A.**, Pikuła M., Piotrowski A., Janus Ł., Rodziewicz-Motowidło S., Skowron P., Sachadyn P. (2022)  
Regenerative drug discovery using ear pinna punch wound model in mice.  
*Pharmaceuticals*, 15, art. no. 610, 1-20.  
doi: 10.3390/ph15050610
190. **Stępińska O., Dymkowska D., Mateuszuk Ł., Zabłocki K.** (2022)  
Lipopolysaccharide affects energy metabolism and elevates nicotinamide N-methyltransferase level in human aortic endothelial cells (HAEC).  
*International Journal of Biochemistry and Cell Biology*, 151, art. no. 106292, 1-11.  
doi: 10.1016/j.biocel.2022.106292
191. Stokes C.S., Weber D., Wagenpfeil S., Stuetz W., Moreno-Villanueva M., Dollé M.E.T., Jansen E., Gonos E.S., Bernhardt J., Grubeck-Loebenstein B., Fiegl S., **Sikora E.**, Toussaint O., Debacq-Chainiaux F., Capri M., Hervonen A., Slagboom P.E., Breusing N., Frank J., Bürkle A., Franceschi C., Grune T. (2022)  
Association between fat-soluble vitamins and self-reported health status: a cross-sectional analysis of the MARK-AGE cohort.  
*British Journal of Nutrition*, 128, 433-443.  
doi: 10.1017/S0007114521004633
192. **Stukan I., Gryzik M., Hoser G., Want A., Grabowska-Pyrzewicz W., Zdioruk M., Napiórkowska M., Cieślak M., Królewska-Golińska K., Nawrot B., Basak G., Wojda U.** (2022)  
Novel dicarboximide BK124.1 breaks multidrug resistance and shows anticancer efficacy in chronic myeloid leukemia preclinical models and patients' CD34<sup>+</sup>/CD38<sup>-</sup> leukemia stem cells.  
*Cancers*, 14, art. no. 3641, 1-18.  
doi: 10.3390/cancers14153641
193. Swatler J., Turos-Korgul L., Brewińska-Olchowik M., De Biasi S., **Dudka W., Le B.V., Kominek A., Cyranowski S., Pilanc P.**, Mohammadi E., Cysewski D., Kozłowska E., **Grabowska-Pyrzewicz W., Wojda U.**, Basak G., Mieczkowski J., Skorski T., Cossarizza A., Piwocka K. (2022)  
4-1BBL-containing leukemic extracellular vesicles promote immunosuppressive effector regulatory T cells.  
*Blood Advances*, 6, 1879-1894.  
doi: 10.1182/bloodadvances.2021006195
194. **Szadkowska P., Roura A.-J., Wojtaś B., Wojnicki K., Licholai S., Waller T., Gubala T., Żukowski K., Karpeta M., Wilkus K., Kaspera W., Nawrocki S., Kamińska B.** (2022)  
Improvements in quality control and library preparation for targeted sequencing allowed detection of potentially pathogenic alterations in circulating cell-free DNA derived from plasma of brain tumor patients.  
*Cancers*, 14, art. no. 3902, 1-20.  
doi: 10.3390/cancers14163902

195. Szaniawska A., Mazur K., Kwarta D., **Pyrak E.**, Kudelski A. (2022)  
How surface-enhanced Raman spectroscopy could contribute to medical diagnoses.  
*Chemosensors*, 10, art. no. 190, 1-34.  
doi: 10.3390/chemosensors10050190
196. Szczepaniak P., Siedliński M., Hodorowicz-Zaniewska D., Nosalski R., Mikołajczyk T.P.,  
**Dobosz A.M.**, Dikalova A., Dikalov S., Streb J., Gara K., Basta P., Krolczyk J., Sulicka-Grodzicka J., Józefczuk E., **Dziewulska A.**, Saju B., Laksa I., Chen W., Dormer J., Tomaszewski M., Maffia P., Cześnikiewicz-Guzik M., Crea F., **Dobrzyń A.**, Moslehi J., Grodzicki T., Harrison D.G., Guzik T.J. (2022)  
Breast cancer chemotherapy induces vascular dysfunction and hypertension through a NOX4-dependent mechanism.  
*Journal of Clinical Investigation*, 132, art. no. e149117, 1-19.  
doi: 10.1172/JCI149117
197. **Szczypliński J.**, **Wypych M.**, Krasowska A., Wiśniewski P., Kopera M., Suszek H.,  
**Marchewka A.**, Jakubczyk A., Wojnar M. (2022)  
Abnormal behavioral and neural responses in the right dorsolateral prefrontal cortex during emotional interference for cognitive control in pedophilic sex offenders.  
*Journal of Psychiatric Research*, 151, 131-135.  
doi: 10.1016/j.jpsychires.2022.04.012
198. **Szeląg E.**, **Stańczyk M.**, **Szymaszek A.** (2022)  
Sub- and supra-second timing in auditory perception: Evidence for cross-domain relationships.  
*Frontiers in Neuroscience*, 15, art. no. 812533, 1-13.  
doi: 10.3389/fnins.2021.812533
199. Ślązak B., Jedrzejewska A., **Badyra B.**, Shariatgorji R., Nilsson A., Andrén P.E., Göransson U. (2022)  
The influence of plant stress hormones and biotic elicitors on cyclotide production in *Viola uliginosa* cell suspension cultures.  
*Plants*, 11, art. no. 1876, 1-10.  
doi: 10.3390/plants11141876
200. Ślązak B., Jedrzejewska A., **Badyra B.**, Sybilska A., Lewandowski M., Kozak M., Kapusta M., Shariatgorji R., Nilsson A., Andrén P.E., Göransson U., Kiełkiewicz M. (2022)  
The involvement of cyclotides in mutual interactions of violets and the two-spotted spider mite.  
*Scientific Reports*, 12, art. no. 1914, 1-12.  
doi: 10.1038/s41598-022-05461-y
201. Średnicka-Tober D., Hallmann E., Kopczyńska K., Góral ska-Walczak R., **Barański M.**, Grycz A., Seidler-Łożykowska K., Rembiałkowska E., Kazimierczak R. (2022)  
Profile of selected secondary metabolites and antioxidant activity of valerian and lovage grown in organic and low-input conventional system.  
*Metabolites*, 12, art. no. 835, 1-15.  
doi: 10.3390/metabo12090835

