Draft

**1**−**3 June 2022**

**Conference**

**on Human Health Preservation in the Arctic**

Venue: Northern State Medical University (Arkhangelsk) of the Russian Ministry of Health,

51 Troitsky Avenue, Arkhangelsk

ORGANIZERS:

Russian Ministry for the Development of the Russian Far East and the Arctic

Russian Ministry of Health

Government of the Arkhangelsk Region

Northern State Medical University

**Structure of the conference programme**

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| **RUSSIAN ACADEMIC WORKSHOP ON THE HISTORY OF MARINE MEDICINE DEDICATED TO THE 350TH ANNIVERSARY OF PETER THE GREAT** | | |
| **1 June 2022** | | |
| 09:00−10:00 | **REGISTRATION** | |
| 10:00−13:00 | **PLENARY SESSION** ‘History of Marine Medicine’  (Marine Medicine Room 2403) | |
| 13:00−14:00 | **Lunch** | |
| 14:00−16:00 | **BREAKOUT SESSIONS** (at Arkhangelsk museums) | |
| **SECTION** ‘Topical Issues of Marine Medicine’ (Room 1198) | **ROUNDTABLE** ‘Nutrition as a Factor in Health Preservation in the Arctic’ (Room 2240 of the Academic Council Hall) |
| 16:30 | **CULTURAL PROGRAMME** | |
| 19:00 | **Dinner** | |
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| **Conference**  **on Human Health Preservation in the Arctic** | | |
| **2 June 2022** | | |
| 09:00−10:00 | **REGISTRATION** | |
| 10:00−12:00 | **PLENARY SESSION**  ‘Medicine in the Arctic: Present and Future’  (Assembly Hall) | |
| 12:00−12:30 | **Coffee break** | |
| 12.30−14:30 | **BREAKOUT SESSIONS** | |
|  | **SECTION 1** ‘Prospects for the Development of Healthcare in the Arctic’  (Assembly Hall) | **SECTION 2** ‘Problems Related to Climate Change and Biological Safety in the Arctic’  (Room 2102) |
| 14.30−15:30 | **Lunch** | |
| 15:30−17:30 | **BREAKOUT SESSIONS** | |
|  | **SECTION 3** ‘Chemical Safety and Public Health in the Arctic’  (Assembly Hall) | **SECTION 4** ‘Medical and Biological Problems of Human Activities in the Arctic’  (Room 2102) |
| 18:00 | **CULTURAL PROGRAMME** | |
| 20:30 | **Dinner** | |
| **3 June 2022** | | |
| 09:00−11:00 | **SECTION 5** ‘Preserving Children’s Health in the Arctic’  (Assembly Hall) | **SECTION 6** ‘Competition of Scientific Works of Young Scientists’  (Room 2102) |
| 11:00–11:30 | **Coffee break** | |
| 11:30−13:30 | **SECTION 7** ‘Health Risk Assessment and Management of the Working Population in the Arctic’ (Assembly Hall) | **SECTION 8** ‘Roundtable of Arctic Medicine Consortium Participants’  (Room 2102) |
| 13:30–14:30 | **Lunch** | |
| 14:30−16:30 | **SECTION 9** ‘Experience in Implementing Startups and Innovative Projects for Public Health in the Arctic’(Assembly Hall) | **SECTION 10** ‘Mental Health of the Arctic Population’  (Room 2102) |
| 16:30–17:00 | **CONFERENCE CLOSING CEREMONY**  (Assembly Hall) | |
| 18:00 | **Dinner** | |

**PROGRAMME OF THE Conference**

**on Human Health Preservation in the Arctic**

**2 June 2022**

**CONFERENCE OPENING CEREMONY**

**PLENARY SESSION ‘MEDICINE IN THE ARCTIC: PRESENT AND FUTURE’**

**Assembly Hall, 10:00–12:00**

**Moderator:**

**Evelina Zakamskaya**, Host, Russia-24 TV Channel

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| 10:00–10:40 | **Welcoming remarks:**  **Alexander Tsybulsky**, Governor of the Arkhangelsk Region, Arkhangelsk  **Marat Shamyunov**, Deputy Minister for the Development of the Russian Far East and the Arctic  **Inessa Genchikova**, Deputy Director, Department of Monitoring, Analysis and Strategic Healthcare Development, Russian Ministry of Health, Moscow  **Yevgeny Bryun**, Doctor of Medical Sciences; Professor; Chief Independent Psychiatrist and Narcologist, Russian Ministry of Health; President, Moscow Applied Research Centre for Narcology, Moscow City Health Department, Moscow  **Lyubov Gorbatova**, Doctor of Medical Sciences; Professor; Rector, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 10:40–11:00 | **Target-Oriented Approach to the Development of Science and Technology in Arctic Medicine and Human Ecology in Extreme Climatic and Geographical Conditions**  *Igor Bobrovnitsky*,Doctor of Medical Sciences; Professor; Corresponding Member, Russian Academy of Sciences; Chairman, Public Commission for Arctic Medicine of the ‘Association of Polar Explorers’ International Public Organization; Chairman, Commission of the Scientific Council, Department of Medical Sciences of the Russian Academy of Sciences on Medical Problems of the Arctic, Moscow |
| 11:00–11:20 | **Report (topic to be confirmed)**  *Inessa Genchikova*, Deputy Director, Department of Monitoring, Analysis and Strategic Healthcare Development, Russian Ministry of Health, Moscow |
| 11:20–11:40 | **Report (topic to be confirmed)**  Russian Federal Medical‑Biological Agency, Moscow |
| 11:40–12:00 | **Report (topic to be confirmed)**  Russian Ministry for the Development of the Russian Far East and the Arctic, Moscow |
| 12:00–12:30 | **Break** |

