

Prof. Dr. Habil. Jacek Jassem **PRA Leader 1 – Oncology**

Headed of the Department of Oncology and Radiotherapy of MUG for many years (since 1990)

doctor of medical sciences degree (1980)

habilitated doctor (1987)

title of professor (1995)

International scientific internships

Karolinska Hospital in Stockholm (1997)

National Cancer Institute in Amsterdam (1989/1990 and 1994)

Leading research areas

clinical oncology: especially lung cancer, breast cancer combined cancer treatment, molecular oncology

Scientific activities

Prof. dr hab. Jacek Jassem is one of two Polish members of the European Academy of Cancer Sciences, a member of Academia Europea and a corresponding member of the Polish Academy of Arts and Sciences. He has served on the editorial committees of many prestigious scientific journals, including: *Lancet Oncology*, *European Journal of Cancer*, *Cancer Treatment Reviews*, *Radiotherapy and Oncology* and *Journal of Thoracic Oncology*. He was chairman of the Board of Directors of the Polish Cancer Society, a member of the Board of Directors of the European Organization for Research on Cancer (EORTC), chairman of the EORTC Breast Cancer Group, chairman of the Foreign Affairs Committee of the American Society of Clinical Oncology, and a member of the boards of the European Society for Radiation Oncology and the European Society for Clinical Oncology. He is the chairman of the Central European Oncology Group (CEEORG) and president of the Polish League Against Cancer. Prof. dr hab. Jacek Jassem is active in public health, including drafting a bill banning smoking in public places (introduced in 2010) and coordinating the development of the *Cancer Control Strategy in Poland 2015-2024*.

Scientific awards

1. Prime Minister's Award
2. Vienna Mayor's Award

3. The Sobolewski Award of the Polish Society of Oncology
4. The Joseph Cullen Price of the International Association for the Study of Lung Cancer
5. The Johannes Hevelius Award of the President of the City of Gdansk
6. Title *Outstanding Pole*, Teraz Polska Foundation

Key scientific projects

1. *Genomic Characterization of Brain Metastases and Other Tumors of the Nervous System*, (DFCI 10-454)
2. *Predicting Response and Toxicity in Patients Receiving Chemotherapy for Breast Cancer: A Multicenter Genomic, Proteomic and Pharmacogenomic Correlative Study*, (DOD COE01)
3. *Adhesive molecules in breast cancer brain metastasis*, (DAMD17-99-1-9368)
4. *Molekularne czynniki ryzyka rozwoju przerzutów do mózgu u chorych na raka piersi z „postrónie negatywną” ekspresją receptorów ER/PR/HER2*, (Grant NCN N N401 052838)
5. *A European Cancer Image Platform Linked to Biological and Health Data for Next-Generation Artificial Intelligence and Precision Medicine in Oncology*, *EuCanImage*, **Program Ramowy Badań i Innowacji Horyzont 2020**

Key Publications

1. Jassem J., Begg A. C., Stewart F. A., Bartelink H. *Combined chemotherapy and radiotherapy*. In: Peckham M., Pinedo H. M., Veronesi U., *Oxford Text book of Oncology*. Oxford University Press, Oxford, Tokyo, New York, 1995, 811-822.
2. Bonner J. A., Harari P. M., Giralt J., Azarnia N., Shin D. M., Cohen R. B., Jones C. U., Sur R., Raben D., Jassem J., Ove R., Kies M. S., Baselga J., Youssoufian H., Amellal N., Rowinsky E. K., K. K. ang. *Radiotherapy plus cetuximab for squamous-cell carcinoma of the head and neck*. *New Eng. J. Med.* 2006; vol. 354, nr 6.
3. Farmer P., Bonnefoi H., Anderle P., Cameron D., Wirapati P., Becette V., André S., Piccart M., Campone M., Brain E., MacGrogan G., Petit T., Jassem J., Bibeau F., Blot E., Bogaerts J., Aguet M., Bergh J., Iggo R., Delorenzi M. *A stroma-related gene signature predicts resistance to neoadjuvant chemotherapy in breast cancer*. *Nat. Med.* 2009; vol. 15, nr 1, s. 68-74.
4. Oliner S., Siena S., Tabernero J., Burkes R., Barugel M., Humblet Y., Bodoky G., Cunningham D., Jassem J., Rivera F., Kocáková I., Ruff P., Błasińska-Morawiec M., Smakal M., Canon J. L., Rother M., Williams

R., Rong A., Wiezorek J., Sidhu R., Patterson S. D., *Panitumumab-FOLFOX4 treatment and RAS mutations in colorectal cancer*. Douillard J.-Y., K. New Eng. J. Med. 2013: vol. 369, nr 11, s. 1023-1034.

5. Woditschka S., Evans L., Duchnowska R., Reed L. T., Palmieri D., Qian Y., Badve S., Sledge Jr. G., Gril B., Aladjem M. I., Fu H., Flores N. M., Gökmen-Polar Y., Biernat W., Szutowicz-Zielińska E., Mandat T., Trojanowski T., Och W., Czartoryska-Arlukowicz B., Jassem J., Mitchell J. B., Steeg P. S., *DNA double-strand break repair genes and oxidative damage in brain metastases of breast cancer*. J. Natl. Cancer Inst. 2014 : vol. 106, nr 7.

6. Brunilde G., Paranjape Anurag N., Woditschka S., Hua E., Dolan E. L., Hanson J., Wu X., Kloc W., Iżycka-Świeszewska E., Duchnowska R., Pęksa R., Biernat W., Jassem J., Nayyar N., Brastianos P. K., Hall O. M., Peer C. J., Figg W. D., Pauly G. T., Robinson Ch., Difilippantonio S., Bialecki E., Metellus P., Schneider J. P., Steeg P., *Reactive astrocytic S1P3 signaling modulates the blood-tumor barrier in brain metastases*. Nat. Commun. 2018 : vol. 9, nr 1.

Bibliometric information (as of 28.08.2020)

Prof. dr hab. Jacek Jassem is the author/co-author of more than 800 original publications, textbooks and chapters in Polish and foreign textbooks and 11 patents and patent applications - he is one of the most cited Polish doctors in the world.

IF: 2032,406 (based on MUG Bibliography database: no publications, author in group brochure), number of citations without self-citation in the Web of Science base: 21,897 (number of total citations: 22,125), h index = 59.