

## SPIS PUBLIKACJI

*INSTYTUTU BIOLOGII DOŚWIADCZALNEJ  
IM. M. NENCKIEGO PAN  
ZA ROK 2006*

1. **Balcerzak M., Bandorowicz-Pikuła J., Buchet R., Pikuła S.** (2006)  
A novel retinoid binding property of human annexin A6.  
FEBS Lett., **580**, 3065-3069
2. **Balcerzak M., Pikuła S., Buchet R.** (2006)  
Phosphorylation-dependent phospholipase D activity of matrix vesicles.  
FEBS Lett., **580**, 5676-5680
3. **Bednarek D. B., Tarnowski A., Grabowska A.** (2006)  
Latencies of stimulus-driven eye movements are shorter in dyslexic subjects.  
Brain Cogn., **60**, 64-69
4. **Belyaeva E. A., Dymkowska D., Więckowski M. R., Wojtczak L.** (2006)  
Reactive oxygen species produced by the mitochondrial respiratory chain are involved in Cd<sup>2+</sup> - induced injury of rat ascites hepatoma AS-30D cells.  
Biochim. Biophys. Acta, **1757**, 1568-1574
5. **Biele C., Grabowska A.** (2006)  
Sex differences in perception of emotion intensity in dynamic and static facial expressions.  
Exp. Brain Res., **171**, 1-6
6. **Błaszczyk J. W., Michalski A.** (2006)  
Ageing and postural stability.  
Studies in Physical Culture and Tourism, **13**, Suppl., 11-14
7. **Blazejczyk M., Wojda U., Sobczak A., Spilker C., Bernstein H. G., Gundelfinger E. D., Kreutz M. R., Kuźnicki J.** (2006)  
Ca<sup>2+</sup>-independent binding and cellular expression profiles question a significant role of calmyrin in transduction of Ca<sup>2+</sup>-signals to Alzheimer's disease-related presenilin 2 in forebrain.  
Biochim. Biophys. Acta, **1762**, 66-72
8. **Boncela J., Smolarczyk K., Wyroba E., Cierniewski C. S.** (2006)  
Binding of PAI-1 to endothelial cells stimulated by thymosin  $\beta$ 4 and modulation of their fibrinolytic potential.  
J. Biol. Chem., **281**, 1066-1072
9. **Borovikov Y. S., Kulikova N., Pronina O. E., Khaimina S. S., Wrzosek A., Dąbrowska R.** (2006)  
Caldesmon freezes the structure of actin filaments during the actomyosin ATPase cycle.

- Biochim. Biophys. Acta, **1764**, 1054-1062
10. **Brzyska M., Trześniewska K., Gers T., Elbaum D.** (2006)  
Discrete conformational changes as regulators of the hydrolytic properties of beta-amyloid (1-40).  
FEBS J., **273**, 5598-5611
  11. **Celichowski J., Mrówczyński W., Krutki P., Górska T., Majczyński H., Sławińska U.** (2006)  
Changes in contractile properties of motor units of the rat medial gastrocnemius muscle after spinal cord transection.  
Exp. Physiol., **91**, 887-895
  12. **Chmurzyński J. A.** (2006)  
Life in time and time in life. From biological time to time in culture.  
Archaeol. Pol., **44**, 95-120
  13. **Churchfield S., Rychlik L., Yavrouyan E., Turlejski K.** (2006)  
First results on the feeding ecology of the transcaucasian water shrew Neomys teres (Soricomorpha: Soricidae) from Armenia.  
Can. J. Zool., **84**, 1853-1858
  14. **Cieśla J.** (2006)  
Metabolic enzymes that bind RNA: yet another level of cellular regulatory network ?  
Acta Biochim. Pol., **53**, 11-32
  15. **Cieśla J., Frączyk T., Zieliński Z., Sikora J., Rode W.** (2006)  
Altered mouse leukemia L1210 thymidylate synthase, associated with cell resistance to 5-fluoro-dUrd, is not mutated but rather reflects posttranslational modification.  
Acta Biochim. Pol., **53**, 189-198
  16. **Cnops L., Hu T. T., Burnat K., Van der Gucht E., Arckens L.** (2006)  
Age-dependent alterations in CRMP2 and CRMP4 protein expression profiles in cat visual cortex.  
Brain Res., **1088**, 109-119
  17. **Cybulska-Kłosowicz A., Kossut M.** (2006)  
Early-phase of learning enhances communication between brain hemispheres.  
Eur. J. Neurosci., **24**, 1470-1476
  18. **Cybulska-Kłosowicz A., Kossut M.** (2006)  
Oddziaływanie międzypółkulowe w procesach neuroplastycznych.  
Neuropsychiatr. Neuropsychol., **1**, 15-23
  19. **Dąbrowska M., Hendrikx P. J., Skierski J., Malinowska M., Bertino J. R., Rode W.** (2006)