**BREAKOUT SESSIONS**

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| **SECTION 1 ‘Prospects for the Development of Healthcare in the Arctic’** |

**2 June, 12:30–14:30**

**Assembly Hall**

**Moderators:**

**Olesya Starzhinskaya**,Deputy Chairwoman of the Government of the Arkhangelsk Region, Arkhangelsk

**Roman Buzinov**, Doctor of Medical Sciences; Associate Professor; Deputy Director for Research, North-West Public Health Research Centre, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, St. Petersburg

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| 12:30–12:40 | **Development of Medical Expertise in the Arctic**  *Olesya Starzhinskaya*,Deputy Chairwoman of the Government of the Arkhangelsk Region, Arkhangelsk |
| 12:40–12:50 | **Training of a Medical Workforce for the Arctic Zone of the Russian Federation**  *Lyubov Gorbatova*, Doctor of Medical Sciences; Professor; Rector, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 12:50–13:00 | **Report topic to be confirmed**  *Galina Sakharova*, Doctor of Medical Sciences; Professor; Chief Researcher, Department of Public Health and Demography, Russian Research Institute of Health, Russian Ministry of Health, Moscow |
| 13:00–13:10 | **Assessment of the Arkhangelsk Region Population’s Satisfaction with the Quality of Solutions to Healthcare Problems**  *Anatoly Sannikov*, Doctor of Medical Sciences; Professor, Department of Public Health, Healthcare, and Social Work, Northern State Medical University, Russian Ministry of Health, Arkhangelsk  *Edgar Mordovsky*, Doctor of Medical Sciences; Director, Department of Public Health, Healthcare, and Social Work, Northern State Medical University, Arkhangelsk |
| 13:10–13:20 | **Geoportal ‘Sanitary and Epidemiological Wellbeing of the Population in the Russian Arctic’: Experience from Creation and Introduction Based on the Example of the Arkhangelsk Region**  *Roman Buzinov*, Doctor of Medical Sciences; Associate Professor; Deputy Director for Research, North-West Public Health Research Centre, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, St. Petersburg  *Vladimir Fyodorov*, Researcher, Division for the Analysis, Evaluation, and Forecasting, Division for Research on the Environment and Health of the Population in the Arctic Zone of the Russian Federation, North-West Public Health Research Centre, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, St. Petersburg |
| 13:20–13:30 | **Experience of and Prospects for Using Electronic Medical Data for Public Health Research in the Arctic**  *Alexander Kudryavtsev*, PhD, Director, International Centre for Scientific Expertise, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 13:30–13:40 | **Using Population Birth Register Data for Perinatal Auditing in the Arctic**  *Vitaly Postoyev*, Candidate of Medical Sciences; PhD.; Associate Professor, Department of Public Health, Healthcare, and Social Work, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 13:40–13:50 | **Pressing Challenges of Organizing Medical Care in the Arctic Zone of the Republic of Sakha (Yakutia)**  *Alena Nikitina*, Chief Physician, Republic of Sakha (Yakutia) Centre for Public Health and Medical Preventive Measures, Yakutsk |
| 13:50–14:00 | **Modern Training of the Medical Workforce for Work in a Remote Industrial Healthcare Environment**  *Natalya Lukyanova*, Doctor of Philosophy; Scientific Director, Institute of Integrative Healthcare, Siberian State Medical University, Russian Ministry of Health, Tomsk |
| 14:00–14:10 | **Integrated Telemedicine System with Artificial Intelligence and Big Data Analytics for the Health Protection and Social Services for People Living and Working in the Arctic Zone and the Northern Sea Route of the Russian Federation**  *Mikhail Natenzon*, Chairman of the Board of Directors, National Telemedicine Agency Scientific and Production Association and ATB Electronics, Moscow |
| 14:10–14:30 | **Discussion** |

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| **SECTION 2 ‘Problems Related to Climate Change and Biological Safety in the Arctic’** |

**2 June, 12:30–14:30**

**Room 2102**

**Moderators:**

**Boris Revich**, Doctor of Medical Sciences; Professor; Chief Researcher and Director, Laboratory for Predicting the Quality of the Environment and Public Health, Institute of Economic Forecasting, Russian Academy of Sciences, Moscow

**Andrey Grzhibovsky**, PhD, Director, Department for Scientific and Innovative Work, Northern State Medical University, Russian Ministry of Health, Arkhangelsk

