

## Pozostałe publikacje

**Suma IF: 130,251**

**Suma punktów MNiSW: 3120**

**Suma cytacji: 1314 (wg Web of Science)**

**Index H: 11**

### Opublikowane po otrzymaniu tytułu doktora:

1. Kotwica-Rolinska J, **Damulewicz M**, Chodakova L, Kristofova L, Dolezel D. (2022) Pigment Dispersing Factor Is a Circadian Clock Output and Regulates Photoperiodic Response in the Linden Bug, *Pyrrhocoris apterus* *Front Physiol.* 13:884909. **IF: 4.134**. Punkty MNiSW:100. Liczba cytacji: 2
2. Bilaska 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*. *Curr Issues Mol Biol.* 44:1169-1181. **IF: 2,081**. Punkty MNiSW: 70.
3. Kotwica-Rolinska J, Chodáková L, Smýkal V, **Damulewicz M**, Provazník J, Wu BC, Hejníková M, Chvalová D, Doležel D. (2022) *Mol Biol Evol.* 39:msab346. **IF: 16,24**. Punkty MNiSW: 200. Liczba cytacji: 2
4. Abaquita TA, **Damulewicz M**, Battaharya D, Pyza E. (2021) Regulation of Heme Oxygenase and Its Cross-Talks with Apoptosis and Autophagy under Different Conditions in *Drosophila*. *Antioxidants (Basel)*, 1:1716 **IF: 7,675**. Punkty MNiSW: 100.
5. **Damulewicz M**, Woźnicka O, Jasińska M, Pyza E. (2020) CRY-dependent plasticity of tetrad presynaptic sites in the visual system of *Drosophila* at the morning peak of activity and sleep. *Sci Rep.* 10(1):18161. **IF: 4.122**. Punkty MNiSW: 140. Liczba cytacji: 2
6. Mazzotta GM, **Damulewicz M**, Cusumano P. (2020) Better Sleep at Night: How Light Influences Sleep in *Drosophila*. *Front Physiol.* 11:997. **IF: 4.134**. Punkty MNiSW: 100. Liczba cytacji: 2
7. **Damulewicz M**, Mazzotta GM. (2020) One Actor, Multiple Roles: The Performances of Cryptochrome in *Drosophila*. *Front Physiol* 11:99. **IF: 4.134**. Punkty MNiSW: 100. Liczba cytacji: 8