- EGFP fluorescence as an indicator of cancer cells response to methotrexate.  
*Eur. J. Pharmacol.*, **555**, 93-99
20. **Dąbrowski M., Adach A., Aerts S., Moreau Y., Kamińska B.** (2006)  
 Identification of conserved modes of expression profiles during hippocampal development and neuronal differentiation in vitro.  
*J. Neurochem.*, **97** (suppl. 1), 87-91
  21. **Dąbrowski M., Aerts S., Kamińska B.** (2006)  
 Prediction of a key role of motifs binding E2F and NR2F in down-regulation of numerous genes during the development of the mouse hippocampus.  
*BMC Bioinformatics*, **7**, 367-380 (<http://www.biomedcentral.com/1471-2105/7/367>)
  22. **Detka D., Kalita K., Kaczmarek L.** (2006)  
 Activation function 1 domain plays a negative role in dimerization of estrogen receptor beta.  
*J. Steroid Biochem. Mol. Biol.*, **99**, 157-160
  23. **Djavadian R., Bisti S., Maccarone R., Bartkowska K., Turlejski K.** (2006)  
 Development and plasticity of the retina in the opossum *Monodelphis domestica*.  
*Acta Neurobiol. Exp.*, **66**, 179-188
  24. **Duszyński J., Koziel R., Brutkowski W., Szczepanowska J., Zabłocki K.** (2006)  
 The regulatory role of mitochondria in capacitative calcium entry.  
*Biochim. Biophys. Acta*, **1757**, 380-387
  25. **Dymkowska D., Szczepanowska J., Więckowski M. R., Wojtczak L.** (2006)  
 Short-term and long-term effects of fatty acids in rat hepatoma As-30D cells: the way to apoptosis.  
*Biochim. Biophys. Acta*, **1763**, 152-163
  26. **Dzik J. M.** (2006)  
 Molecules released by helminth parasites involved in host colonization.  
*Acta Biochim. Pol.*, **53**, 33-64
  27. **Dzik J. M., Zieliński Z., Gołos B., Walajtys-Rode E.** (2006)  
*Trichinella spiralis* infection affects p47<sup>phox</sup> protein expression in guinea-pig alveolar macrophages.  
*Exp. Parasitol.*, **112**, 158-163
  28. **Filipek A.** (2006)  
 S100A6 and CacyBP/SIP – two proteins discovered in Ehrlich ascites tumor cells that are potentially involved in the degradation of β-catenin.  
*Chemotherapy*, **52**, 32-34
  29. **Filipkowski R. K., Knapska E., Kaczmarek L.** (2006)

- c-Fos and Zif268 in learning and memory – studies on expression and function.
- W: Immediate early genes in sensory processing cognitive performance and neurological disorders. Ed. by Pinaud R., Tremere L. A. Berlin 2006, Springer Verlag, 137-158
30. **Galińska-Rakoczy A., Jachimska B., Strzelecka-Gołaszewska H. (2006)**  
Mechanism of actin polymerization by myosin subfragment-1 probed by dynamic light scattering.  
*Bioelectrochemistry*, **70**, 53-57
  31. **Garnier N. B., Wójcik D. K. (2006)**  
Spatiotemporal chaos: the microscopic perspective.  
*Phys. Rev. Lett.*, **96**, 114101  
(<http://link.aps.org/abstract/PRL/v96/e114101>)
  32. **Godzińska E. J. (2006)**  
Definicja i cele poznawcze w neurosocjobiologii.  
*Kosmos*, **55**, 137-148
  33. **Grabowska A., Rymarczyk K. (2006)**  
Czy możliwa jest dobra diagnoza dyslekci ?  
Biuletyn Informacyjny Oddziału Warszawskiego. Polskie Towarzystwo Dysleksji, **31**, 22-30
  34. **Groves P., Palczewska M., Kuźnicki J. (2006)**  
Calretinin, an EF-hand calcium-binding protein, binds zinc and copper.  
*Calcium Binding Proteins*, **1**, 156-159
  35. **Groves P., Strzelecka-Kiliszek A., Canales A., Pikuła S., Bandorowicz-Pikula J., Jimenez-Barbero J. (2006)**  
NMR spectroscopy as a tool in annexin research.  
*Calcium Binding Proteins*, **1**, 20-25
  36. **Hordejuk R., Szewczyk A., Dołowy K. (2006)**  
The heterogeneity of ion channels in chromaffin granule membranes.  
*Cell. Mol. Biol. Lett.*, **11**, 312-325
  37. **Jablonka J., Kossut M. (2006)**  
Focal stroke in the barrel cortex of rats enhances ipsilateral response to vibrissal input.  
*Acta Neurobiol. Exp.*, **66**, 261-266
  38. **Jagielski J., Kubiczek-Jagielska M., Sobstel M., Koziara H., Błaszczyk J., Ząbek M., Zaleski M. (2006)**  
Obiektywna ocena układu równowagi w badaniu posturograficznym u pacjentów z chorobą Parkinsona leczonych operacyjnie. Doniesienie wstępne.  
*Neurol. Neurochir. Pol.*, **40**, 127-133

