	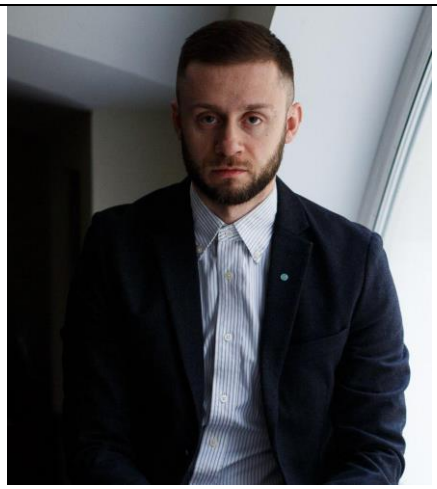
Anton Barchuk, MD, PhD	**Антон Барчук, к.м.н.**
JSC Polymetal Associate Professor of Epidemiology	Ассоциированный профессор АО "Полиметалл" по популяционным медицинским исследованиям
Head of Institute for Interdisciplinary Health Research, European University at Saint Petersburg, Russia;	Директор Института междисциплинарных медицинских исследований Европейского университета в Санкт-Петербурге
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Researcher, Epidemiology Group, Faculty of Social Sciences/Health Sciences, Tampere University;	Исследователь группы эпидемиологии, Фкультет Социальных наук/Наук о здоровье, Университет Тампере, Финляндия
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Google Scholar: KAQDD7YAAAAJ	https://scholar.google.com/citations?user=KAQDD7YAAAAJ

Education:

Period	Institution	Qualification
2016 till now	Faculty of Social Sciences / Health Sciences, Tampere University (University of Tampere), Tampere, Finland	Ph.D. in Epidemiology

2015 - 2016	School of Health Sciences, University of Tampere, Tampere, Finland	Epidemiology (IPPE)
2014	II Mechnikov North-Western State Medical University, Saint-Petersburg, Russia	Endoscopy
2012, 2017	II Mechnikov North-Western State Medical University, Saint-Petersburg, Russia	Clinical oncology
2007-2010	NN Petrov Research Institute of Oncology, Saint-Petersburg, Russia	Ph.D., Oncology
2005-2007	Saint-Petersburg State Postgraduate Academy, Saint-Petersburg, Russia	Oncology and Clinical Radiology
1999-2005	AP Pavlov Saint-Petersburg State Medical University, Saint-Petersburg, Russia	MD

Professional Background:

Period	Institution	Position
2021 till now	Institute for Interdisciplinary Health Research, European University at St Petersburg, Russia	Director
2016 - 2020	School of Social Sciences, University of Tampere, Tampere, Finland	Researcher
2014 till now	Association of Oncologist of North-Western Federal District, Saint-Petersburg, Russia	CEO, then Scientific Director
2011 - 2012	NN Petrov National Cancer Research Center, Saint-Petersburg, Russia	Thoracic Oncologist, Endoscopist
2010 till now	NN Petrov Research Institute of Oncology, Saint-Petersburg, Russia	Researcher, then Associate Professor
2005 - 2010	NN Petrov Research Institute of Oncology, Thoracic Oncology Department, Saint-Petersburg, Russia	Fellow

Experience in Clinical Trials (selected, 24 clinical trials 2004 - 2015):

Period	Therapeutic Area	Phase	Role in the study
2011 - 2015	Melanoma, targeted therapy	III	Investigator, study coordinator
2010 - 2015	Melanoma, immunotherapy	I/II	Investigator, study coordinator
2010 - 2015	Lung cancer, immunotherapy	I	Investigator, study coordinator
2008 - 2015	Melanoma, adjuvant vaccine	III	Investigator, study coordinator
2007 - 2014	Lung cancer, adjuvant vaccine	III	Investigator, study coordinator
2004 – 2007	Lung cancer, diagnostics	II/III	Investigator

Additional Training:

Period (mm/yyyy)	Course Name	Training Organization
Dec 2018	Cancer registries Data Quality Workshop for Trainers	IARC WHO, Lyon
Sep 2014	Cancer Registration Course	IARC WHO, Astana
Sep 2008	GCP	Evidence Clinical and Pharmaceuticals Research
Nov 2011	Dangerous goods transportation	Mayo Medical Laboratories
Sep 2008	GCP	Evidence Clinical and Pharmaceuticals Research