8. Singh S, Giesecke A, **Damulewicz M**, Fexova S, Mazzotta G, Stanewsky R, Dolezel D. (2019) New *Drosophila* Circadian Clock Mutants Affecting Temperature Compensation Induced by Targeted Mutagenesis of Timeless. *Front Physiol.*10:1442. IF: **4.134**. Punkty MNiSW: 100. Liczba cytacji: 6
9. Doktor B, **Damulewicz M**, Pyza E. (2019) Effects of MUL1 and PARKIN on the circadian clock, brain and behaviour in *Drosophila* Parkinson's disease models. *BMC Neurosci.* 20:24. IF: **2.620**. Punkty MNiSW: 70. Liczba cytacji: 11
10. Piprek RP, **Damulewicz M**, Tassan JP, Kloc M, Kubiak JZ. (2019) Transcriptome profiling reveals male- and female-specific gene expression pattern and novel gene candidates for the control of sex determination and gonad development in *Xenopus laevis*. *Dev Genes Evol.* 229:53-72 IF: **2.186**. Punkty MNiSW:70. Liczba cytacji: 14
11. Cusumano P, **Damulewicz M**, Carbognin E, Caccin L, Puricella A, Specchia V, Bozzetti MP, Costa R, Mazzotta GM. (2019) The RNA Helicase BELLE Is Involved in Circadian Rhythmicity and in Transposons Regulation in *Drosophila melanogaster*. *Front Physiol.* 10:133. IF: **4.134**. Punkty MNiSW: 100. Liczba cytacji: 4
12. Doktor B, **Damulewicz M**, Pyza E. (2019) Overexpression of Mitochondrial Ligases Reverses Rotenone-Induced Effects in a *Drosophila* Model of Parkinson's Disease. *Front Neurosci.* 13:94. IF: **3.566**. Punkty MNiSW: 100. Liczba cytacji: 13
13. **Damulewicz M**, Świątek M, Łoboda A, Dulak J, Bilaska B, Przewłocki R, Pyza E. (2018) Daily Regulation of Phototransduction, Circadian Clock, DNA Repair, and Immune Gene Expression by Heme Oxygenase in the Retina of *Drosophila*. *Genes (Basel).* 21: E6. IF: **3.242**. Punkty MNiSW: 100. Liczba cytacji: 5
14. Doktor B, **Damulewicz M**, Krzeptowski W, Bednarczyk B, Pyza EM. (2018) Effects of PINK1 mutation on synapses and behavior in the brain of *Drosophila melanogaster*. *Acta Neurobiol Exp (Wars).* 78:231-241. IF: **2.244**. Punkty MNiSW: 70. Liczba cytacji: 5
15. Mazzotta GM, Bellanda M, Minervini G, **Damulewicz M**, Cusumano P, Aufiero S, Stefani M, Zambelli B, Mammi S, Costa R, Tosatto SCE. (2018) Calmodulin Enhances Cryptochrome Binding to INAD in *Drosophila* Photoreceptors. *Frontiers in Molecular Neuroscience* 11:280. IF: **3.720**. Punkty MNiSW: 140. Liczba cytacji: 3
16. Piprek R., **Damulewicz M.**, Kloc M., Kubiak JZ. (2018) Transcriptome analysis identifies genes involved in sex determination and development of *Xenopus laevis* gonads. *Differentiation.* 100:46-56. IF: **3.022**. Punkty MNiSW: 70. Liczba cytacji: 11

17. **Damulewicz M**, Pyza E. Determination of DNA damage in the retina photoreceptors of *Drosophila*. (2018) *Bio-protocols*. DOI: 10.21769/BioProtoc.2708.
18. **Damulewicz M**, Loboda A, Jozkowicz A, Dulak J, Pyza E. (2017) Haeme oxygenase protects against UV light DNA damages in the retina in clock-dependent manner. *Scientific Reports*, 7:5197. **IF: 4.122**. Punkty MNiSW: 100. Liczba cytacji: 4
19. **Damulewicz M**, Loboda A, Jozkowicz A, Dulak J, Pyza E. (2017) Interactions Between the Circadian Clock and Heme Oxygenase in the Retina of *Drosophila melanogaster*. *Molecular Neurobiology*, 54:4953-4962. **IF: 4.586**. Punkty MNiSW: 100. Liczba cytacji: 16
20. Loboda A, **Damulewicz M**, Pyza E, Jozkowicz A, Dulak J. (2016) Role of Nrf2/HO-1 system in development, oxidative stress response and diseases: an evolutionarily conserved mechanism. *Cellular and Molecular Life Science*, 73: 3221-3247. **IF: 7.017**. Punkty MNiSW: 140. Liczba cytacji: 1092
21. Bazalova O., Kvicalova M., Valkova T., Slaby P., Bartos P., Netusil R., Tomanova K., Braeunig P., Lee H.J., Sauman I., **Damulewicz M.**, Provaznik J., Pokorny R., Dolezel D., Vacha M. (2016) Cryptochrome 2 mediates directional magnetoreception in cockroaches. *PNAS*, 10:165. **IF: 9.58**. Punkty MNiSW: 200. Liczba cytacji: 59
22. **Damulewicz M**, Loboda A, Bukowska-Strakova K, Jozkowicz A, Dulak J, Pyza E. (2015) Clock and clock-controlled genes are differently expressed in the retina, lamina and in selected cells of the visual system of *Drosophila melanogaster*. *Frontiers in Cellular Neuroscience*, 9:353. **IF: 3.9**. Punkty MNiSW: 100. Liczba cytacji: 11
23. Górska-Andrzejak J., **Damulewicz M.**, Pyza E. (2015) Circadian changes in neuronal networks. *Current Opinion in Insect Science*, 7:1-6. **IF: 3.784**. Punkty MNiSW: 100. Liczba cytacji: 2
24. **Damulewicz M**, Rosato E, Pyza E. (2013) Circadian regulation of the Na<sup>+</sup>/K<sup>+</sup>-ATPase alpha subunit in the visual system is mediated by the pacemaker and by retina photoreceptors in *Drosophila melanogaster*. *PLoS One*, 8:e73690. **IF: 2,776**. Punkty MNiSW: 100. Liczba cytacji: 27