202. Średnicka-Tober D., Kopczyńska K., Górska-Walczak R., Hallmann E., **Barański M.**, Marszałek K., Kazimierczak R. (2022)  
 Are organic certified carrots richer in health-promoting phenolics and carotenoids than the conventionally grown ones?  
*Molecules*, 27, art. no. 4184, 1-11.  
 doi: 10.3390/molecules27134184
203. Świerczek-Lasek B., Tolak Ł., **Bijoch Ł.**, **Stefaniuk M.**, Szpak P., Kalaszczyska I., Stremińska W., Cierny M.A., Archacka K. (2022)  
 Comparison of muscle regeneration after BMSC-conditioned medium, syngeneic, or allogeneic BMSC injection.  
*Cells*, 11, art. no. 2843, 1-19.  
 doi: 10.3390/cells11182843
204. Tarocco A., Morciano G., Perrone M., Cafolla C., Ferrè C., Vacca T., Pistocchi G., Meneghin F., Cocchi I., Lista G., Cetin I., Greco P., Garani G., Stella M., Natile M., Ancora G., Savarese I., Campi F., Bersani I., Dotta A., Tiberi E., Vento G., Chiodin E., Staffler A., Maranella E., Di Fabio S., **Więckowski M.R.**, Giorgi C., Pinton P. (2022)  
 Increase of Parkin and ATG5 plasmatic levels following perinatal hypoxic-ischemic encephalopathy.  
*Scientific Reports*, 12, art. no. 7795, 1-9.  
 doi: 10.1038/s41598-022-11870-w
205. Theodoni P., **Majka P.**, Reser D.H., **Wójcik D.K.**, Rosa M.G.P., Wang X.-J. (2022)  
 Structural attributes and principles of the neocortical connectome in the marmoset monkey.  
*Cerebral Cortex*, 32, 15-28.  
 doi: 10.1093/cercor/bhab191
206. Thumfart K.M., **Jawaid A.**, Bright K., Flachsmann M., Mansuy I.M (2022)  
 Epigenetics of childhood trauma: Long term sequelae and potential for treatment.  
*Neuroscience and Biobehavioral Reviews*, 132, 1049-1066.  
 doi: 10.1016/j.neubiorev.2021.10.042
207. Tian X., Chen Y., **Majka P.**, Szczupak D., Perl Y.S., Yen C.C.-C., Tong C., Feng F., Jiang H., Glen D., Deco G., Rosa M.G.P., Silva A.C., Liang Z., Liu C. (2022)  
 An integrated resource for functional and structural connectivity of the marmoset brain.  
*Nature Communications*, 13, art. no. 7416, 1-17.  
 doi: 10.1038/s41467-022-35197-2
208. **Topcu C.**, Marks V.S., Saboo K.V., Lech M., Nejedly P., Kremen V., Worrell G.A., Kucewicz M.T. (2022)  
 Hotspot of human verbal memory encoding in the left anterior prefrontal cortex.  
*eBioMedicine*, 82, art. no. 104135, 1-14.  
 doi: 10.1016/j.ebiom.2022.104135
209. **Traczyk G.**, **Świątkowska A.**, **Hromada-Judycka A.**, **Janikiewicz J.**, **Kwiatkowska K.** (2022)  
 An intact zinc finger motif of the C1B domain is critical for stability and activity of diacylglycerol kinase-ε.  
*International Journal of Biochemistry and Cell Biology*, 152, art. no. 106295, 1-13.  
 doi: 10.1016/j.biocel.2022.106295

210. Turos-Korgul L., Kolba M.D., Chrościcki P., Ziemińska A., Piwocka K. (2022)  
 Tunneling nanotubes facilitate intercellular protein transfer and cell networks function.  
*Frontiers in Cell and Developmental Biology*, 10, art. no. 915117, 1-13.  
 doi: 10.3389/fcell.2022.915117
211. Urbańska D.M., Jarczak J., Czopowicz M., Kaba J., Horbańczuk K., Bagnicka E. (2022)  
 miRNA expression patterns in blood leukocytes and milk somatic cells of goats infected with small ruminant lentivirus (SRLV).  
*Scientific Reports*, 12, art. no. 13239, 1-12.  
 doi: 10.1038/s41598-022-17276-y
212. Urbisz A.Z., Chajec Ł., Małota K., Student S., Sawadro M.K., Śliwińska M.A., Świątek P. (2022)  
 All for one: changes in mitochondrial morphology and activity during syncytial oogenesis.  
*Biology of Reproduction*, 106, 1232-1253.  
 doi: 10.1093/biolre/ioac035
213. van de Wal M.A.E., Adjobo-Hermans M.J.W., Keijer J., Schirris T.J.J., Homberg J.R., Więckowski M.R., Grefte S., van Schothorst E.M., van Karnebeek C., Quintana A., Koopman W.J.H. (2022)  
*Ndufs4* knockout mouse models of Leigh syndrome: pathophysiology and intervention.  
*Brain*, 145, 45-63.  
 doi: 10.1093/brain/awab426
214. Verkhratsky A., Arranz A.M., Ciuba K., Pękowska A. (2022)  
 Evolution of neuroglia.  
*Annals of the New York Academy of Sciences*, 1518, 120-130.  
 doi: 10.1111/nyas.14917
215. Veschi E.A., Bolean M., da Silva Andrilli L.H., Sebinelli H.G., Strzelecka-Kiliszek A., Bandorowicz-Pikuła J., Pikuła S., Granjon T., Mebarek S., Magne D., Millán J.L., Ramos A.P., Buchet R., Bottini M., Ciancaglini P. (2022)  
 Mineralization profile of Annexin A6-harbouring proteoliposomes: Shedding light on the role of Annexin A6 on matrix vesicle-mediated mineralization.  
*International Journal of Molecular Sciences*, 23, art. no. 8945, 1-15.  
 doi: 10.3390/ijms23168945
216. Vezzani B., Carinci M., Previati M., Giacovazzi S., Della Sala M., Gafà R., Lanza G., Więckowski M.R., Pinton P., Giorgi C. (2022)  
 Epigenetic regulation: A link between inflammation and carcinogenesis.  
*Cancers*, 14, art. no. 1221, 1-19.  
 doi: 10.3390/cancers14051221
217. Vouros A., Gehring T.V., Jura B., Węsierska M.J., Wójcik D.K., Vasilaki E. (2022)  
 Strategies discovery in the active allothetic place avoidance task.  
*Scientific Reports*, 12, art. no. 12675, 1-12.  
 doi: 10.1038/s41598-022-16374-1