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| 12:30–12:40 | **Health and Climate in the Context of the Social Sustainable Development of the Arctic**  *Boris Revich*, Doctor of Medical Sciences; Professor; Chief Researcher and Director, Laboratory for Predicting the Quality of the Environment and Public Health, Institute of Economic Forecasting, Russian Academy of Sciences, Moscow |
| 12:40–12:50 | **Influence of Air Temperature Fluctuations on Strokes in a City with a Severe Continental Climate**  *Lazzat Zhamaliyeva*, Director, Department of Family Medicine, West Kazakhstan Marat Ospanov Medical University, Aktobe, Kazakhstan |
| 12:50–13:00 | **Assessment of the Relationship between Mortality from Circulatory System Diseases and Weather and Climate Factors in Yakutsk in 2011–2020**  *Aida Korosteleva*, Director, Republic of Sakha (Yakutia) Medical Information Analytical Centre, Yakutsk |
| 13:00–13:10 | **Relationship between Temperature and Mortality from Cardiovascular Disease during the Cold Season in Almaty, Kazakhstan**  *Sundetgali Kalmakhanov*, Deputy Director for Research, Innovation, and International Relations, Graduate School of Public Health, Al-Farabi Kazakh National University, Almaty, Kazakhstan |
| 13:10–13:20 | **Influence of Weather and Climate Factors on the Mortality Rate in the Regional Centres of Russia’s European North**  *Andrey Grzhibovsky*, PhD, Director, Department for Scientific and Innovative Work, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 13:20-13:30 | **Climatic Factors and Mortality in Krasnoyarsk**  *Artyom Narkevich*, Doctor of Medical Sciences; Director, Department of Medical Cybernetics and Informatics, Voyno-Yasenetsky Krasnoyarsk State Medical University, Krasnoyarsk |
| 13:30-13:40 | **Epidemiological Situation with Tuberculosis in the Arctic Zone of the Russian Federation**  *Andrey Maryandyshev*, Doctor of Medical Sciences; Professor; Corresponding Member, Russian Academy of Sciences; Chair, Department of Phthisiopulmonology, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 13:40-13:50 | **Main Paradigms in the Spread of Socially Significant Infections among the Indigenous Population of the Arctic**  *Zinaida Zagdyn*,Doctor of Medical Sciences; Chief Researcher, Scientific and Methodological Department, St. Petersburg Research Institute of Phthisiopulmonology, Russian Ministry of Health, St. Petersburg |
| 13:50-14:00 | **Mechanisms of Antibiotic Resistance in Hospital K. Pneumoniae Strains and Possible Ways to Overcome Them**  *Ivan Zhiltsov*, Doctor of Medical Sciences; Professor; Chair, Department of Personalized and Evidence-Based Medicine, Faculty of Advanced Training and Retraining, Vitebsk State Order of Peoples’ Friendship Medical University, Vitebsk, Republic of Belarus |
| 14:00–14:10 | **The North-West Public Health Research Centre’s Involvement in Implementing the Sectoral Action Plan for the First Stage of Adaptation to Climate Change in Ensuring the Sanitary and Epidemiological Wellbeing of the Population for 2022**  *Sergey Noskov*, Candidate of Medical Science, Senior Research Fellow, North-West Public Health Research Centre, St. Petersburg |
| 14:10–14:30 | **Discussion** |

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| **SECTION 3 ‘Chemical Safety and Public Health in the Arctic’** |

**2 June, 15:30−17:30**

**Assembly Hall**

**Moderators:**

**Valery Chashchin**, Doctor of Medical Sciences; Professor; National Research University Higher School of Economics, Moscow

**Tatyana Unguryanu**, Doctor of Medical Sciences; Vice-Rector for Research and Innovation, Northern State Medical University, Russian Ministry of Health, Arkhangelsk

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| 15:30–15:40 | **Syndemic Approaches to Public Health Risks in the Arctic**  *Valery Chashchin*, Doctor of Medical Sciences; Professor; National Research University Higher School of Economics, Moscow |
| 15:40–15:50 | **Toxicological Threats to the Arctic Zone of the Russian Federation and Ways to Eliminate them**  *Yury Barachevsky*, Doctor of Medical Sciences; Professor; Chair, Department of Mobilization Training in Healthcare and Disaster Medicine, Northern State Medical University, Arkhangelsk |
| 15:50–16:00 | **Assessment of the Chemical Safety of Local Foods for Public Health in the Arctic**  *Tatyana Unguryanu*, Doctor of Medical Sciences; Vice-Rector for Research and Innovation, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 16:00–16:10 | **Regional Factors of the Manmade Impact on Public Health of the Murmansk Region**  *Alla Martynova*, Candidate of Biological Sciences; Senior Research Fellow and Chair of the Scientific Department, Research Centre for Medical and Biological Problems of Human Adaptation in the Arctic, Kola Scientific Centre, Russian Academy of Sciences, Apatity |
| 16:10–16:20 | **Assessment of the Risk to Public Health in the Murmansk Region Associated with Drinking Water Quality**  *Yulia Novikova*, Chair, Department of Analysis, Evaluation, and Forecasting, North-West Public Health Research Centre, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, St. Petersburg |
| 16:20–16:30 | **Main Results of the Project to Develop Methodology for and Introduce a Biological Monitoring System in the Arctic Zone of the Russian Federation**  *Tatyana Sorokina*, Director, Arctic Biomonitoring Laboratory, Lomonosov Northern (Arctic) Federal University, Arkhangelsk |
| 16:30–16:40 | **Level of Polychlorinated Biphenyls and Organochlorine Pesticides in the Blood Serum of Arctic Inhabitants**  *Yulia Varakina*, Engineer, Arctic Biomonitoring Laboratory, Lomonosov Northern (Arctic) Federal University, Arkhangelsk |
| 16:40–16:50 | **Use of Danio Rerio Fish as a Model Organism for Assessing the Reproductive Risks of Exposure to Polychlorinated Biphenyls in Arctic Inhabitants**  *Dmitry Kotsur*, Laboratory Assistant and Researcher, Arctic Biomonitoring Laboratory, Lomonosov Northern (Arctic) Federal University, Arkhangelsk |
| 16:50–17:00 | **Shift Work in the Arctic: Focus on Health Preservation**  *Galina Degteva*, Doctor of Medical Sciences; Professor, Department of Hygiene and Medical Ecology, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 17:00–17:30 | **Discussion** |

