

PROFILE FOR INSTITUTE WEBSITE

Current photo in graphic file e.g. 2024, 2023.	
Name and surname, Title	Marzena Łazarczyk, dr n med.
Position	assistant professor
Hirsch Index and Number of citations (according to Scopus) on the day of completing the form	Hirsch index 8, citations=317
Research areas (in points, min. 200 characters, max. 500 characters)	– Role of opioid system in cancer diseases development (gliomas, colon cancer, etc.)and other pathological processes – Effect of chemokines on cancer progression – Animal well-being
Total number of completed research projects; currently implemented research projects (title and number) and selected max. 3 completed projects (title and number) from the newest ones, i.e. 2024, 2023, 2022...	Lack of own projects; – Investigator in the project “From Basic to Translational Research in Oncology” (FP7-REGPOT-2012-CT2012-316254-BASTION) – Investigator in the project “Ethrocytes heterogenity (RDW) as a risk factor in atherosclerosis- study on mechanisms of action” (2014/15/B/NZ5/03566)
Total number of publications; ORCID (number and hyperlink to the profile); SCOPUS (number and hyperlink to the profile); indicate selected publications (max. 5)	– Numer of papers: 18 – ORCID (0000-0002-1938-8143; https://orcid.org/0000-0002-1938-8143) – SCOPUS (22234860200; https://www.scopus.com/authid/detail.uri?authorId=22234860200) – Selected papers: 1. Skiba, D.; Jaskuła, K.; Nawrocka, A.; Poznański, P.; Łazarczyk, M.; Szymański, Ł.; Żera, T.; Sacharczuk, M.; Cudnoch-Jędrzejewska, A.; Gaciong, Z. The Role of Opioid Receptor Antagonists in Regulation of Blood Pressure and T-Cell Activation in Mice Selected for High Analgesia Induced by Swim Stress. <i>Int. J. Mol. Sci.</i> 2024, 25, 2618. https://doi.org/10.3390/ijms25052618. 2. Łazarczyk M, Kurzejamska E, Mickael ME, Poznański P, Skiba D, Sacharczuk M, Gaciong Z, Religa P. Mouse CCL9 Chemokine Acts as Tumor Suppressor in a Murine Model of Colon Cancer. <i>Curr Issues Mol Biol.</i> 2023 Apr 15;45(4):3446-3461. doi: 10.3390/cimb45040226. 3. Łazarczyk M, Mickael ME, Skiba D, Kurzejamska E, Ławiński M, Horbańczuk JO, Radziszewski J, Fraczek K, Wolinska R, Paszkiewicz J, Religa P, Sacharczuk M. The Journey of Cancer Cells to the Brain: Challenges and Opportunities. <i>Int J Mol Sci.</i> 2023 Feb 14;24(4):3854. doi: 10.3390/ijms24043854.