218. Wacławska M., **Nieznańska H.**, Dzwolak W. (2022)  
Enzymatic digestion of luminescent albumin-stabilized gold nanoclusters under anaerobic conditions: clues to the quenching mechanism.  
*Journal of Materials Chemistry C*, 10, 3775-3783.  
doi: 10.1039/D1TC05891F
219. Wagner A.S., Waite L.K., **Wierzba M.**, Hoffstaedter F., Waite A.Q., Poldrack B., Eickhoff S.B., Hanke M. (2022)  
FAIRly big: A framework for computationally reproducible processing of large-scale data.  
*Scientific Data*, 9, art. no. 80, 1-17.  
doi: 10.1038/s41597-022-01163-2
220. **Walewska A., Krajewska M., Stefanowska A., Buta A.**, Bilewicz R., Krysiński P., Bednarczyk P., Koprowski P., Szewczyk A. (2022)  
Methods of measuring mitochondrial potassium channels: A critical assessment.  
*International Journal of Molecular Sciences*, 23, art. no. 1210, 1-22.  
doi: 10.3390/ijms23031210
221. **Walewska A., Szewczyk A., Koprowski P.** (2022)  
External hemin as an inhibitor of mitochondrial large-conductance calcium-activated potassium channel activity.  
*International Journal of Molecular Sciences*, 23, art. no. 13391, 1-16.  
doi: 10.3390/ijms232113391
222. **Walewska A., Szewczyk A., Krajewska M., Koprowski P.** (2022)  
Targeting mitochondrial large-conductance calcium-activated potassium channel by hydrogen sulfide via heme-binding site.  
*Journal of Pharmacology and Experimental Therapeutics*, 381, 137-150.  
doi: 10.1124/jpet.121.001017
223. Wang Y., **Weremiejczyk L., Strzelecka-Kiliszek A., Maniti O., Veschi E.A., Bolean M., Ramos A.P., Trad L.B., Magne D., Bandorowicz-Pikuła J., Pikuła S., Millán J.L., Bottini M., Goekjian P., Ciancaglini P., Buchet R., Dou W.T., Tian H., Mebarek S., He X.P., Granjon T.** (2022)  
Fluorescence evidence of Annexin A6 translocation across membrane in model matrix vesicles during apatite formation.  
*Journal of Extracellular Biology*, 1, art. no. e38, 1-13.  
doi: 10.1002/jex2.38
224. Wasiłowska A., Tatur A., **Rzepecki M.** (2022)  
Massive diatom bloom initiated by high winter sea ice in Admiralty Bay (King George Island, South Shetlands) in relation to nutrient concentrations in the water column during the 2009/2010 summer.  
*Journal of Marine Systems*, 226, art. no. 103667\*  
doi: 10.1016/j.jmarsys.2021.103667
225. **Wawro B., Nieznańska H., Nieznański K., Gruszczyńska-Biegała J., Stępkowski D., Strzelecka-Gołaszewska H.** (2022)  
Mechanisms of the modulation of actin-myosin interactions by A1-type myosin light chains.  
*Biochimica et Biophysica Acta-General Subjects*, 1866, art. no. 130132, 1-9.  
doi: 10.1016/j.bbagen.2022.130132

226. Wiech M., Chrościcki P., Swatler J., Stępnik D., De Biasi S., Hampel M., Brewińska-Olchowik M., Maliszewska A., Sklinda K., Durlik M., Wierzba W., Cossarizza A., Piwocka K. (2022) Remodeling of T cell dynamics during long COVID is dependent on severity of SARS-CoV-2 infection. *Frontiers in Immunology*, 13, art. no. 886431, 1-18. doi: 10.3389/fimmu.2022.886431
227. Wierzba M., Riegel M., Kocoń J., Miłkowski P., Janz A., Klessa K., Juszczak K., Konat B., Grimaldi D., Piasecki M., Marchewka A. (2022) Emotion norms for 6000 Polish word meanings with a direct mapping to the Polish wordnet. *Behavior Research Methods*, 54, 2146-2161. doi: 10.3758/s13428-021-01697-0
228. Winiarski M., Kondrakiewicz L., Kondrakiewicz K., Jędrzejewska-Szmejek J., Turzyński K., Knapska E., Meyza K. (2022) Social deficits in BTBR T+ Itpr3tf/J mice vary with ecological validity of the test. *Genes, Brain and Behavior*, 21, art. no. e12814, 1-15. doi: 10.1111/gbb.12814
229. Wit M., Trujillo-Viera J., Strohmeyer A., Klingenspor M., Hankir M., Sumara G. (2022) When fat meets the gut-focus on intestinal lipid handling in metabolic health and disease. *EMBO Molecular Medicine*, 14, art. no. e14742, 1-18. doi: 10.15252/emmm.202114742
230. Wizła M., Glica A., Gola M., Lewczuk K. (2022) The relation of perceived social support to compulsive sexual behavior. *Journal of Psychiatric Research*, 156, 141-150. doi: 10.1016/j.jpsychires.2022.10.021
231. Wojda U. (2022) [Commentary] The perspective of exosomal MicroRNAs as biomarkers for preclinical Alzheimer's disease. *Biological Psychiatry*, 92, 5-7. doi: 10.1016/j.biopsych.2022.04.006
232. Wrzosek A., Gałecka S., Żochowska M., Olszewska A., Kulawiak B. (2022) Alternative targets for modulators of mitochondrial potassium channels. *Molecules*, 27, art. no. 299, 1-34. doi: 10.3390/molecules27010299
233. Zagkle E., Martinez-Vidal P.A., Bauchinger U., Sadowska E.T. (2022) Manipulation of heat dissipation capacity affects avian reproductive performance and output. *Frontiers in Ecology and Evolution*, 10, art. no. 866182, 1-16. doi: 10.3389/fevo.2022.866182