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25. Górska-Andrzejak J., **Damulewicz M.**, Pyza E. (2015) Circadian rhythms of Ion Transporters in the Visual System of Insects. Rozdział 14 w: Sodium and Water

Homeostasis, Comparative, evolutionary and genetic models. Hyndman, K.A., Pannabecker T.L. ed. (Springer); pp. 279-297.

**Publikacje przed obroną doktoratu:**

1. **Damulewicz M**, Pyza E. (2011) The clock input to the first optic neuropil of *Drosophila melanogaster* expressing neuronal circadian plasticity. *PLoS One*, 6:e21258. **IF: 2,776**. Punkty MNiSW: 100. Liczba cytacji: 20
2. Skarżyńska J, **Damulewicz M**, Filipowska J, Madej W, Leboy PS, Osyczka AM. (2011) Modification of Smad1 linker modulates BMP-mediated osteogenesis of adult human MSC. *Connective Tissue Research*, 52: 408-14. **IF: 2,167**. Punkty MNiSW: 70. Liczba cytacji: 8

Damulewicz

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1. **Damulewicz M.**, Pyza E. “Autophagy in peripheral clocks regulates rhythmic processes in *Drosophila melanogaster*” Neurofly, wrzesień 2022
2. **Damulewicz M.**, Gregoris F, Minervini G., Mazzotta G. “A circadian clock in the fly retina: deCRYpting new roles”, EBRS, Szwajcaria lipiec 2022
3. **Damulewicz M.**, Pyza E. “Time-dependent protecting role of heme oxygenase in the retina of *Drosophila*” EBRS, Szwajcaria lipiec 2022
4. **Damulewicz M.**, Pyza E., “Glial clocks contribute to the sleep regulation in *Drosophila melanogaster*” FENS, online, sierpień 2021
5. Abaquita T.A., **Damulewicz M.**, Bhattacharya D., Pyza E. “The role of heme oxygenase in the regulation of apoptosis and autophagy” FENS, online, sierpień 2021
6. **Damulewicz M.**, Woźnicka O., Jasińska M, Pyza E. “Dynamic changes of synapse ultrastructure and the number of synaptic vesicles during activity and sleep in the visual system of *Drosophila melanogaster*” FENS, online, lipiec 2020
7. **Damulewicz M.**, Łoboda A., Dulak J., Pyza E. „Time-dependent role of heme oxygenase in the brain of *Drosophila melanogaster*” SRBR, online, maj 2020
8. Abaquita T., **Damulewicz M.**, Pyza E. “Neuroprotective role of heme oxygenase in the *Drosophila* brain” IBRO 2019, Korea, wrzesień 2019
9. Bilska B., Zegar A., Jasińska M., **Damulewicz M.**, Cichy J., Pyza E. „Circadian rhythms in the expression of antimicrobial protein genes in the skin” Skin & Ageing Challenges Congress, Porto, Portugalia, luty 2019
10. **Damulewicz M.**, Woznicka O., Pyza E. “The role of Cryptochrome in the regulation of daily structural changes of synapses in the *Drosophila* visual system” SRBR 2018, Amelia Island, USA, 2018
11. Mazzotta G., Minervini G., Bellanda M., Aufiero S., **Damulewicz M.**, Sartori E., Cusumano P., Mammi S., Tosatto S., Costa R. „Calmodulin is involved In Cryptochrome-mediated signaling to the circadian clock” SRBR 2018, Amelia Island, USA, 2018
12. Doktor B., **Damulewicz M.**, Pyza E. „The role of MUL1 and park mitochondrial ligases in circadian regulation and neuroprotection in model of Parkinson’s Disease in *Drosophila melanogaster*” Neurofly 2018, Kraków, Polska, 2018