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| **SECTION 4 ‘Medical and Biological Problems of Human Activities in the Arctic’** |

**2 June, 15:30−17:30**

**Room 2102**

**Moderators:**

**Oleg Dolgikh**, Doctor of Medical Sciences; Professor; Chair, Department of Immunobiological Diagnostic Methods, Federal Scientific Centre for Medical Preventive Technologies to Manage Public Health Risks, Perm

**Nadezhda Vorobyova**, Doctor of Medical Sciences; Professor; Chair, Department of Clinical Pharmacology and Pharmacotherapy, Northern State Medical University, Russian Ministry of Health, Arkhangelsk

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| 15:30–15:40 | **Special Aspects of Detoxification Genes in the Nenets Population of the Nenets Autonomous District**  *Nadezhda Vorobyova*, Doctor of Medical Sciences; Professor; Chair, Department of Clinical Pharmacology and Pharmacotherapy, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 15:40–15:50 | **Special Aspects of Genetic Polymorphism and Immune Regulation in Children Living in the Far North**  *Oleg Dolgikh*, Doctor of Medical Sciences; Professor; Chair, Department of Immunobiological Diagnostic Methods, Federal Scientific Centre for Medical Preventive Technologies to Manage Public Health Risks, Perm |
| 15:50–16:00 | **Alcohol-Related Risk Factors for Atherosclerosis in the Arctic**  *Natalya Solovyova*, Doctor of Medical Sciences; Associate Professor; Chair, Department of Pathological Physiology, Northern State Medical University, Arkhangelsk  *Alexander Kudryavtsev*, PhD, Director, International Centre for Scientific Expertise, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 16:00–16:10 | **Physiological and Biochemical Foundations of Human Life in the North**  *Yevgeny Boyko*, Doctor of Medical Sciences; Professor; Director, Institute of Physiology, Komi Scientific Centre, Ural Branch of the Russian Academy of Sciences, Syktyvkar |
| 16:10–16:20 | **Ratio of the Content of the Extracellular Pool of Signalling Molecules and the Activity of Intercellular Blood Contacts in Normal and Pathological Conditions of the Cardiovascular System (Ischemic Heart Disease and Hypertension)**  *Lilia Dobrodeyeva*, Doctor of Medical Sciences; Professor; Director, Institute of Physiology of Natural Adaptation, Laverov Federal Centre for Integrated Arctic Research, Ural Branch of the Russian Academy of Sciences, Arkhangelsk  *Anna Samodova*, Candidate of Biological Sciences; Director, Laboratory of Immunity Regulatory Mechanisms, Institute of Physiology of Natural Adaptation, Laverov Federal Centre for Integrated Arctic Research, Ural Branch of the Russian Academy of Sciences, Arkhangelsk |
| 16:20–16:30 | **Variants of the Reactivity of EEG Rhythms, the Cardiovascular System, and the Level of Lactoferrin in a Human’s Overall Air Cooling**  *Yelena Krivonogova*, Candidate of Biological Sciences; Senior Research Fellow, Laboratory of Biorhythmology, Institute of Physiology of Natural Adaptation, Laverov Federal Centre for Integrated Arctic Research, Ural Branch of the Russian Academy of Sciences, Arkhangelsk  *Lilia Poskotinova*, Doctor of Biological Sciences; Director, Laboratory of Biorhythmology, Institute of Physiology of Natural Adaptation, Laverov Federal Centre for Integrated Arctic Research, Ural Branch of the Russian Academy of Sciences, Arkhangelsk |
| 16:30–16:40 | **Immune Status in Persons with Socially Significant Diseases**  *Olga Morozova*, Candidate of Biological Sciences; Researcher, Laboratory of Physiology of Immunocompetent Cells, Institute of Physiology of Natural Adaptations, Laverov Federal Centre for Integrated Arctic Research, Ural Branch of the Russian Academy of Sciences, Arkhangelsk |
| 16:40–16:50 | **Molecular Biological Correlates of Creativity in the Extreme Conditions of the Arctic Zone of the Russian Federation**  *Irina Spivak*, Doctor of Medical Sciences; Senior Research Fellow, Research Centre, Kirov Military Medical Academy, St. Petersburg |
| 16:50–17:00 | **Different Morpho-Functional Types of Servicemen in High Latitudes: Functional States of the Cardiovascular System**  *Andrey Zhekalov*, Doctor of Medical Sciences; Senior Research Fellow, Research Centre, Kirov Military Medical Academy, St. Petersburg |
| 17:00–17:10 | **Methodology for Determining Iodine Status Based on the Example of the Nenets Autonomous District**  *Rimma Korobitsyna*, Engineer; Arctic Biomonitoring Laboratory, Lomonosov Northern (Arctic) Federal University, Arkhangelsk |
| 17:10–17:30 | **Discussion** |