39. **Jasińska M., Siucińska E., Głażewski S., Pyza E., Kossut M.** (2006)  
 Characterization and plasticity of the double synapse spines in the barrel cortex of the mouse.  
*Acta Neurobiol. Exp.*, **66**, 99-104
40. **Jaworski T.** (2006)  
 Degradation and beyond: control of androgen receptor activity by the proteasome system.  
*Cell. Mol. Biol. Lett.*, **11**, 109-131
41. **Kamińska B.** (2006)  
 Od wzorów ekspresji genów i motywów regulatorowych do predykcji i modelowania ekspresji genów w prawidłowym i patologicznym mózgu.  
 W: Proteomika i genomika w biologii i medycynie. XXIII Zimowa Szkoła Instytutu Farmakologii PAN, Kraków 2006. Red. Przewłocka B., Kraków 2006, Inst. Farmakol. PAN, 31-39
42. **Kamińska B., Zawadzka M., Szydłowska K., Wiśniewski P.** (2006)  
 Anti-inflammatory and anti-cytotoxic action of neuroprotective immunosuppressants.  
*Int. J. Neuroprot. Neuroregener.*, **2**, 95-102
43. **Kirilenko A., Pikuła S., Bandorowicz-Pikuła J.** (2006)  
 Effects of mutagenesis of W343 in human annexin A6 isoform 1 on its interaction with GTP: nucleotide-induced oligomer formation and ion channel activity.  
*Biochemistry*, **45**, 4965-4973
44. **Kirillina V. P., Jakubiec-Puka A., Borovikov Y. S.** (2006)  
 The influence of caldesmon on strong binding of myosin with actin in denervated rat skeletal muscles. (in Russian)  
*Tsitologija*, **48**, 554-559
45. **Kłopocka W., Wierzbicka K., Pomorski P., Krzemieński P., Wasik A.** (2006)  
 Cofilin-like protein influences the motility of Amoeba proteus.  
*Acta Protozool.*, **45**, 449-454
46. **Knapska E., Nikolaev E., Boguszewski P., Walasek G., Błaszczyk J., Kaczmarek L., Werka T.** (2006)  
 Between-subject transfer of emotional information evokes specific pattern of amygdala activation.  
*Proc. Natl. Acad. Sci. USA*, **103**, 3858-3862
47. **Knapska E., Walasek G., Nikolaev E., Neuhäusser-Wespy F., Lipp H. P., Kaczmarek L., Werka T.** (2006)  
 Differential involvement of the central amygdala in appetitive versus aversive learning.  
*Learn. Mem.*, **13**, 192-200
48. **Kocik E., Sobczak M., Rędowicz M. J.** (2006)

- Codon usage in Amoeba proteus significantly differs from Entamoeba histolytica and Acanthamoeba castellanii.  
Acta Protozool., **45**, 313--316
49. **Kossut M.** (2006)  
Co to jest neuroplastyczność ?  
W: Poznanie. Nauka. Piekno. Pod red. Gajdy-Krynickiej J. Wrocław 2006, Wydaw. Univ. Wrocław. , 111-117 (Studium Generale. Seminaria Interdyscyplinarne, T. 11: 2006 – materiały z roku akademickiego 2005/2006)
50. **Kowalska J., Szelag E.** (2006)  
The effect of congenital deafness on duration judgment.  
J. Child Psychol. Psychiatry, **47**, 946-953
51. **Koziel R., Zabłocki K., Duszynski J.** (2006)  
Calcium signals are affected by ciprofloxacin as a consequence of reduction of mitochondrial DNA content in Jurkat cells.  
Antimicrob. Agents Chemother., **50**, 1664-1671
52. **Kublik E., Sara S. J.** (2006)  
Aktywności przyśrodkowej kory czołowej szczura podczas treningu dyskryminacji węchowej – rejestracja pojedynczych komórek.  
Acta Univ. Lodzien. Folia Biol. Oecol., **3**, 169-178,
53. **Kulikowa N., Pronina O. E., Dąbrowska R., Borovikov Y. S.** (2006)  
Caldesmon restricts the movement of both C – and N - termini of tropomyosin on F – actin in ghost fibers during the actomyosin ATPase cycle.  
Biochem. Biophys. Res. Commun., **345**, 280-286
54. **Lahtinen L., Łukasiuk K., Pitkänen A.** (2006)  
Increased expression and activity of urokinase-type plasminogen activator during epileptogenesis.  
Eur. J. Neurosci., **24**, 1935-1945
55. **Leśniak W., Kuźnicki J.** (2006)  
Binding and functional characteristics of two E-box motifs within the S100A6 (calcyclin) gene promoter.  
J. Cell. Biochem., **97**, 1017-1024
56. **Lukasiuk K., Dąbrowski M., Adach A., Pitkänen A.** (2006)  
Epileptogenesis-related genes revisited.  
Progr. Brain Res., **158**, 223-241
57. **Magalska A., Brzezińska A., Bielak-Żmijewska A., Piwocka K., Mosieniak G., Sikora E.** (2006)  
Curcumin induces cell death without oligonucleosomal DNA fragmentation in quiescent and proliferating human CD8+ cells.  
Acta Biochim. Pol., **53**, 531-538