	4. Nawrocka A, Poznański P, Łazarczyk M, Gorzałczyński M, Skiba D, Wolińska R, Bujalska-Zadrozny M, Lutfy K, Sadowski B, Sacharczuk M. The Influence of Cross-Fostering on Alcohol Consumption and Depressive-Like Behaviors in HA and LA Mice: The Role of the Endogenous Opioid System. Brain Sci. 2021 May 13;11(5):622. doi: 10.3390/brainsci11050622. 5. Kurzejamska E, Sacharczuk M, Landázuri N, Kovtonyuk O, Lazarczyk M, Ananthaseshan S, Gaciong Z, Religa P. Effect of Chemokine (C-C Motif) Ligand 7 (CCL7) and Its Receptor (CCR2) Expression on Colorectal Cancer Behaviors. Int J Mol Sci. 2019 Feb 5;20(3):686. doi: 10.3390/ijms20030686. —
Total number of patents; selected patents (max. 2) and a hyperlink to personal patent achievements (UP RP), on the day of completing the form	-
Selected scientific achievements from the newest, i.e. 2023, 2022, 2021... (in points, min. 800 characters, max. 1000 characters)	— 2023 -description of inhibitory influence of mouse CCL9 chemokine on tumor growth in mouse model of colon cancer — 2010 -determination of antiproliferative properties of biphalin on glioblastoma T98G cells —
Number and list of defended PhD students from the latest, i.e. 2024, 2023, 2022...	—
Organizational activities, dissemination of knowledge and others (in points, min. 300 characters, max. 1000 characters)	— 2008-2011 -member of the executive board of the Polish Association of Neuropathologists (Secretary General) — Knowledge dissemination via participation in conferences: 1. Łazarczyk M, Matyja E, Yamamoto T, Hruby VJ, Lipkowski AW. Activity of tachykinin-opioid hybrids on human glioblastoma cell line T98G. Integrated Centre of Excellence for Medicinal Chemistry of Neuropeptides. Workshop „From Endogenous Systems to Medicines”. 09 of September, 2006, Warsaw (Poland). 2. Łazarczyk M, Matyja E, Yamamoto T, Hruby VJ, Lipkowski AW. Antiproliferative activity of tachykinin-opioid hybridic peptides on human glioblastoma T98G cells. 8th Polish International Neurochemistry Conference „Molecular basis of pathology and therapy in neurological disorders”. 17-18 of November 2006, Warsaw (Poland). 3. Łazarczyk M, Matyja E, Yamamoto T, Hruby VJ, Lipkowski AW. Effect of tachykinin-opioid hybrids on proliferation and immunofenotype of human glioblastoma T98G cell line. ”Joint Meeting of the German Society of Neuropathology and Neuroanatomy and the Polish Association of Neuropathologists”. 05-08 of September, 2007, Greifswald (Germany). 4. Łazarczyk M, Matyja E, Yamamoto T, Hruby VJ, Lipkowski AW. Inhibitory effect of tachykinin receptor antagonists, opioid agonists and novel tachykinin-opioid hybrids on T98G human

glioblastoma cell proliferation. 19th Polish Peptide Symposium. 23-27 of September, 2007, Pułtusk (Poland).

5. Szeliga M, Obara M, Matyja E, Łazarczyk M, Lobo C, Alonso F, Marquez J, Albrecht J. Transfection with liver-type glutaminase (LGA) cDNA reduces viability and inhibits migration and proliferation of human T98G glioma cells in culture. 9th Polish International Neurochemistry Conference "Biochemical and genetic basis of neurological diseases and novel therapeutic approaches". 25-26 of October, 2007, Warsaw (Poland).
6. Łazarczyk M, Matyja E, Lipkowski AW. Novel tachykinin-opioid hybrid peptide analogues arrest mitotic activity of human glioblastoma T98G cells. 9th European Congress of Neuropathology (Euro-CNS). 08-10 of May, 2008, Athens (Greece).
7. Łazarczyk M, Matyja E, Lipkowski AW. Novel tachykinin-opioid hybride peptide analogues arrest mitotic activity of human glioblastoma T98G cells. Workshop „From Endogenous Systems to Medicines”. 06 of September, 2008, Warsaw (Poland).
8. Łazarczyk M, Matyja E, Lipkowski AW. Assessment of antiproliferative potency of opioid peptide analogue biphalin in human glioblastoma cell line T98G. 9th International Symposium "Molecular basis of pathology and therapy in neurological disorders". 27 - 28 of November, 2008, Warsaw (Poland).
9. Łazarczyk M, Matyja E, Lipkowski AW, Grzywaczewska E. Modulatory effect of opioid peptides on proliferative activity of glial-derived tumour cells. 15th Conference of Polish Association of Neuropathologists "Tumours of central nervous system". 29-30 of May, 2009, Warsaw (Poland).
10. Łazarczyk M, Kazimierczuk K, Grzywaczewska E, Matyja E. Cytotoxic effect of pentabromobenzylisothiourreas on human glial-derived tumour cells: T98G and SEGA. 17th Conference of Polish Association of Neuropathologists „Neuropathology of XXI century”. 17-18 of June, 2011, Warsaw (Poland).
11. Łazarczyk M, Głowińska-Grochowska A, Leśniak A, Zielińska M, Lipkowski AW, Misicka A, Matyja E. Effect of platinum (II) peptide complexes on human glioblastoma T98G cells. 17th Conference of Polish Association of Neuropathologists „Neuropathology of XXI century”. 17-18 of June, 2011, Warsaw (Poland).