

Vyacheslav N. KRUT'KO

Tel.: +7-903-184-3444
Email: krutkovn@mail.ru
Websites: https://geroproai.ru/; https://rairi.frccsc.ru/; http://www.ngcrussia.org/; https://healthheuristics.org/

Education: Moscow Institute of Physics and Technology (MIPT), specialty - "Physics of Living Systems"; Postgraduate studies at the Institute of Biomedical Problems of the Russian Academy of Sciences (RAS), specialty - "Human and Animal Physiology".

Degrees and Titles: Candidate of Biological Sciences (Ph.D.) in "Human and Animal Physiology"; Doctor of Technical Sciences (D.Sc.) at the intersection of specialties 05.13.10 "Management in Social and Economic Systems" and 14.00.07 "Hygiene"; Dissertation topic: "System Analysis, Forecasting and Management of Population Health"; Professor at the Department of Informatics and Public Health Management.

Positions:

- Chief Research Scientist, Head of the Department of Information Technology in Preventive Medicine, Russian Artificial Intelligence Research Institute, Federal Research Center "Computer Science and Control" of the Russian Academy of Sciences (FRC CSC RAS);
- Professor at the Department of General Hygiene, F.F. Erisman Institute of Public Health at Sechenov University
- General Director of the Non-Profit Partnership "National Gerontological Center";
- 2004 -- 2005 - Dean of the Faculty "Management of Organizations (Healthcare and Pharmacy)", Moscow Institute of Medico-Social Rehabilitation;
- 2006 -- 2019 - CEO of LLC Research and Implementation Firm "Aging Control";
- 2024 -- present - CEO of LLC "GeroPro AI".

Professional Experience:

- Main research areas:
  - Development of artificial intelligence technologies for solving health saving and active longevity problems;
  - Creation of clinical decision support systems (CDSS) in preventive medicine;
  - Development of tools and methods in gerontological informatics, particularly modeling aging processes, assessment and prediction of biological age and life expectancy, creation of computer systems for aging diagnostics and prevention based on intelligent technologies;
  - Development of "Aging Prevention" as a new scientific direction of the 21st century.
- Contract work at the International Institute for Applied Systems Analysis (IIASA, Laxenburg**,** Austria);
- Participation in the development of 11 state programs and concepts, including: "Concept of Informatization of Russia"; "Concept of the State Program for the Protection and Strengthening of Public Health"; "Concept of Sustainable Development of Russia"; "Concept of Information Support and Structure of the System for Assessing the

Effectiveness of Programs to Reduce Child Mortality in the Country's Regions"; Federal Program "Older Generation"; Federal Program "Extension of Active Life".

Scientific and Organizational Experience:

- Chairman of the "Applied Gerontology" Section, Scientific Council on Gerontology and Geriatrics of the Russian Academy of Medical Sciences (RAMS) and the Ministry of Health of Russia;
- Chairman of the Problem Commission on System Analysis, Methods and Organization of Aging Prevention, and Medico-Social Problems of the Elderly, Academic Council of the Ministry of Health of the Russian Federation;
- Member of the "Gerontology and Geriatrics" Section, Academic Council of the Ministry of Health of the Russian Federation;
- Member of the Scientific Council on Gerontology and Geriatrics of the Russian Federation;
- Initiator and Director-Coordinator of the Russian Center for the UNESCO International Program "Human Response to Environmental Stress";
- Founder and Head of the Interdepartmental Problem Laboratory of RAS, RAMS, and the USSR Ministry of Health "Informatics Methods in Population Health Management";
- Co-Director of the Russian-American Center "Informatics for Longevity";
- Founder and Board Member of the Association of Specialists in Restorative Medicine;
- Member of the Problem Commission "Fundamental Foundations of Individual and Public Health" under the Presidium of the Russian Academy of Medical Sciences (RAMS);
- Member of the Scientific Council of the Interregional Public Organization (IPO) "Scientific Medical Society of Gerontologists and Geriatricians";
- Certified expert for: Ministry of Science and Higher Education of the Russian Federation, RAS, National Research University Higher School of Economics (HSE), NTI, RFBR;
- Chairman of the Academic Council of the National Gerontological Center; Member of the Academic Council of the Institute of Systems Analysis RAS; Scientific Secretary of Dissertation Council D002.073.04 FRC CSC RAS;
- Organizer of 8 international and 15 national scientific conferences;
- Member of editorial boards of scientific journals: "Bulletin of Restorative Medicine"; Annual of the National Gerontological Center "Aging Prevention"; "Proceedings of the Institute of Systems Analysis RAS"; Annual "Reports of the Moscow Society of Naturalists. Gerontology Section";
- Scientific supervisor of over 20 grant projects, including megagrants: Ministry of Science and Higher Education project "Development of Internet Technology for Personalized Health Preservation Support" (2015-2017, project budget 68 million rubles); NTI project "Intelligent Digital Platform for Personalized Quality of Life Management 'Health Heuristics'" (2020-2024, project budget 439 million rubles, www.healthheuristics.org).

Publications:

- Author of over 390 publications, including 20 books, among which: "Aging: Mechanisms and Ways to Overcome"; "Assessment and Management of Environmental Health Risks for the Population"; "Mathematical Foundations of Gerontology"; "Fundamental Mechanisms of Geroprevention"; "Stages of Human Life and Medical Services in Different Age Periods";

"Analysis of Mortality Trends and Life Expectancy of the Russian Population at the End of the 20th Century"; 6 issues of the Annual of the National Gerontological Center "Aging Prevention" (editor); "Systemic Mechanisms and Models of Aging"; "Health and Longevity Informatics" (Vol. 1, 2 - ed.); "Anti-Aging Medicine: Fundamental Foundations"; "Human Capital: Problem and Resource of Russia's Innovative Development"; "Anti-Age Medicine: Practical Course"; "New Positive Psychology in Gerontocenters of Russia"; "Fundamentals of Gerontology (Pocket Guide for Physicians)".

Awards:

- Awardee of the "Best Projects for the Health of Moscow and Muscovites" competition - 2007;
- Awardee of State Scientific Scholarships - 1997-2003;
- Winner of numerous grant competitions: Ministry of Ecology, Ministry of Science and Higher Education, International Science Foundation, US Institute for Sustainable Communities for financial support of scientific research (grant awards) in 1993 -- 2016; "League of the Nation's Health" in 2009, 2012, 2015; RAS in 2009-2012; RFBR in 2014, 2015, 2016, 2019; Ministry of Science and Higher Education - in 2015; NTI -- in 2020.

Citation Indices (Krut'ko V.N., Krutko VN) as of 24.06.2025:

- RSCI (Russian Science Citation Index): Publications - 393; Citations - 3707; h = 27.
- Scopus: Publications -- 62; Citations -- 287; h = 7;
- Web of Science: Publications -- 17; Citations -- 53; h = 4.
- Google Scholar: Publications -- 111; Citations -- 685; h = 13; i10 = 18.