58. **Magalska A., Śliwińska M., Szczepanowska J., Salvioli S., Franceschi C., Sikora E.** (2006)  
 Resistance to apoptosis of HCW-2 cells can be overcome by curcumin- or vincristine-induced mitotic catastrophe.  
*Int. J. Cancer*, **119**, 1811-1818
59. **Majczyński H., Cabaj A., Sławińska U., Górska T.** (2006)  
 Intrathecal administration of yohimbine impairs locomotion in intact rats.  
*Behav. Brain Res.*, **175**, 315-322
60. **Malekova L., Kominkova V., Ferko M., Stefanik P., Krizanova O., Ziegelhoff A., Szewczyk A., Ondrias K.** (2006)  
 Bonkrekic acid and atracyloside inhibits chloride channels from mitochondrial membranes of rat heart.  
*Biochim. Biophys. Acta*, **1767**, 31-44
61. **Martin B. M., Karczewska E., Pliszka B.** (2006)  
 Effect of nucleotide on interaction of the 567-578 segment of myosin heavy chain with actin.  
*Biochim. Biophys. Acta*, **1764**, 217-222
62. **Mayevska O., Shuvayeva H., Igumentseva N., Havrylov S., Basaraba O., Bobak Y., Barska M., Volod'ko N., Barańska J., Buchman V., Drobot L.** (2006)  
 Expression of adaptor protein Ruk/CIN85 isoforms in cell lines of various tissue origins and human melanoma.  
*Exp. Oncol.*, **28**, 275-281
63. **Meyza K. Z., Sotowska-Brochocka J.** (2006)  
 Photoperiod affects distribution of dynorphin A in the brain of Siberian hamster.  
*Acta Neurobiol. Exp.*, **66**, 207-213
64. **Michałuk P., Rylski M., Kaczmarek L.** (2006)  
 Proteomika proteaz na przykładzie możliwej roli MMP-9 w plastyczności synaptycznej.  
 W: Proteomika i genomika w biologii i medycynie. XXIII Zimowa Szkoła Instytutu Farmakologii PAN, Kraków 2006. Red. Przewłocka B., Kraków 2006, Inst. Farmakol. PAN, 79-89
65. **Michowski W., Bojarski Ł., Kuźnicki J.** (2006)  
 Przekazywanie sygnałów przez wewnętrzkomórkową proteolizę.  
 W: Proteomika i genomika w biologii i medycynie. XXIII Zimowa Szkoła Instytutu Farmakologii PAN, Kraków 2006. Red. Przewłocka B., Kraków 2006, Inst. Farmakol. PAN, 91-99
66. **Mierzejewski P., Siemiatkowski M., Radwańska K., Szyndler J., Bieńkowski P., Stefański R., Kaczmarek L., Kostowski W.** (2006)  
 Cycloheximide impairs acquisition but not extinction of cocaine self-administration.

- Neuropharmacology, **51**, 367-373
67. **Mosieniak G., Śliwińska M., Piwocka K., Sikora E.** (2006)  
 Curcumin abolishes apoptosis resistance of calcitriol-differentiated HL-60 cells.  
*FEBS Lett.*, **580**, 4653-4660
68. **Nagy V., Bozdagi O., Matynia A., Balcerzyk M., Okulski P., Dzwonek J., Costa R. M., Silva A.J., Kaczmarek L., Huntley G. W.** (2006)  
 Matrix metalloproteinase-9 is required for hippocampal late-phase long-term potentiation and memory.  
*J. Neurosci.*, **26**, 1923-1934
69. **Niewiadomska G., Baksalerska-Pazera M., Gąsiorowska A., Mietelska A.** (2006)  
 Nerve growth factor differentially affects spatial and recognition memory in aged rats.  
*Neurochem. Res.*, **31**, 1481-1490
70. **Niewiadomska G., Baksalerska-Pazera M., Lenarcik I., Riedel G.** (2006)  
 Compartmental protein expression of Tau, GSK-3 $\beta$  and TrkA in cholinergic neurons of aged rats.  
*J. Neural Transm.*, **113**, 1733-1746
71. **Niewiadomska G., Baksalerska-Pazera M., Riedel G.** (2006)  
 Cytoskeletal transport in the aging brain: focus on the cholinergic system.  
*Rev. Neurosci.*, **17**, 581-618
72. **Nieznański K., Podlubnaya Z. A., Nieznańska H.** (2006)  
 Prion protein inhibits microtubule assembly by inducing tubulin oligomerization.  
*Biochem. Biophys. Res. Commun.*, **349**, 391-399
73. **Nowicka A., Marchewka A., Szatkowska I.** (2006)  
 Laterization of repetition effects in event-related potentials to words in left- and right-handed women.  
*Neurosci. Lett.*, **393**, 150-154
74. **Nowicka D.** (2006)  
 Wędrówki receptorów jonotropowych – do synapsy i z powrotem.  
*Post. Bioch.*, **52**, 351-359
75. **Nowis D., Legat M., Grzela T., Niderla J., Wilczek E., Wilczyński G. M., Głodkowska E., Mrówka P., Issat T., Dulak J., Józkowicz A., Waś H., Adamek M., Wrzosek A., Nazarewski S., Makowski M., Stokłosa T., Jakóbisiak M., Gołąb J.** (2006)  
 Heme oxygenase-1 protects tumor cells against photodynamic therapy-mediated cytotoxicity.  
*Oncogene*, **25**, 3365-3374