234. **Zareba-Kozioł M.**, Burdukiewicz M., Wysłouch-Cieszyńska A. (2022)  
Intracellular protein S-Nitrosylation - a cells response to extracellular S100B and RAGE receptor.  
*Biomolecules*, 12, art. no. 613, 1-23.  
doi: 10.3390/biom12050613
235. Zhang W., Dhumal D., Zhu X., Ralahy B., **Ellert-Miklaszewska A.**, Wu J., Laurini E., Yao Y-W., Kao C.-L., Iovanna J.L., Pricl S., **Kamińska B.**, Xia Y., Peng L. (2022)  
Bola-amphiphilic glycodendrimers: New carbohydrate-mimicking scaffolds to target carbohydrate-binding proteins.  
*Chemistry-A European Journal*, 28, art. no. e202201400, 1-10.  
doi: 10.1002/chem.202201400
236. **Żochowska A., Jakuszyk P., Nowicka M.M., Nowicka A.** (2022)  
Are covered faces eye-catching for us? The impact of masks on attentional processing of self and other faces during the COVID-19 pandemic.  
*Cortex*, 149, 173-187.  
doi: 10.1016/j.cortex.2022.01.015
237. Żygierewicz J., **Janik R.A., Podolak I.T., Drozd A., Malinowska U., Poziomska M., Wojciechowski J.** Ogniewski P., Niedbalski P., Terczyńska I., Rogala J. (2022)  
Decoding working memory-related information from repeated psychophysiological EEG experiments using convolutional and contrastive neural networks.  
*Journal of Neural Engineering*, 19, art. no. 046053, 1-16.  
doi: 10.1088/1741-2552/ac8b38

---

\*brak pełnego tekstu publikacji.

---

# INDEKS AUTORÓW<sup>2</sup>

## A

<b>Antoniuk S.</b>	Antoniuk Svitlana	<b><u>14</u></b>
<b>Antonova I.</b>	Antonova Ingrida	<b><u>54</u></b>

## B

<b>Badyra B.</b>	Badyra Bogna	<b><u>199, 200</u></b>
<b>Baluszek S.</b>	Baluszek Szymon	<b><u>28</u></b>
<b>Banach E.</b>	Banach Ewa	<b><u>7, 8, 175</u></b>
<b>Bandorowicz-Pikuła J.</b>	Bandorowicz-Pikuła Joanna	<b><u>215, 223</u></b>
<b>Barańska J.</b>	Barańska Jolanta	<b><u>9</u></b>
<b>Barański M.</b>	Barański Marcin	<b><u>166, 167, 201, 202</u></b>
<b>Bartkowska K.</b>	Bartkowska Katarzyna	<b><u>10</u></b>
<b>Bauchinger U.F.</b>	Bauchinger Ulf Florian	<b><u>22, 32, 156, 233</u></b>
<b>Bazan R.</b>	Bazan Rafał	<b><u>143</u></b>
<b>Bączyńska E.</b>	Bączyńska Ewa	<b><u>14, 15, 38, 57, 153</u></b>
<b>Bednarek S.</b>	Bednarek Sylwia	<b><u>6</u></b>
<b>Bednarski T.K.</b>	Bednarski Tomasz K.	<b><u>11</u></b>
<b>Belykh A.E.</b>	Belykh Andrei E.	<b><u>100, 158, 187</u></b>
<b>Bernaś T.</b>	Bernaś Tytus	<b><u>75</u></b>
<b>Beroun A.</b>	Beroun Anna	<b><u>171</u></b>
<b>Bicka M.</b>	Bicka Marta	<b><u>13, 143</u></b>
<b>Bielak-Żmijewska A.</b>	Bielak-Żmijewska Anna	<b><u>108</u></b>
<b>Bijata K.</b>	Bijata Krystian	<b><u>14</u></b>
<b>Bijata M.</b>	Bijata Monika	<b><u>14, 15, 38, 57, 153</u></b>
<b>Bijoch Ł.</b>	Bijoch Łukasz	<b><u>203</u></b>
<b>Bojko A.</b>	Bojko Agnieszka	<b><u>34, 180</u></b>
<b>Bola M.</b>	Bola Michał	<b><u>46, 59, 148, 174</u></b>
<b>Borowska J.</b>	Borowska Joanna	<b><u>162</u></b>
<b>Borys F.</b>	Borys Filip	<b><u>20</u></b>
<b>Bożycki Ł.</b>	Bożycki Łukasz	<b><u>73, 172</u></b>
<b>Brągoszewski P.</b>	Brągoszewski Piotr	<b><u>119</u></b>
<b>Brewińska-Olchowik M.</b>	Brewińska-Olchowik Marta	<b><u>49, 193, 226</u></b>
<b>Broczek K.</b>	Broczek Katarzyna	<b><u>50</u></b>
<b>Bryksa A.</b>	Bryksa Anna	<b><u>160</u></b>
<b>Bulanda E.</b>	Bulanda Edyta	<b><u>24, 65</u></b>
<b>Buszka A.</b>	Buszka Anna	<b><u>57</u></b>
<b>Buta A.</b>	Buta Aleksandra	<b><u>25, 220</u></b>