**3 June 2022**

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| **SECTION 5 ‘Preserving Children’s Health in the Arctic’** |

**3 June, 09:00**–**11:00**

**Assembly Hall**

**Moderators:**

**Alexander Gershtansky**, Acting Minister of Health of the Arkhangelsk Region, Arkhangelsk

**Svetlana Malyavskaya**, Doctor of Medical Sciences; Professor; Chair of the Department of Paediatrics, Northern State Medical University, Russian Ministry of Health, Arkhangelsk

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| 09:00–09:10 | **Implementation of the ‘Reproductive Health’ Pilot Project in the Arkhangelsk Region**  *Alexander Gershtansky*, Acting Minister of Health of the Arkhangelsk Region, Arkhangelsk |
| 09:10–09:20 | **Formation of Metabolic Disorders (Based on the Example of Non-Alcoholic Fatty Hepatosis in Adolescents of the Arkhangelsk Region)**  *Svetlana Malyavskaya*, Doctor of Medical Sciences; Professor; Chair of the Department of Paediatrics, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 09:20–09:30 | **Special Aspects of Children’s Health in Pomorye**  *Irina Pastbina*, Candidate of Medical Sciences; Assistant Professor, Department of Propaedeutics of Childhood Diseases and Polyclinic Paediatrics, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 09:30–09:40 | **Newborn Health in Russia’s Arctic Zone: Are There Resources for Improvement?**  *Anna Usynina*, Doctor of Medical Sciences; Chair, Department of Neonatology, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 09:40–09:50 | **Infant Mortality from Non-Medical Causes in Russia’s European North (Based on the Example of the Komi Republic): Diagnostic and Prevention Problems**  *Natalya Korableva*, Doctor of Medical Sciences; Chair, Paediatrics Department, Medical Institute, Pitirim Sorokin Syktyvkar State University, Syktyvkar |
| 09:50–10:00 | **Regional Initiative ‘Siberian School: Territory of Health’**  *Irina Novikova*, Doctor of Medical Sciences; Professor; Director, Novosibirsk Research Institute of Hygiene, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Novosibirsk  *Pavel Veynikh*, Candidate of Medical Sciences; Leading Research Fellow, Novosibirsk Research Institute of Hygiene, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Novosibirsk |
| 10:00–10:10 | **Respiratory Morbidity in Children during the COVID-19 Pandemic: Additional Risks in the Industrial Centres of Siberia**  *Natalya Yefimova*, Doctor of Medical Sciences; Professor; Leading Research Fellow, East Siberian Institute of Medical and Ecological Research, Angarsk |
| 10:10–10:20 | **Post-Covid Syndrome and Neurological Risks: Do Hygiene Standards Need to Be Revised?**  *Yelena Radoutskaya*, Candidate of Medical Sciences; Chief Research Fellow, Novosibirsk Research Institute of Hygiene, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Novosibirsk  *Igor Bogdashin*, Candidate of Medical Sciences; Leading Research Fellow, Novosibirsk Research Institute of Hygiene, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Novosibirsk |
| 10:20–10:30 | **Certain Approaches to Optimizing Medical Care for Children in Far North Regions**  *Vyacheslav Chasnyk*, Doctor of Medical Sciences; Professor; Chair, Department of Hospital Paediatrics, St. Petersburg State Paediatric Medical University, St. Petersburg |
| 10:30–11:00 | **Discussion** |

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| **SECTION 6 ‘Competition of Scientific Works of Young Scientists’** |

**3 June, 09:00**–**11:00**

**Room 2102**

Time limit for reports – 10 minutes, Q&A – 5 minutes

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| 09:00–09:15 | **Experience in the Practical Use of Methodology for the Integral Assessment of Drinking Water Quality**  *Nadezhda Tikhonova*, Junior Research Fellow, Division for the Analysis, Evaluation, and Forecasting, Division for Research on the Environment and Health of the Population in the Arctic Zone of the Russian Federation, North-West Public Health Research Centre, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, St. Petersburg |
| 09:15–09:30 | **Working Conditions of Medical Workers in Multidisciplinary Hospitals of Russia’s European North**  *Yelizaveta Dubel*, Candidate of Medical Sciences; Epidemiologist, Blokhin Russian Cancer Research Centre, Russian Ministry of Health, Moscow |
| 09:30–09:45 | **Effect of Air Temperature on Blood Pressure in the Adult Population in Conditions Similar to the Far North**  *Tatyana Rastokina*, PhD student, Department of Hygiene and Medical Ecology, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 09:45–10:00 | **Ecological Approach to Studying the Influence of Daylight Length on the Functional State of the Human Central Nervous System**  *Mikhail Kunavin*, Candidate of Biological Sciences; Associate Professor, Department of Human Biology and Biotechnical Systems, Lomonosov Northern (Arctic) Federal University, Arkhangelsk |
| 10:00–10:15 | **Device for Measuring Glucose in Gingival Fluid**  *Polina Pochinkova*, Assistant, Department of Paediatric Dentistry, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 10:15–10:30 | **Assessment of the Transport Functions of Serum Immunoglobulins among Residents of Russia’s European Arctic Territory**  *Ksenia Pashinskaya*, Junior Research Fellow, Institute of Physiology of Natural Adaptation, Laboratory of Immunity Regulatory Mechanisms, Laverov Federal Centre for Integrated Arctic Research, Ural Branch of the Russian Academy of Sciences, Arkhangelsk |
| 10:30–10:45 | **Parameters of Peripheral Venous Blood in Adolescents of the Murmansk Region**  *Yelena Kontievskaya*, Junior Research Fellow, Laboratory of Ecological Immunology, Institute of Physiology of Natural Adaptation, Laverov Federal Centre for Integrated Arctic Research, Ural Branch of the Russian Academy of Sciences |
| 10:45–11:00 | **Effect of Cold Stress on Immunity Parameters Depending on the Energy Supply Level of Peripheral Blood Lymphocytes**  *Sergey Kruglov*, Post-Graduate Student, Laverov Federal Centre for Integrated Arctic Research, Ural Branch of the Russian Academy of Sciences |