76. *Paróczy Z., Nagy, A., Markus Z., Waleszczyk W. J., Wypych M., Benedek G. (2006)*  
 Spatial and temporal visual properties of single neurons in the suprageniculate nucleus of the thalamus.  
*Neuroscience*, **137**, 1397-1404
77. *Pinaud R., Filipkowski R. K., Fortes A. F., Tremere L. A. (2006)*  
 Immediate early gene expression in the primary somatosensory cortex: focus on the barrel cortex.  
 W: *Immediate early genes in sensory processing, cognitive performance and neurological disorders*. Ed. by Pinaud R., Tremere L. A. Berlin 2006, Springer Verlag, 73-92
78. *Piwocka K., Vejda S., Cotter T. G., O'Sullivan G. C., McKenna S. L. (2006)*  
 Bcr-Abl reduces endoplasmic reticulum releasable calcium levels by a Bcl-2-independent mechanisms and inhibits calcium-dependent apoptotic signaling.  
*Blood*, **107**, 4003-4010
79. *Radwańska K., Valjent E., Trzaskos J., Caboche J., Kaczmarek L. (2006)*  
 Regulation of cocaine-induced activator protein 1 transcription factors by the extracellular signal-regulated kinase pathway.  
*Neuroscience*, **137**, 253-264
80. *Reuther C., Hajdo Ł., Tucker R., Kasprzak A. A., Diez S. (2006)*  
 Biotemplated nanopatterning of planar surfaces with molecular motors.  
*Nano Lett.*, **6**, 2177-2183
81. *Rutkowski R., Rejt Ł., Szczuka A. (2006)*  
 Analysis of microsatellite polymorphism and genetic differentiation in Urban and Rural Kestrels Falco tinnunculus (L.).  
*Pol. J. Ecol.*, **54**, 473-480
82. *Rymarczyk K., Grabowska A. (2006)*  
 Sex differences in brain control of prosody.  
*Neuropsychologia*, **45**, 921-930
83. *Sikora E., Bielak-Żmijewska A., Magalska A., Piwocka K., Mosieniak G., Kalinowska M., Widlak P., Cymerman I. A., Bujnicki J. M. (2006)*  
 Curcumin induces caspase-3-dependent apoptotic pathway but inhibits DNA fragmentation factor 40/caspase-activated DNase endonuclease in human Jurkat cells.  
*Mol. Cancer Ther.*, **5**, 927-934
84. *Siucińska E. (2006)*  
 GAD67-positive puncta: contributors to learning-dependent plasticity in the barrel cortex of adult mice.  
*Brain Res.*, **1106**, 52-62

85. **Siucińska E., Kossut M.** (2006)  
 Short-term sensory learning does not alter parvalbumin neurons in the barrel cortex of adult mice: a double-labeling study.  
*Neuroscience*, **138**, 715-724
86. **Skalska J., Dębska-Vielhaber G., Głab M., Kulawiak B., Malińska D., Koszela-Piotrowska I., Bednarczyk P., Dołowy K., Szewczyk A.** (2006)  
 Mitochondrialne kanały jonowe.  
*Post. Bioch.*, **52**, 137-144
87. **Sobierajska K., Fabczak H., Fabczak S.** (2006)  
 Photosensory transduction in unicellular eukaryotes: a comparison between related ciliates Blepharisma japonicum and Stentor coeruleus and photoreceptor cells of higher organisms.  
*J. Photochem. Photobiol. B.*, **83**, 163-171
88. **Sobiesiak-Mirska J., Nałęcz K. A.** (2006)  
 Palmitoylcarnitine modulates interaction between protein kinase C  $\beta$ II and its receptor RACK1.  
*FEBS J.*, **273**, 1300-1311
89. **Spiechowicz M., Bernstein H. G., Dobrowolny H., Leśniak W., Mawrin C., Bogerts B., Kuźnicki J., Filipiak A.** (2006)  
 Density of Sgt1-immunopositive neurons is decreased in the cerebral cortex of Alzheimer's disease brain.  
*Neurochem. Int.*, **49**, 487-493
90. **Surmacz L., Wiejak J., Wyroba E.** (2006)  
 Cloning of two genes encoding Rab7 in Paramecium.  
*Acta Biochim. Pol.*, **53**, 149-156
91. **Szabadkai G., Bianchi K., Várnai P., De Stefani D., Więckowski M. R., Cavagna D., Nagy A. I., Balla T., Rizzuto R.** (2006)  
 Chaperone-mediated coupling of endoplasmic reticulum and mitochondrial  $\text{Ca}^{2+}$  channels.  
*J. Cell Biol.*, **175**, 901-911
92. **Szewczyk A., Skalska J., Głab M., Kulawiak B., Malińska D., Koszela-Piotrowska I., Kunz W. S.** (2006)  
 Mitochondrial potassium channels: from pharmacology to function.  
*Biochim. Biophys. Acta*, **1757**, 715-720
93. **Szewczyk B., Sowa M., Czupryna A., Wierońska J. M., Brański P., Sadlik K., Opoka W., Piekoszowski W., Śmiałowska M., Skangiel-Kramska J., Pilc A., Nowak G.** (2006)  
 Increase in synaptic hippocampal zinc concentration following chronic but not acute zinc treatment in rats.  
*Brain Res.*, **1090**, 69-75