## C

<b>Cabaj A.</b>	Cabaj Aleksandra	<b><u>26, 85, 140</u></b>
<b>Całka-Kresa M.</b>	Całka-Kresa Małgorzata	<b><u>39</u></b>
<b>Charzyńska A.</b>	Charzyńska Agata	<b><u>26, 76, 85</u></b>
<b>Chaturvedi M.</b>	Chaturvedi Mayank	<b><u>162</u></b>
<b>Chrościcki P.</b>	Chrościcki Piotr	<b><u>210, 226</u></b>
<b>Chumak V.</b>	Chumak Vira	<b><u>118, 133</u></b>
<b>Chutorański D.</b>	Chutorański Dominik	<b><u>136</u></b>
<b>Chyl K.</b>	Chyl Katarzyna	<b><u>42</u></b>
<b>Ciesielska A.</b>	Ciesielska Anna	<b><u>31</u></b>
<b>Ciuba K.</b>	Ciuba Katarzyna	<b><u>214</u></b>

<sup>2</sup> Indeks pracowników, doktorantów i pozostałych osób podających w publikacjach afiliację Instytutu Biologii Doświadczalnej im. M. Nenckiego PAN. Podkreślono numery artykułów, w których autor podaje też drugą afiliację.

Cyranowski S.	Cyranowski Salwador	<b>193</b>
Czaban I.	Czaban Iwona	<b>75</b>
Czaikowski R.	Czaikowski Rafał	<b>181</b>
Czarkowska-Bauch J.	Czarkowska-Bauch Julita	<b>76</b>
Czarnecka-Herok J.	Czarnecka-Herok Joanna	<b>34, 180</b>
Czupryn A.	Czupryn Artur	<b>152, 189</b>

## D

Dąbrowska M.	Dąbrowska Magdalena	<b>39</b>
Dąbrowski M.	Dąbrowski Michał	<b>3, 26, 50, 64, 85, 140</b>
Dehingia B.	Dehingia Bondita	<b>41</b>
Demczuk A.	Demczuk Agnieszka	<b>125</b>
Dębska A.	Dębska Agnieszka	<b>42</b>
Djavadian R.	Djavadian Ruzanna	<b>10</b>
Dobosz A.M.	Dobosz Aneta M.	<b>196</b>
Dobrzański G.	Dobrzański Grzegorz	<b>43, 44, 123</b>
Dobrzyń A.	Dobrzyń Agnieszka	<b>3, 35, 128, 185, 196</b>
Dobrzyń P.	Dobrzyń Paweł	<b>11, 60</b>
Doleżycek H.	Doleżycek Hubert	<b>45</b>
Domańska J.	Domańska Justyna	<b>136</b>
Doradzińska Ł.	Doradzińska Łucja	<b>46, 174</b>
Drozd A.	Drozd Alan	<b>237</b>
Droździel D.	Droździel Dawid	<b>97, 157</b>
Dudka W.	Dudka Wioleta	<b>49, 193</b>
Dudkowska M.	Dudkowska Magdalena	<b>50, 108</b>
Duński E.	Duński Eryk	<b>51</b>
Duszyński J.	Duszyński Jerzy	<b>52, 53</b>
Dymkowska D.	Dymkowska Dorota	<b>190</b>
Dynak A.	Dynak Agnieszka	<b>42</b>
Dzianok P.	Dzianok Patrycja	<b>54</b>
Dziewulska A.	Dziewulska Anna	<b>196</b>
Dziegieł-Fivet G.	Dziegieł-Fivet Gabriela	<b>42</b>
Dzik J.M.	Dzik Jakub Mateusz	<b>70</b>

## E

Ejsmont-Karabin J.	Ejsmont-Karabin Jolanta	<b>56</b>
Ellert-Miklaszewska A.	Ellert-Miklaszewska Aleksandra	<b>60, 235</b>

## F

Fabczak H.	Fabczak Hanna	<b>143</b>
Figiel I.	Figiel Izabela	<b>14, 57, 108</b>
Filipek A.	Filipek Anna	<b>63, 89, 120</b>
Furtak M.	Furtak Marcin	<b>46, 59</b>

## G

Gadecka A.	Gadecka Agnieszka	<b>108</b>
Gajewska-Woźniak O.	Gajewska-Woźniak Olga	<b>62, 76</b>
Gałęcka S.	Gałęcka Shur	<b>232</b>
Gan A.-M.	Gan Ana Maria	<b>60</b>
Ghosh M.	Ghosh Mitrajit	<b>61</b>
Gielniewski B.	Gielniewski Bartłomiej	<b>75, 83, 145</b>
Glica A.	Glica Agnieszka	<b>122, 230</b>
Gliździńska A.	Gliździńska Aleksandra	<b>93</b>
Główacka A.	Główacka Anna	<b>62, 63, 76</b>
Głuchowska A.	Głuchowska Agata	<b>64</b>
Godlewska U.	Godlewska Urszula	<b>16, 65</b>
Godzińska E.J.	Godzińska Ewa Joanna	<b>66, 67</b>

Gomółka M.	Gomółka Magdalena	87
Goncerzewicz A.	Goncerzewicz Anna	70
Gorlewicki A.	Gorlewicki Adam	71, 72
Górkiewicz T.	Górkiewicz Tomasz	70, 162
Grabowska A.	Grabowska Agnieszka	75
Grabowska-Pyrzewicz W.	Grabowska-Pyrzewicz Wioletta	192, 193
Gruszczyńska-Biegała J.	Gruszczyńska-Biegała Joanna	225
Grycz K.	Grycz Kamil	76
Gryzik M.	Gryzik Marek	192