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| **SECTION 7 ‘Health Risk Assessment and Management of the Working Population in the Arctic’** |

**3 June, 11:30–13:30**

**Assembly Hall**

**Moderators:**

**Mikhail Sorokin**, Candidate of Medical Sciences; Academic Secretary, Bekhterev National Research Medical Centre of Psychiatry and Neurology, Russian Ministry of Health, St. Petersburg

**Yana Korneyeva**, Candidate of Psychological Sciences; Associate Professor, Department of Psychology, Lomonosov Northern (Arctic) Federal University, Arkhangelsk

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| 11:30–11:40 | **Psychophysiological Studies as an Integral Part of the Health Assessment of Employees of United Shipbuilding Corporation**  *Oleg Ponomarev*, Director, Central Medical and Sanitary Unit No. 58, Russian Federal Medical-Biological Agency, Severodvinsk |
| 11:40–11:50 | **Psychological Risks of Rotational Professional Activities in the Arctic**  *Natalya Simonova*, Doctor of Psychological Sciences; Professor, Leading Research Fellow, Laboratory of Labour Psychology, Faculty of Psychology, Lomonosov Moscow State University, Moscow  *Yana Korneyeva*, Candidate of Psychological Sciences; Associate Professor, Department of Psychology, Lomonosov Northern (Arctic) Federal University, Arkhangelsk |
| 11:50–12:00 | **Special Aspects of the Emotional State of Anaesthesiologists and Resuscitators of the Arctic Region during the COVID-19 Pandemic**  *Irina Novikova*, Doctor of Medical Sciences; Professor, Department of Family Medicine and Internal Diseases, Northern State Medical University, Russian Ministry of Health, Arkhangelsk  *Maria Korekhova*, Candidate of Psychological Sciences; Associate Professor, Department of Psychology, Lomonosov Northern (Arctic) Federal University, Arkhangelsk |
| 12:00–12:10 | **Special Aspects of Stress Reactions among the Population of Russia’s Northern Regions During the COVID-19 Pandemic**  *Mikhail Sorokin*, Candidate of Medical Sciences; Academic Secretary, Bekhterev National Research Medical Centre of Psychiatry and Neurology, Russian Ministry of Health, St. Petersburg |
| 12:10–12:20 | **New Technologies to Reduce the Risk of Cardiovascular Accidents among Workers at Remote Arctic Oil and Gas Fields**  *Maxim Chashchin*, Doctor of Medical Sciences; Professor; Director, Research Laboratory of Arctic Medicine, Mechnikov North-Western State Medical University, St. Petersburg  *Oleg Lezhnev*, Candidate of Medical Sciences; Director of Industrial Medicine, SOGAZ Occupational Medicine, St. Petersburg  *Alexey Kalugin*, Chief Specialist for Occupational Health and Safety, Gazprom Neft Yamal, Tyumen |
| 12:20–12:30 | **Approaches to Assessing the Risk of Health Disorders during Winter Work in Open Areas**  *Yekaterina Polyakova*, Junior Research Fellow, Department of Research on the Habitat and Health of the Population in the Arctic Zone of the Russian Federation, North-West Public Health Research Centre, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, St. Petersburg |
| 12:30–12:40 | **Assessment and Management of Health Risks for Employees of Mining and Metallurgical Enterprises in the Arctic**  *Sergey Syurin*, Doctor of Medical Sciences; Chief Research Fellow, Department of Research on the Habitat and Health of the Population in the Arctic Zone of the Russian Federation, North-West Public Health Research Centre, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, St. Petersburg  *Alexander Kovshov*, Candidate of Medical Sciences; Senior Research Fellow, Department of Research on the Habitat and Health of the Population in the Arctic Zone of the Russian Federation, North-West Public Health Research Centre, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, St. Petersburg |
| 12:40–12:50 | **Special Gender and Age Aspects of Postural Balance among Active Elderly People**  *Alexander Demin*, Candidate of Biological Sciences; Associate Professor, Department of Human Biology and Biotechnical Systems, Lomonosov Northern (Arctic) Federal University, Arkhangelsk  *Lidia Baderdinova*, Master’s Student, Lomonosov Northern (Arctic) Federal University, Arkhangelsk |
| 12:50–13:30 | **Discussion** |

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| **SECTION 8 ‘Roundtable of Arctic Medicine Consortium Participants’** |