94. *Szondy Z., Mastroberardino P. G., Váradi J., Farrace M. G., Nagy N., Bak I., Viti I., Więckowski M. R., Melino G., Rizzuto R., Tasaki A., Fesus L., Piacentini M.* (2006)  
 Tissue transglutaminase (TG2) protects cardiomyocytes against ischemia/reperfusion injury by regulating ATP synthesis.  
*Cell Death Differ.*, **13**, 1827-1829
95. *Szydłowska K., Kamińska B., Baude A., Parsons C. G., Danysz W.* (2006)  
 Neuroprotective activity of selective mGlu1 and mGlu5 antagonists in vitro and in vivo.  
*Eur. J. Pharmacol.*, **554**, 18-29
96. *Szydłowska K., Zawadzka M., Kamińska B.* (2006)  
 Neuroprotectant FK506 inhibits glutamate-induced apoptosis of astrocytes in vitro and in vivo.  
*J. Neurochem.*, **99**, 965-975
97. *Szymaszek A., Szeląg E., Śliwowska M.* (2006)  
 Auditory perception of temporal order in humans: the effect of age, gender, listener practice and stimulus presentation mode.  
*Neurosci. Lett.*, **403**, 190-194
98. *Szymczak S., Kalita K., Jaworski J., Mioduszewska B., Savonenko A., Markowska A., Merchenthaler I., Kaczmarek L.* (2006)  
 Increased estrogen receptor  $\beta$  expression correlates with decreased spine formation in the rat hippocampus.  
*Hippocampus*, **16**, 453-463
99. *Śliwa M., Markowic D., Garbusiewicz K., Synowitz M., Glass R., Zawadzka M., Wesołowska A., Kettenmann H., Kamińska B.* (2006)  
 The invasion promoting effect of microglia on glioblastoma cells is inhibited by cyclosporin A.  
*Brain*, **130**, 476-489
100. *Tararuk T., Östman N., Li W., Björkblom B., Padzik A., Zdrojewska J., Hongisto V., Herdegen T., Konopka W., Courtney M. J., Coffey E. T.* (2006)  
 JNK1 phosphorylation of SCG10 determines microtubule dynamics and axodendritic length.  
*J. Cell Biol.*, **173**, 265-277
101. *Targos B., Pomorski P., Krzemiński P., Barańska J., Rędowicz M. J., Kłopocka W.* (2006)  
 Effect of rho-associated kinase inhibition on actin cytoskeleton structure and calcium response in glioma C6 cells.  
*Acta Biochim. Pol.*, **53**, 825-831
102. *Van den Bergh G., Clerens S., Firestein B. L., Burnat K., Arckens L.* (2006)  
 Development and plasticity-related changes in protein expression patterns in cat visual cortex: a fluorescent two-dimensional difference gel electrophoresis approach.

Proteomics, **6**, 3821-3832

103. **Wagner-Ziemka A., Szczuka A., Korczyńska J., Kieruzel M., Godzińska E. J.** (2006)  
 Behavior of ant-workers of Aphaenogaster senilis (Hymenoptera: Formicidae) during dyadic nestmate reunion tests carried out after a period of social isolation.  
*Sociobiology*, **48**, 281-308
104. **Walerczyk M., Fabczak H., Fabczak S.** (2006)  
 Detection and localization of a putative cyclic-GMP-activated channel protein in the protozoan ciliate Stentor coeruleus.  
*Protoplasma*, **227**, 139-146
105. **Węsierska M., Klinowska H. D., Adamska I., Fresko I., Sadowska J., Albrecht J.** (2006)  
 Cognitive flexibility but not cognitive coordination is affected in rats with toxic liver failure.  
*Behav. Brain Res.*, **171**, 70-77
106. **Więckowski M. R., Szabadkai G., Wasilewski M., Pinton P., Duszyński J., Rizzuto R.** (2006)  
 Overexpression of adenine nucleotide translocase reduces  $\text{Ca}^{2+}$  signal transmission between the ER and mitochondria.  
*Biochem. Biophys. Res. Commun.*, **348**, 393-399
107. **Wilczek E., Mazurkiewicz M., Otto M., Śladowski D., Górnicka B., Wilczyński G. M., Wasiutyński A., Koperski Ł.** (2006)  
 The effect of retinoic acid on primary cultures of human pheochromocytoma cells.  
*Endokrynaol. Pol.*, **57**, Suppl. A, A82-A87
108. **Włoga D., Camba A., Rogowski K., Manning G., Jerka-Dziadosz M., Gaertig J.** (2006)  
 Members of the NIMA-related kinase family promote disassembly of cilia by multiple mechanisms.  
*Mol. Biol. Cell*, **17**, 2799-2810
109. **Wnuk A., Godzińska E. J.** (2006)  
 Wpływ izolacji społecznej na fizjologię i zachowanie się mrówek.  
*Kosmos*, **55**, 177-196
110. **Wojtczak L.** (2006)  
 Dwa oblicza cytochromu C – z historii biochemii.  
*Post. Bioch.*, **52**, 122-128
111. **Wolanin K., Magalska A., Mosieniak G., Klinger R., McKenna S., Vejda S., Sikora E., Piwocka K.** (2006)