## H

Hamed A.	Hamed Adam	77
Haque F.	Haque Fahmida	29, 81
Herman A.M.	Herman Aleksandra M.	78, 79, 80
Herok M.	Herok Marcin	34
Holm-Kaczmarek D.	Holm-Kaczmarek Dagmara	75
Hoser G.	Hoser Grażyna	192
Hromada-Judycka A.	Hromada-Judycka Aneta	31, 209

## J

Jakuszyk P.	Jakuszyk Paweł	90, 236
Janik R.A.	Janik Romuald A.	237
Janikiewicz J.	Janikiewicz Justyna	3, 128, 209
Janiszewska D.	Janiszewska Dorota	50
Janowski M.	Janowski Marcin	41
Januszewicz E.	Januszewicz Elżbieta	75
Jarczak J.	Jarczak Justyna	18, 126, 184, 211
Jarmuła A.	Jarmuła Adam	84
Jawaid A.	Jawaid Ali	86, 87, 206
Jaworski T.	Jaworski Tomasz	7, 8
Jednoróg K.	Jednoróg Katarzyna	42, 58, 127, 169, 170, 186
Jermakow N.	Jermakow Natalia	6
Jędrzejewska-Szmek J.	Jędrzejewska-Szmek Joanna	70, 228
Ji B.	Ji Benjun	62, 76, 88
Joachimiak E.	Joachimiak Ewa	13, 37, 143
Jurewicz E.	Jurewicz Ewelina	89
Juryńczyk M.	Juryńczyk Maciej	27, 90, 91, 105, 134

## K

Kaczmarek L.	Kaczmarek Leszek	8, 72, 96, 131, 132, 152, 162, 171
Kalita K.	Kalita Katarzyna	171
Kamińska B.	Kamińska Bożena	40, 61, 73, 150, 194, 235
Kampa R.P.	Kampa Rafał Paweł	92, 93, 111
Kanigowski D.	Kanigowski Dominik	43
Karimi S.	Karimi Solmaz	94
Karolak N.K.	Karolak Natalia Katarzyna	23, 144
Karpa A.	Karpa Anna	50
Karpiński A.A.	Karpiński Adam Aleksander	96
Kassouf T.	Kassouf Toufic	125
Kaźmierowska A.M.	Kaźmierowska Anna M.	97
Kępczyńska A.	Kępczyńska Agnieszka	39
Klejman A.	Klejman Agata	49
Knapska E.	Knapska Ewelina	70, 72, 97, 98, 160, 161, 162, 171, 228
Kolba M.D.	Kolba Marta D.	210
Kominek A.	Kominek Agata	49, 193
Kondrakiewicz K.	Kondrakiewicz Kacper	160, 171, 228
Kondrakiewicz L.	Kondrakiewicz Ludwika	228
Konopka W.	Konopka Witold	142

Konopko A.	Konopko Adrian	<b>103, 104</b>
Koperski M.	Koperski Maciej	<b>136</b>
Koprowski P.	Koprowski Piotr	<b>220, 221, 222</b>
Korczyńska J.	Korczyńska Julita	<b>67, 102</b>
Kossowski B.	Kossowski Bartosz	<b>80, 105, 121, 129</b>
Kossut M.	Kossut Małgorzata	<b>43, 44, 106, 123, 155</b>
Kostecki M.	Kostecki Mateusz	<b>160</b>
Krajewska M.	Krajewska Milena	<b>220, 222</b>
Krakowczyk M.	Krakowczyk Magda	<b>119</b>
Krawczyk K.	Krawczyk Katarzyna	<b>75</b>
Krawczyk M.	Krawczyk Marta	<b>31</b>
Krysiak A.	Krysiak Anna	<b>171</b>
Krzystyniak A.	Krzystyniak Adam	<b>14, 108</b>
Krzywdzińska K.	Krzywdzińska Kamila	<b>76</b>
Kubiszewski-Jakubiak S.	Kubiszewski-Jakubiak Szymon	<b>109</b>
Kublik E.	Kublik Ewa	<b>54</b>
Kulawiak B.	Kulawiak Bogusz	<b>110, 232</b>
Kusio-Kobiałka M.	Kusio-Kobiałka Monika	<b>49</b>
Kwiatkowska K.	Kwiatkowska Katarzyna	<b>31, 209</b>

## L

Le B.V.	Le Bac Viet	<b>117, 193</b>
Lebiedzińska-Arciszewska M.	Lebiedzińska-Arciszewska Magdalena	<b>36, 95</b>
Lehka L.	Lehka Lilia	<b>118</b>
Lenkiewicz A.M.	Lenkiewicz Anna Magdalena	<b>61, 119</b>
Leśniak W.	Leśniak Wiesława	<b>63, 120</b>
Liguz-Lęcznar M.	Liguz-Lęcznar Monika	<b>43, 44, 123</b>
Loza-Valdes A.	Loza-Valdes Angel	<b>125</b>
Ludwickzak J.	Ludwickzak Jan	<b>12, 116</b>

## Ł

Łęski S.	Łęski Szymon	<b>162</b>
Łukomska A.	Łukomska Agnieszka	<b>43</b>
Łukomska B.	Łukomska Barbara	<b>82</b>
Łuniewska M.	Łuniewska Magdalena	<b>42, 127</b>