**3 June, 11:30–13:30**

**Room 2102**

**Moderators:**

**Tatyana Unguryanu**, Doctor of Medical Sciences; Vice-Rector for Research and Innovation, Northern State Medical University, Russian Ministry of Health, Arkhangelsk

**Alexander Grechany**, Candidate of Economic Sciences, Deputy General Director for Government Relations, Belozoriye Agroholding Management Company, Arkhangelsk

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| 11:30–11:40 | **Arctic Medicine Consortium**  *Tatyana Unguryanu*, Doctor of Medical Sciences; Vice-Rector for Research and Innovation, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 11:40–11:50 | **Integrated Approach to Organized Nutrition among Certain Groups of the Arctic Zone of the Russian Federation**  *Galina Degteva*, Doctor of Medical Sciences; Professor, Department of Hygiene and Medical Ecology, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 11:50–12:00 | **Study of the Influence of Weather and Climate Factors on People’s Health in Russia’s Northern Regions**  *Andrey Grzhibovsky,* PhD; Chair, Department of Research and Innovation, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 12:00–12:10 | **Mental Health Cooperation**  *Andrey Solovyov*, Doctor of Medical Sciences; Professor; Chair, Department of Psychiatry and Clinical Psychology, Northern State Medical University, Arkhangelsk |
| 12:10–12:20 | **Study Focuses of the Research Centre for Medical and Biological Problems of Human Adaptation in the Arctic at the Kola Scientific Centre of the Russian Academy of Sciences**  *Oksana Gontar*, Candidate of Biological Sciences; Deputy Director for Science, Research Centre for Medical and Biological Problems of Human Adaptation in the Arctic, Kola Scientific Centre, Russian Academy of Sciences, Apatity |
| 12:20–12:30 | **Functional Nutrition as a Focus for Cooperation of the Arctic Medicine Consortium**  *Andrey Kuzin*, Candidate of Technical Sciences; Vice-Rector for Research, Vereshchagin Vologda State Dairy Academy, Vologda |
| 12:30–12:40 | **Cooperation between Arkhangelsk Algae Plant and Scientific and Educational Partners as part of the Arctic Medicine Consortium**  *Artyom Ivanov*, General Director, Arkhangelsk Algae Plant, Arkhangelsk |
| 12:40–13:30 | **Discussion**  **Coordination of the work of the Arctic Medicine Consortium** |

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| **SECTION 9 ‘Experience in Implementing Startups and Innovative Projects for Public Health in the Arctic’** |

**3 June, 14:30–16:30**

**Assembly Hall**

**Moderators:**

**Alexey Korotenkov**, Deputy Minister; Director, Science and Innovation Department, Ministry of Economic Development, Industry, and Science of the Arkhangelsk Region, Arkhangelsk

**Mikhail Ananyan**, Doctor of Technical Sciences; General Director, Advanced Technologies, Moscow

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| 14:30–14:40 | **State Support Tools for Innovative Projects in the Arkhangelsk Region**  *Alexey Korotenkov*, Deputy Minister; Director, Science and Innovation Department, Ministry of Economic Development, Industry, and Science of the Arkhangelsk Region, Arkhangelsk |
| 14:40–14:50 | **Collaboration Problems between Industrial Enterprises and Scientific Organizations in the Implementation of Innovative Projects**  *Alexander Grechany*, Candidate of Economic Sciences, Deputy General Director for Government Relations, Belozoriye Agroholding Management Company, Arkhangelsk |
| 14:50–15:00 | **Biotechnology Projects of the Russian Arctic World-Class Scientific and Educational Centre**  *Marat Yeseyev*, Doctor of Physics and Mathematics; Vice-Rector for Innovative Development, Lomonosov Northern (Arctic) Federal University; Scientific Supervisor, Russian Arctic World-Class Scientific and Educational Centre, Arkhangelsk |
| 15:00–15:10 | **Nanotechnologies using Taxifolin and Nanosilver**  *Mikhail Ananyan*, Doctor of Technical Sciences; General Director, Advanced Technologies, Moscow |
| 15:10–15:20 | **Development of Innovative Products Based on the Deep Processing of the Renewable Biological Resources of the Arctic Zone of the Russian Federation: Experience from Implementing Student Startups**  *Ilya Krylov*, Doctor of Medical Sciences; Director, Institute of Pharmacology and Pharmacy, Northern State Medical University, Russian Ministry of Health, Arkhangelsk |
| 15:20–15:30 | **Use of Seaweed in Medicine**  *Konstantin Bogolitsyn*, Doctor of Chemical Sciences; Professor; Chair, Department of Theoretical and Applied Chemistry, Lomonosov Northern (Arctic) Federal University, Arkhangelsk |
| 15:30–15:40 | **Information Technologies in Medicine. Special Aspects Opportunities for Development**  *Alexey Markov*, Acting Director, Medical Information and Analytical Centre, Arkhangelsk |
| 15:40–15:50 | **Protection of Research Data and Compliance with Data Security Laws**  *Yevgenia Nezgovorova*, Deputy Director for Information Security, Shartrez Information Security Centre, Arkhangelsk |
| 15:50–16:00 | **Biological and Medical Technology Cluster. Support Measures of the Skolkovo Foundation**  *Vladimir Yegorov*, Director, Operations of the Biological and Medical Technology Cluster, Skolkovo Foundation, Moscow |
| 16:00–16:10 | **Sechenov University’s Network National Centre for the Transfer of Medical and Pharmaceutical Technologies**  *Mikhail Arbatsky*, Analyst, Centre for Industrial Technologies and Entrepreneurship, Sechenov University, Russian Ministry of Health, Moscow |
| 16:10–16:30 | **Discussion** |