13. Baran K., **Damulewicz M.**, Pyza E. „Effects of changes in the transcription factor Cap ‘n’ collar C (CncC) and haeme oxygenase expression in the brain on life processes in *Drosophila*” Neurofly 2018, Kraków, Polska, 2018
14. **Damulewicz M.**, Doktor B., Pyza E. „The role of autophagy in the regulation of circadian rhythms” Neurofly 2018, Kraków, Polska, 2018
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16. Mazzotta G. , Minervini G., Bellanda M., Aufiero S., **Damulewicz M.**, Sartori E., Cusumano P., Mammi M., Costa R., Tosatto S. „Calmodulin is involved in Cryptochrome-mediated signaling to the circadian clock” EBRS 2017, Amsterdam, Netherlands, 2017
17. Doktor B., **Damulewicz M.**, Pyza E. “Mitochondrial ligases involved in development of Parkinson’s disease disturb the circadian clock in *Drosophila melanogaster*“. EBRS 2017, Amsterdam, Netherlands, 2017
18. **Damulewicz M.**, Haberkiewicz M., Pyza E. “Peripheral oscillators located in glial cells play a role in the regulation of circadian rhythms in *Drosophila melanogaster*”. Gordon 2017, Stowe, USA, 2017
19. **Damulewicz M.**, Mazzotta G., Rosato E., Costa R., Pyza E. “Cryptochrome regulates synaptic plasticity by rhythmic degradation of Bruchpilot protein in the photoreceptor terminals”. Neurofly 2016, Crete, Greece, 2016
20. **Damulewicz M.**, Łoboda A., Józkwicz A., Dulak J., Pyza E. “Cyclically expressed heme oxygenase protects the fruit fly’s retina against light-induced damage “. SRBR Meeting 2016, Palm Harbor, USA, 2016
21. **Damulewicz M.**, Loboda A., Jozkwicz A., Pyza E., Dulak J. „Cyclically expressed heme oxygenase protects the fruit fly’s retina against light-induced damage” 9<sup>th</sup> International Conference on Heme Oxygenases, Prague, Czech Republic, 2016
22. **Damulewicz M.**, Łoboda A., Józkwicz A., Dulak J., Pyza E. “Heme oxygenase affects clock gene expression in the retina of *Drosophila melanogaster*”. Gordon Chronobiology 2015, Girona, Spain, 2015
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25. Kotwica-Rolinska J., **Damulewicz M.**, Chodakova L., Dolezel D. “Circadian clock gene expression in firebug *Pyrrhocoris apterus* in diapause and reproductive conditions”. International Symposium on Molecular Insect Science, Amsterdam, Netherlands, 2014
26. **Damulewicz M.**, Łoboda A., Bukowska-Strakova K., Dulak J., Pyza E. „Circadian rhythm of the  $\alpha$  subunit of Na/K-ATPase gene and protein in the epithelial glial cells and L2 interneurons of *Drosophila melanogaster* is partly controlled by PDF” SRBR Meeting 2014, Big Sky, USA, 2014