- Curcumin affects components of the chromosomal passenger complex and induces mitotic catastrophe in apoptosis-resistant Bcr-Abl-expressing cells.  
*Mol. Cancer Res.*, **4**, 457-469
112. **Woźnicka A., Malinowska M., Kosmal A.** (2006)  
 Cytoarchitectonic organization of the entorhinal cortex of the canine brain.  
*Brain Res. Rev.*, **52**, 346-367
113. **Wójcik D. K.** (2006)  
 Quantum maps with space extent: a paradigm for lattice quantum walks.  
*Int. J. Modern Phys.*, ser. B., **20**, 1969-2017
114. **Yeung D., Zabłocki K., Lien C. F., Jiang T., Arkle S., Brutkowski W., Brown J., Lochmuller H., Simon J., Barnard E. A., Górecki D. C.** (2006)  
 Increased susceptibility to ATP via alteration of P2X receptor function in dystrophic mdx mouse muscle cells.  
*FASEB J.*, **20**, 610-620
115. **Żekanowski C., Golan M. P., Krzyśko K. A., Lipczyńska-Łojkowska W., Filipek S., Kowalska A., Rossa G., Popłońska B., Styczyńska M., Maruszak A., Religa D., Wender M., Kulczycki J., Barcikowska M., Kuźnicki J.** (2006)  
 Two novel presenilin 1 gene mutations connected with frontotemporal dementi-like clinical phenotype: genetic and bioinformatic assessment.  
*Exp. Neurol.*, **200**, 82-88

**Indeks autorów - pracowników  
Instytutu im. M. Nenckiego PAN**

<b>Adach A</b>	<b>20, 56</b>
<b>Adamska I</b>	<b>105</b>
<b>Baksalerska-Pazera M</b>	<b>69-71</b>
<b>Balcerzak M</b>	<b>1-2</b>
<b>Balcerzyk M</b>	<b>68</b>
<b>Bandorowicz-Pikuła J</b>	<b>1, 35, 43</b>
<b>Barańska J</b>	<b>62, 101</b>
<b>Bartkowska K</b>	<b>23</b>
<b>Bednarek D B</b>	<b>3</b>
<b>Bielak-Żmijewska A</b>	<b>57, 83</b>
<b>Błaszczyk J W</b>	<b>6, 38, 46</b>
<b>Boguszewski P</b>	<b>46</b>
<b>Brutkowski W</b>	<b>24, 114</b>
<b>Brzezińska A</b>	<b>57</b>
<b>Brzyska M</b>	<b>10</b>
<b>Burnat K</b>	<b>16, 102</b>
<b>Chmurzyński J A</b>	<b>12</b>
<b>Cieśla J</b>	<b>14-15</b>
<b>Cybulska-Kłosowoicz A</b>	<b>17-18</b>
<b>Czupryn A</b>	<b>93</b>
<b>Dąbrowska M</b>	<b>19</b>
<b>Dąbrowska R</b>	<b>9, 53</b>
<b>Dąbrowski M</b>	<b>20-21, 56</b>
<b>Detka D</b>	<b>22</b>
<b>Djawadjan R</b>	<b>23</b>
<b>Duszyński J</b>	<b>24, 51, 106</b>
<b>Dymkowska D</b>	<b>4, 25</b>
<b>Dzik J M</b>	<b>26-27</b>
<b>Dzwonek J</b>	<b>68</b>
<b>Elbaum D</b>	<b>10</b>
<b>Fabczak H</b>	<b>87, 104</b>
<b>Fabczak S</b>	<b>87, 104</b>
<b>Filipek A</b>	<b>28, 89</b>
<b>Filipkowski R K</b>	<b>29, 77</b>
<b>Fronczyk T</b>	<b>15</b>
<b>Galińska-Rakoczy A</b>	<b>30</b>
<b>Garbusiewicz K</b>	<b>99</b>
<b>Gląb M</b>	<b>86, 92</b>

<b>Godzińska E J</b>	<b>32, 103, 109</b>
<b>Gołos B</b>	<b>27</b>
<b>Górska T</b>	<b>11, 59</b>
<b>Grabowska A</b>	<b>3, 5, 33, 82</b>
<b>Groves P</b>	<b>34</b>
<b>Hajdo Ł</b>	<b>80</b>
<b>Jabłonka J</b>	<b>37</b>
<b>Jakubiec-Puka A</b>	<b>44</b>
<b>Jaworski J</b>	<b>40, 98</b>
<b>Jerka-Dziadosz M</b>	<b>108</b>
<b>Kaczmarek L</b>	<b>22, 29, 46-47, 64, 66, 68, 79, 98</b>
<b>Kalita K</b>	<b>22, 98</b>
<b>Kamińska B</b>	<b>20-21, 41-42, 95-96, 99</b>
<b>Karczewska E</b>	<b>61</b>
<b>Kasprzak A A</b>	<b>80</b>
<b>Kieruzel M</b>	<b>103</b>
<b>Kirylenko A</b>	<b>43</b>
<b>Klinger R</b>	<b>111</b>
<b>Kłopocka W</b>	<b>45, 101</b>
<b>Knapska E</b>	<b>29, 46-47</b>
<b>Kocik E</b>	<b>48</b>
<b>Konopka W</b>	<b>100</b>
<b>Korczyńska J</b>	<b>103</b>
<b>Kosmal A</b>	<b>112</b>
<b>Kossut M</b>	<b>17-18, 37, 39, 49, 85</b>
<b>Koszela-Piotrowska I</b>	<b>86, 92</b>
<b>Kowalska J</b>	<b>50</b>
<b>Koziel R</b>	<b>24, 51</b>
<b>Krzemiński P</b>	<b>45, 101</b>
<b>Kublik E</b>	<b>52</b>
<b>Kulawiak B</b>	<b>86, 92</b>
<b>Kulikowa N</b>	<b>9, 53</b>
<b>Kuźnicki J</b>	<b>7, 34, 55, 65, 89, 115</b>
<b>Lenarcik I</b>	<b>70</b>
<b>Leśniak W</b>	<b>55, 89</b>
<b>Łukasiuk K</b>	<b>54, 56</b>
<b>Magalska A</b>	<b>57-58, 83, 111</b>
<b>Majczyński H</b>	<b>11, 59</b>
<b>Malinowska M</b>	<b>19, 112</b>
<b>Malińska D</b>	<b>86, 92</b>
<b>Marchewka A</b>	<b>73</b>
<b>Meyza K Z</b>	<b>63</b>
<b>Michalski A</b>	<b>6</b>
<b>Michałuk P</b>	<b>64</b>