## M

Magalska A.	Magalska Adriana	<b>74</b>
Magnowska M.	Magnowska Marta	<b>14, 57</b>
Majchrowicz L.	Majchrowicz Lena	<b>171, 177, 188</b>
Majka P.	Majka Piotr	<b>6, 205, 207</b>
Maksymowicz M.	Maksymowicz Małgorzata	<b>63</b>
Malinowska M.	Malinowska Monika	<b>45</b>
Malinowska U.	Malinowska Urszula	<b>151, 237</b>
Marchewka A.	Marchewka Artur	<b>80, 97, 101, 107, 169, 170, 197, 227</b>
Martin-Gonzalez A.	Martin-Gonzalez Ana	<b>75</b>
Masternak J.	Masternak Julia	<b>14, 153</b>
Matryba P.	Matryba Paweł	<b>131</b>
Matyńskiak D.	Matyńskiak Damian	<b>133</b>
Mazurkiewicz P.	Mazurkiewicz Paweł	<b>19</b>
Mazuryk J.	Mazuryk Jarosław	<b>152</b>
Meyza K.	Meyza Ksenia	<b>162, 228</b>
Michałuk P.	Michałuk Piotr	<b>135, 171</b>
Mietelska-Porowska A.	Mietelska-Porowska Anna	<b>136</b>
Milewska M.	Milewska Małgorzata	<b>41</b>
Mondal S.S.	Mondal Shamba S.	<b>49</b>
Mosienniak G.	Mosienniak Grażyna	<b>34, 64, 108</b>
Możajew M.	Możajew Mariusz	<b>137</b>

**N**

Nader K.	Nader Karolina	<b>171</b>
Nałęcz K.A.	Nałęcz Katarzyna A.	<b>154</b>
Navrulin V.O.	Navrulin Victor O.	<b>60</b>
Nieznańska H.	Nieznańska Hanna	<b>218, 225</b>
Nieznański K.	Nieznański Krzysztof	<b>225</b>
Nikolaev T.	Nikolaev Tomasz	<b>162</b>
Ninghetto M.	Ninghetto Marco	<b><u>176</u></b>
Niziołek M.	Niziołek Michał	<b>143</b>
Nowacka A.	Nowacka Agata	<b>114</b>
Nowak N.	Nowak Natalia	<b>5, 133</b>
Nowicka A.	Nowicka Anna	<b>33, 236</b>
Nowicka K.	Nowicka Klaudia	<b>162</b>
Nowicka M.M.	Nowicka Maria M.	<b>33, 236</b>

**O**

Orlova K.	Orlova Kristina	<b>72</b>
Orłowski P.	Orłowski Paweł	<b>148</b>
Osinka A.	Osinka Anna	<b>13, 143</b>

**P**

Papierniak-Wyglądała A.	Papierniak-Wyglądała Anna	<b>154</b>
Pawłowska M.	Pawłowska Monika	<b>4</b>
Petrazzo G.	Petrazzo Gregory	<b>108</b>
Pękała M.	Pękała Martyna	<b>171</b>
Pękowska A.	Pękowska Aleksandra	<b>41, 51, 214</b>
Pijet B.	Pijet Barbara	<b>72</b>
Pikuła S.	Pikuła Sławomir	<b>68, 141, 212, 223</b>
Pilanc P.	Pilanc Paulina	<b>193</b>
Piotrowska M.	Piotrowska Magdalena	<b>82</b>
Piwocka K.	Piwocka Katarzyna	<b>49, 117, 193, 210, 226</b>
Plewko J.	Plewko Joanna	<b>42</b>
Piątek R.	Piątek Rafał	<b>152</b>
Podolak I.T.	Podolak Igor T.	<b>237</b>
Podszywałow-Bartnicka P.	Podszywałow-Bartnicka Paulina	<b>64, 117</b>
Połosak K.	Połosak Karolina	<b>154</b>
Pomorski P.	Pomorski Paweł	<b>133</b>
Poprzeczko M.	Poprzeczko Martyna	<b>143</b>
Posłuszny A.	Posłuszny Anna	<b>43, 155</b>
Potes Y.	Potes Yaiza	<b>3</b>
Pradhan B.S.	Pradhan Bhola Shankar	<b>47</b>
Prószyński T.J.	Prószyński Tomasz J.	<b>47</b>
Przetacka J.	Przetacka Joanna	<b>157</b>
Przybyś J.	Przybyś Joanna	<b>142</b>
Puścian A.	Puścian Alicja	<b>159, 160, 161, 162, 171</b>
Pyrak E.	Pyrak Edyta	<b><u>163, 195</u></b>

**R**

Radwańska K.	Radwańska Katarzyna	<b>114</b>
Rejmak E.	Rejmak Emilia	<b>132</b>
Rędowicz M.J.	Rędowicz Maria Jolanta	<b>118, 168</b>
Riegel M.	Riegel Monika	<b>101, 169, 170, 227</b>
Rode W.	Rode Wojciech	<b>130</b>
Rogujski P.	Rogujski Piotr	<b>152</b>
Roszkowska M.	Roszkowska Matylda	<b>14, 153, 171</b>

Roura A.-J.	Roura Adria-Jaume	<b>194</b>
Róg J.	Róg Justyna	<b>73, 173</b>
Ruszczycki B.	Ruszczycki Błażej	<b>14, 38</b>
Rutkowska N.	Rutkowska Natalia	<b>174</b>
Rzepecki M.	Rzepecki Marek	<b>224</b>