Conferences and Presentations (selected):

Year	Conference	Place	Presentation

Jun 2015-2020	Annual Saint-Petersburg International Oncology Forum "White Nights"	Saint-Petersburg, Russia	The scientific committee, Cancer control sessions, ESO educational sessions, IARC session, multiple presentations on cancer burden and cancer control
2019	RUSSCO R 23rd Russian Oncology Conference	Moscow, Russia	Cancer prevention, screening, and early diagnosis programs in Russia
Sep 2019	9th Nordic Conference of Epidemiology and Register-Based Health Research	Tampere, Finland	Two poster presentation
Oct 2018	IACR Annual Scientific Conference	Utrecht, the Netherlands	Two posters and one oral presentation
	The 9th General Assembly and International Conference of Asian Pacific Organisation for Cancer Prevention	Jeju, Korea	Implementation of Evidence-based Cancer Control Activities in Russia
Nov 2017	2nd International Conference on Cancer Precision Medicine	Tianjin, China	Cancer burden, cancer control and precision oncology in Russia
Sep 2016	The 1st West China International Conference on Lung Cancer	Chengdu, China	Multidisciplinary Management of Lung Cancer in Russia: Evidence and Expertise
Nov 2015	The 8th APOCP Regional Conference	Tehran, Iran	Cancer Control Policies in Russia: Current Status and Future Directions

Selected publications (more than 50 publications):

1. Ryzhov A, Corbex M, Piñeros M, Barchuk A, Andreasyan D, Djanklich S, Ghervas V, Gretsova O, Kaidarova D, Kazanjan K, Mardanli F. Comparison of breast cancer and cervical cancer stage distributions in ten newly independent states of the former Soviet Union: a population-based study. The Lancet Oncology. 2021 Feb 5
2. Simkin J, Nash SH, Barchuk A, O'Brien DK, Erickson AC, Hanley B, Hannah H, Corriveau A, Larsen IK, Skovlund CW, Larønningen S. Stomach Cancer Incidence and Mortality Trends among Circumpolar Nations. Cancer Epidemiology and Prevention Biomarkers. 2021 Jan
3. Basu, P., Zhang, L., Hariprasad, R., Carvalho, A., Barchuk, A. A pragmatic approach to tackle the rising burden of breast cancer through prevention & early detection in countries' in transition'. Indian Journal of Medical Research, 2020, 152(4), p. 343–355
4. Kononov, A., Korotetsky, B., Jahatspanian, I., Gubal, A., Vasiliev, A., Arsenjev, A., Nefedov, A., Barchuk, A., Gorbunov, I., Kozyrev, K. and Rassadina, A., 2019. Online breath analysis using metal oxide semiconductor sensors (electronic nose) for diagnosis of lung cancer. Journal of breath research, 14(1), p.016004.
5. Patasius, A., Innos, K., Barchuk, A., Ryzhov, A., Leja, M., Misins, J., Yaumenenka, A. and Smailyte, G., 2019. Prostate cancer incidence and mortality in the Baltic states, Belarus, the Russian Federation and Ukraine. BMJ Open, 9(10), p.e031856.
6. Barchuk A, Bespalov A, Huhtala H, Chimed T, Belyaev A, Moore M, Anttila A, Auvinen A, Pearce A, Soerjomataram I. Productivity losses associated with premature mortality due to cancer in Russia: A population-wide study covering 2001–2030. Scandinavian journal of public health. 2019 Jul;47(5):482-91.
7. Barchuk A, Bespalov A, Huhtala H, Chimed T, Laricheva I, Belyaev A, Freddie Bray, Anttila A, Auvinen A. Breast and cervical cancer incidence and mortality trends in Russia 1980-2013 Cancer Epidemiol. 2018 Aug;55:73-80. doi: 10.1016/j.canep.2018.05.008
8. Barchuk A, Gushchin V. Alternative Ways to Study Global Variation in Cancer-Related Research Activity. Ann Surg Oncol. 2018 Mar 19. doi: 10.1245/s10434-018-6426-5.
9. Ganeev, A.A., Gubal, A.R., Lukyanov, G.N., Arseniev, A.I., Barchuk, A.A., Jahatspanian, I.E., Gorbunov, I.S., Rassadina, A.A., Nemets, V.M., Nefedov, A.O. and Korotetsky, B.A., 2018. Analysis of exhaled air