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| **SECTION 10 ‘Mental Health of the Arctic Population’** |

**3 June, 14:30–16:30**

**Room 2102**

**Moderators:**

**Yevgeny Bryun**, Doctor of Medical Sciences; Professor; Chief Independent Psychiatrist and Narcologist, Russian Ministry of Health; President, Moscow Applied Research Centre for Narcology, Moscow City Health Department, Moscow

**Andrey Solovyov**, Doctor of Medical Sciences; Professor; Chair, Department of Psychiatry and Clinical Psychology, Northern State Medical University, Russian Ministry of Health, Arkhangelsk

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| 14:30–14:40 | **Analysis of the Causes of Mortality among the Population Due to the Use of Psychoactive Substances in the Arctic Regions**  *Yevgeny Bryun*, Doctor of Medical Sciences; Professor; Chief Independent Psychiatrist and Narcologist, Russian Ministry of Health; President, Moscow Applied Research Centre for Narcology, Moscow City Health Department, Moscow  *Yevgenia Koshkina*, Doctor of Medical Sciences; Professor; Chief Research Fellow, Moscow Applied Research Centre for Narcology, Moscow City Health Department, Moscow  *Yulia Shevtsova*, Candidate of Medical Sciences, Leading Research Fellow, Moscow Applied Research Centre for Narcology, Moscow City Health Department, Moscow  *Margarita Smirnovskaya*, Research Fellow, Moscow Applied Research Centre for Narcology, Moscow City Health Department, Moscow |
| 14:40–14:50 | **Mental Health of Internal Affairs Employees Serving in the Arctic Zone of the Russian Federation**  *Yelena Ichitovkina*, Doctor of Medical Sciences; Associate Professor; Chief Psychiatrist, Russian Ministry of Internal Affairs, Moscow |
| 14:50–15:00 | **Psychotherapeutic Approaches to Prevent the Effects of Stress in the Workplace in the Arctic**  *Oksana Gontar*, Candidate of Biological Sciences; Deputy Director for Science, Research Centre for Medical and Biological Problems of Human Adaptation in the Arctic, Kola Scientific Centre, Russian Academy of Sciences, Apatity  *Vladimir Zhirov*, Doctor of Biological Sciences, Acting Director, Research Centre for Medical and Biological Problems of Human Adaptation in the Arctic, Kola Scientific Centre, Russian Academy of Sciences, Apatity  *Vladimir Megorsky*, Candidate of Medical Sciences, Deputy Director for Science, Research Laboratory – Branch of the North-West Public Health Research Centre, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Kirovsk |
| 15:00–15:10 | **Social and Psychological Stability of the Elderly in the Arctic Region**  *Andrey Solovyov*, Doctor of Medical Sciences; Professor; Chair, Department of Psychiatry and Clinical Psychology, Northern State Medical University, Arkhangelsk  *Yelena Golubeva,* Doctor of Biological Sciences; Professor, Department of Social Work and Social Security, Lomonosov Northern (Arctic) Federal University, Arkhangelsk |
| 15:10–15:20 | **Analysis of Alcohol Dependence Syndrome in the Regions of the Chukotka Autonomous District**  *Alexander Kovshov*, Candidate of Medical Sciences; Junior Research Fellow, North-West Public Health Research Centre, Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, St. Petersburg |
| 15:20–15:30 | **Pomeranian Model of Medical Care for People with Mental Disorders**  *Elvira Konoplenko*, Deputy Chief Medical Officer, Arkhangelsk Clinical Psychiatric Hospital, Arkhangelsk |
| 15:30–15:40 | **Assessment of the State of Mental Health in Russia’s Northern Regions**  *Larisa Malyshko*, Junior Research Fellow, Scientific and Organizational Department, Bekhterev National Research Medical Centre of Psychiatry and Neurology, Russian Ministry of Health, St. Petersburg, Russian Ministry of Health, St. Petersburg |
| 15:40–15:50 | **Social and Psychological Programmes to Prevent the Use of Alcohol and Other Psychoactive Substances among the Indigenous Peoples of the Arctic**  *Yekaterina Osipova*, Medical Psychologist, Centre for the Prevention of Socially Significant Diseases (Branch), Moscow Applied Research Centre for Narcology, Moscow City Health Department, Moscow |
| 15:50–16:00 | **Motivational Psychotherapy in the Rehabilitation of Substance-Abuse Patients**  *Tatyana Agibalova*, Doctor of Medical Sciences; Chief Research Fellow, Moscow Applied Research Centre for Narcology, Moscow City Health Department, Moscow |
| 16:00–16:10 | **Strategies and Practices to Prevent Addictive Behaviour**  *Yelena Demenko*, Branch Director; Psychiatrist and Narcologist, Centre for the Prevention of Dependent Behaviour (Branch), Moscow |
| 16:10–16:30 | **Discussion** |

**16:30–17:00 Conference closing ceremony, Assembly Hall**