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1. **Damulewicz M.**, Pyza E. “The circadian rhythm of the alpha subunit of -ATPase in glial cells in the first optic neuropil (lamina) of *Drosophila melanogaster* is regulated by CRY protein and neuropeptides PDF and ITP” Neurofly 2012, Padova, Italy, 2012
2. **Damulewicz M.**, Łoboda A., Pyza E. “The expression of clock gene *per* and clock-controlled genes *brp* and *atp $\alpha$*  in the first optic neuropil of the visual system of *Drosophila*” SRBR Meeting 2012, Florida, USA, 2012
3. Pyza E., Górską-Andrzejak J., **Damulewicz M.** “Clock-controlled daily remodeling of neurons and synaptic contacts in the visual system of *Drosophila*”. 10<sup>th</sup> International Congress of the Polish Neuroscience Society, Łódź, Poland, 2011
4. **Damulewicz M.** “Neurony zegara biologicznego w mózgu muszki owocowej *Drosophila melanogaster*”. Annual Meeting of Confocal Microscopy Users, Poznań, Poland,
5. Pyza E., **Damulewicz M.**, Górską-Andrzejak J. “The involvement of glia in the circadian regulation of neuronal morphology”. 3<sup>rd</sup> World Congress of Chronobiology, Puebla, Mexico, 2011
6. **Damulewicz M.**, Pyza E. “Circadian rhythms in the first optic neuropil (lamina) of *Drosophila melanogaster* are regulated by PDF and ITP neuropeptides”. Chronobiology Gordon Research Conference, Barga, Italy 2011
7. **Damulewicz M.**, Pyza E., “CRY-positive processes of clock neurons invade the first optic neuropil of *Drosophila melanogaster*”. Neurofly 2010, Manchester, UK, 2010

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9. **Damulewicz M.**, Pyza E. “Localization of cryptochrome –immunopositive neurons in the visual system of *Drosophila melanogaster*” 9<sup>th</sup> International Congress of The Polish Neuroscience Society; Warszawa, Poland 2009
10. **Damulewicz M.**, Pyza E. “CRY-positive processes of the lateral neurons convey circadian information to the first optic neuropil of *Drosophila melanogaster*” International symposium: Molecular view of a synapse and its proteolytic remodeling in neuronal plasticity, Wierzba, Poland, 2009
11. Koteja P., Baliga-Klimczyk K., Chrzęścik K., **Damulewicz M.**, Dragosz-Kluska D., Morawska-Płoskonka J. “Laboratory model of adaptive radiation: Activity and metabolic rates in bank voles from multidirectional artificial selection experiment”. The 36<sup>th</sup> Congress of the International Union of Physiological Sciences; Kioto, Japan, 2009
12. Koteja P., Baliga-Klimczyk K., Chrzęścik K., **Damulewicz M.**, Dragosz-Kluska D., Morawska-Płoskonka J., Zaytseva H., Sadowska E. „Correlated responses to multidirectional selection in the bank vole *Myodes (=Clethrionomys) glareolus*: activity and metabolic rates” Annual Main Meeting of the Society of Experimental Biology, Glasgow, UK, 2009
13. **Damulewicz M.**, Pyza E. “Localization of cryptochrome – immunopositive neurons in the visual system of *Drosophila melanogaster*”. International Summer School of Chronobiology EUCLOCK, Kraków, Poland 2009
14. Skarzynska J., Wojtowicz A., **Damulewicz M.**, Leboy P., Osyczka AM. „Modification of Smad1 linker region in adult human MSC increases BMP-2 mediated in vitro osteogenesis”. 3<sup>rd</sup> UK Mesenchymal Stem Cell Meeting, Sheffield, UK, 2009
15. Zdunek K., Wojtowicz A., Skarzynska J., Skrzypek L., **Damulewicz M.**, Leboy P., Osyczka AM. ”Regulatory signaling pathways in BMP mediated osteogenesis of adult human mesenchymal stem cell cultures”. 30<sup>th</sup> ASBMR Annual Meeting, Montreal, Canada, 2008
16. **Damulewicz M.**, Fiertak A., „Restricted feeding is a donor of time for peripheral circadian oscillator in Paneth cells in mice ileum”. Congress of Biochemistry and Cell Biology, Olsztyn, Poland, 2007