for early-stage diagnosis of lung cancer: opportunities and challenges. *Russian Chemical Reviews*, *87*(9), p.904.
10. Pearce A, Sharp L, Hanly P, Barchuk A, Bray F, de Camargo Cancela M, Gupta P, Meheus F, Qiao YL, Sitas F, Wang SM, Soerjomataram I. Productivity losses due to premature mortality from cancer in Brazil, Russia, India, China, and South Africa (BRICS): A population-based comparison. Cancer Epidemiol. 2018 Apr; 53:27-34. doi: 10.1016/j.canep.2017.12.013.
11. Levchenko, E., Ergnyan, S., Shutov, V., Barchuk, A., Levchenko, N. and Gorokhov, L., 2017. P3. 16-043 Resection and Reconstruction of Tracheal Carina in Lung Cancer Surgery. *Journal of Thoracic Oncology*, *12*(11), p.S2359.
12. Shilo, P., Barchuk, A., Zuzgin, I. and Alexeev, S., 2017. Lymphoma and Leukemia Burden in Russia 2014: Comparison with Nordic Countries and Possible Cancer Registration Quality Issues. *Clinical Lymphoma, Myeloma and Leukemia*, *17*, p.S322.
13. Komarov, Y., Barchuk, A., Semenova, A.I., Semiglazova, T., Imianitov, E., Iyevleva, A., Baldueva, I., Novik, A.V., Nehaeva, T.L., Pipia, N. and Huhtala, H., 2017. NY-ESO-1 antigen expression as a prognostic factor for soft tissue sarcomas.
14. Marusina MY, Mochalina AP, Frolova EP, Satikov VI, Barchuk AA, Kuznetcov VI, Gaidukov VS, Tarakanov SA. MRI Image Processing Based on Fractal Analysis, Asian Pac J Cancer Prev. 2017 Jan 1;18(1):51-55. Evaluation of Machine Learning Algorithm Utilization for Lung Cancer Classification Based on Gene Expression Levels.
15. Podolsky MD, Barchuk AA, Kuznetcov VI, Gusarova NF, Gaidukov VS, Tarakanov SA. Asian Pac J Cancer Prev. 2016;17(2):835-8.
16. Barchuk A, A. Belyaev, Arsen'ev A, Filochkina A, Auvinen A. [Cancer Screening and Mortality] Prakt Onkol. 2016; 17(4):228-246. Review. Russian.
17. Barchuk A, Arsen'ev A, Levchenko E. [Screening for lung cancer]. Vopr Onkol. 2009;55(1):7-14. Review. Russian.

Biosketch:

Anton Barchuk is a head of the epidemiology group at the European University at Saint-Petersburg, Russia, an Associate Professor at the NN Petrov National Cancer Center in Saint-Petersburg, Russia, and a researcher at the Faculty of Social Sciences/Health Sciences of the Tampere University, Finland. He is also holding the position of the scientific director of the Association of Oncologists of the North-West of Russia.

After graduating from Saint-Petersburg Pavlov Medical University in 2005, Dr. Barchuk started his career in NN Petrov Research Institute of Oncology, where he completed his training in thoracic oncology and defended his Ph.D. thesis in oncology. His primary interests were the early detection of bronchial lesions with fluorescent bronchoscopy and automated cytometry. He continued his work as an oncologist and researcher in Saint-Petersburg.

In 2015, he started additional education in epidemiology after being accepted to International Postgraduate Programme in Epidemiology (IPPE) of the University of Tampere, Finland, where later he got a Ph.D. researcher position. Now, Dr. Barchuk is working on the evaluation of cancer burden, cancer registration, and cancer screening and control activities in Russia.

Dr. Anton Barchuk initiated and participated as an editor in the Russian translation of ICD-O-3, published in 2017, to implement high-quality cancer registration in Russia. He was among the White Night Petersburg Oncology Forum initiators in 2015, which grew to more

than 3500 participants in 2017. Pilots of population-based breast, cervical and colorectal screening programs in the North-West of Russia were rolling-out in 2020 under his supervision.