## S

Salamian A.	Salamian Ahmad	<b>114</b>
Samsel Z.	Samsel Zuzanna	<b>143</b>
Sas-Nowosielska H.	Sas-Nowosielska Hanna	<b>31, 75</b>
Sekretarska J.	Sekretarska Justyna	<b>143</b>
Sęk A.	Sęk Aleksandra	<b>92</b>
Shahbazi S.	Shahbazi Sajad	<b>178, 179</b>
Sikora E.	Sikora Ewa	<b>34, 39, 50, 64, 108, 124, 165, 180, 191</b>
Simões I.C.M.	Simões Ines C.M.	<b>3, 95</b>
Skup M.	Skup Małgotzata	<b>62, 76, 88</b>
Sobczyński M.	Sobczyński Maciej	<b>146, 182, 183</b>
Sokołowska P.	Sokołowska Patrycja	<b>185</b>
Stańczyk M.	Stańczyk Magdalena	<b>82, 198</b>
Stefaniuk M.	Stefaniuk Marzena	<b>4, 203</b>
Stefanowska A.	Stefanowska Aleksandra	<b>220</b>
Stępińska O.	Stępińska Oksana	<b>190</b>
Stępkowski D.	Stępkowski Dariusz	<b>84, 225</b>
Stępniak D.	Stępniak Dawid	<b>226</b>
Strzelecka-Gołaszewska H.	Strzelecka-Gołaszewska Hanna	<b>225</b>
Strzelecka-Kiliszek A.	Strzelecka-Kiliszek Agnieszka	<b>68, 141, 215, 223</b>
Strzeszewska-Potyrała A.	Strzeszewska-Potyrała Anna	<b>34</b>
Stukan I.	Stukan Iga	<b>192</b>
Sumara G.	Sumara Grzegorz	<b>125, 229</b>
Sunderland P.	Sunderland Piotr	<b>64, 180</b>
Suski S.	Suski Szymon	<b>17, 141, 177</b>
Swatler J.	Swatler Julian	<b>49, 193, 226</b>
Szadkowska P.	Szadkowska Paulina	<b>74, 194</b>
Szczepanik M.	Szczepanik Michał	<b>97, 170</b>
Szczepankiewicz A.A.	Szczepankiewicz Andrzej Antoni	<b>62, 75, 99</b>
Szczuka A.	Szczuka Anna	<b>67, 102</b>
Szczypiński J.J.	Szczypiński Jan Józef	<b>148, 197</b>
Szeląg E.	Szeląg Elżbieta	<b>82, 198</b>
Szewczyk A.	Szewczyk Adam	<b>25, 92, 93, 110, 111, 112, 147, 220, 221, 222</b>
Szymański J.	Szymański Jędrzej	<b>5</b>
Szymaszek A.	Szymaszek Aneta	<b>82, 198</b>

## Ś

Śliwińska M.A.	Śliwińska Małgorzata Alicja	<b>34, 64, 75, 212</b>
Świątkowska A.	Świątkowska Anna	<b>209</b>

## T

Targońska A.	Targońska Alicja	<b>34</b>
Tepper B.	Tepper Beata	<b>10</b>
Topcu Ç.	Topcu Çagdas	<b>208</b>
Topolewska M.	Topolewska Małgorzata	<b>118</b>
Tracz-Gaszewska Z.	Tracz-Gaszewska Zuzanna	<b>60</b>
Traczyk G.	Traczyk Gabriela	<b>209</b>
Trzaskoma P.	Trzaskoma Paweł	<b>75</b>
Turos-Korgul L.	Turos-Korgul Laura	<b>49, 193, 210</b>

## U

Urban-Ciećko J.	Urban-Ciećko Joanna	7, 8, 43
Urbańska P.	Urbańska Paulina	13

## W

Waleszczyk W.J.	Waleszczyk Wioletta J.	155
Walewska A.	Walewska Agnieszka	220, 221, 222
Waligóra M.	Waligóra Marek	151
Want A.	Want Andrew	136, 192
Wawro B.	Wawro Barbara	225
Weremiejczyk L.	Weremiejczyk Lilianna	141, 223
Węsierska M.	Węsierska Małgorzata	55, 108, 217
Wiech M.	Wiech Milena	49, 226
Wierzba M.	Wierzba Małgorzata	48, 101, 169, 170, 219, 227
Wierzbicka A.	Wierzbicka Agnieszka	155
Więckowska-Gacek A.	Więckowska-Gacek Angelika	136
Więckowski M.R.	Więckowski Mariusz Roman	3, 21, 30, 36, 95, 138, 139, 149, 164, 204, 213, 216
Wilczyński G.M.	Wilczyński Grzegorz M.	71, 75
Winiarski M.	Winiarski Maciej	160, 162, 228
Wit M.	Wit Magdalena	229
Włodarczyk J.	Włodarczyk Jakub	14, 15, 38, 45, 57, 108, 153
Włoga D.	Włoga Dorota	13, 143
Wojciechowski J.	Wojciechowski Jakub	54, 69, 237
Wojda U.	Wojda Urszula	125, 136, 192, 193, 231
Wojnicki K.	Wojnicki Kamil	194
Wojtaś B.	Wojtaś Bartosz	2, 74, 75, 83, 88, 145, 194
Wojton D.	Wojton Dominika	118
Wolny A.	Wolny Artur	34
Wołczyk M.	Wołczyk Magdalena	49
Wołyniak M.	Wołyniak Maria	162
Worch R.	Worch Remigiusz	109
Wójcik D.K.	Wójcik Daniel Krzysztof	1, 113, 115, 205, 217
Wójcik M.	Wójcik Marta	127
Wójtowicz T.	Wójtowicz Tomasz	57
Wrzosek A.	Wrzosek Antoni	111, 112, 232
Wypych M.	Wypych Marek	97, 107, 157, 169, 170, 186, 197
Wypych T.P.	Wypych Tomasz Piotr	24, 65

## Y

Yushkevich Y.	Yushkevich Yana	75
---------------	-----------------	----

## Z

Zabłocki K.	Zabłocki Krzysztof	190
Zakerali T.	Zakerali Tara	178, 179
Zakrzewska R.	Zakrzewska Renata	43, 44, 155
Zaremba D.	Zaremba Dominika	80
Zaręba-Kozioł M.	Zaręba-Kozioł Monika	234
Zawadzka M.	Zawadzka Małgorzata	63
Zdioruk M.	Zdioruk Mykola	192
Zieliński Z.	Zieliński Zbigniew	39
Ziemińska A.	Ziemińska Aleksandra	210
Ziółkowska M.	Ziółkowska Magdalena	114

## Ż

Żochowska A.	Żochowska Anna	236
Żochowska M.	Żochowska Monika	112, 232