<b>Michowski W</b>	<b>65</b>
<b>Mietelska A</b>	<b>69</b>
<b>Mioduszewska B</b>	<b>98</b>
<b>Mosieniak G</b>	<b>57, 67, 83, 111</b>
<b>Nałęcz K A</b>	<b>88</b>
<b>Niewiadomska G</b>	<b>69-71</b>
<b>Nieznańska H</b>	<b>72</b>
<b>Nieznański K</b>	<b>72</b>
<b>Nikolajev E</b>	<b>46-47</b>
<b>Nowicka A</b>	<b>73</b>
<b>Nowicka D</b>	<b>74</b>
<b>Okulski P</b>	<b>68</b>
<b>Palczewska M</b>	<b>34</b>
<b>Pikuła S</b>	<b>1-2, 35, 43</b>
<b>Piwocka K</b>	<b>57, 67, 78, 83, 111</b>
<b>Pliszka B</b>	<b>61,</b>
<b>Pomorski P</b>	<b>45, 101</b>
<b>Radwańska K</b>	<b>66, 79</b>
<b>Rędowicz M J</b>	<b>48, 101</b>
<b>Rode W</b>	<b>15, 19</b>
<b>Rylski M</b>	<b>64</b>
<b>Rymarczyk K</b>	<b>33, 82</b>
<b>Sadowska J</b>	<b>105</b>
<b>Sikora E</b>	<b>57-58, 67, 83, 111</b>
<b>Siucińska E</b>	<b>39, 84-85</b>
<b>Skalska J</b>	<b>86, 92</b>
<b>Skangiel-Kramska J</b>	<b>93</b>
<b>Sławińska U</b>	<b>11, 59</b>
<b>Śliwa M</b>	<b>99</b>
<b>Śliwińska M</b>	<b>58, 67</b>
<b>Śliwowska M</b>	<b>97</b>
<b>Sobczak M</b>	<b>48</b>
<b>Sobierajska K</b>	<b>87</b>
<b>Sobiesiak-Mirska J</b>	<b>88</b>
<b>Sotowska-Brochocka J</b>	<b>63</b>
<b>Spiechowicz M</b>	<b>89</b>
<b>Strzelecka-Gołaszewska H</b>	<b>30</b>
<b>Strzelecka-Kiliszek A</b>	<b>35</b>
<b>Surmacz L</b>	<b>90</b>
<b>Synowitz M</b>	<b>99</b>
<b>Szatkowska I</b>	<b>73</b>
<b>Szczepanowska J</b>	<b>24-25, 58</b>
<b>Szczuka A</b>	<b>81, 103</b>
<b>Szeląg E</b>	<b>50, 97</b>
<b>Szewczyk A</b>	<b>36, 60, 86, 92</b>

<b>Szydłowska K</b>	<b>42, 95-96</b>
<b>Szymaszek A</b>	<b>97</b>
<b>Szymczak S</b>	<b>98</b>
<b>Targos B</b>	<b>101</b>
<b>Trześniewska K</b>	<b>10</b>
<b>Turlejski K</b>	<b>13, 23</b>
<b>Wagner-Ziemka A</b>	<b>103</b>
<b>Walasek G</b>	<b>46-47</b>
<b>Walerczyk M</b>	<b>104</b>
<b>Waleszczyk W J</b>	<b>76</b>
<b>Wasik A</b>	<b>45,</b>
<b>Wasilewski M</b>	<b>106</b>
<b>Werka T</b>	<b>46-47</b>
<b>Węsierska M</b>	<b>105</b>
<b>Wesołowska A</b>	<b>99</b>
<b>Więckowski M R</b>	<b>4, 25, 91, 94, 99, 106</b>
<b>Wiejak J</b>	<b>90</b>
<b>Wierzbicka K</b>	<b>45</b>
<b>Wilczyński G M</b>	<b>107</b>
<b>Wiśniewski P</b>	<b>42</b>
<b>Wnuk A</b>	<b>109</b>
<b>Wójcik D K</b>	<b>31, 113</b>
<b>Wojtczak L</b>	<b>4, 25, 110</b>
<b>Wolanin K</b>	<b>111</b>
<b>Woźnicka A</b>	<b>112</b>
<b>Wrzosek A</b>	<b>9, 75</b>
<b>Wypych M</b>	<b>76</b>
<b>Wyroba E</b>	<b>8, 90</b>
<b>Zabłocki K</b>	<b>24, 51, 114</b>
<b>Zawadzka M</b>	<b>42, 96, 99</b>
<b>Zieliński Z</b>	<b>15, 27</b>