



ERS



RECHARGE  
KYRGYZSTAN



UNIVERSITY OF  
LEICESTER

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COPENHAGEN



Universität  
Zürich<sup>UZH</sup>

ENVIRONMENT, CLIMATE CHANGE, ECOLOGY AND HEALTH

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**INTERNATIONAL SCIENTIFIC MEDICAL FORUM  
XII NATIONAL CONGRESS OF  
THE KYRGYZ THORACIC SOCIETY**



**28-30<sup>th</sup> OF SEPTEMBER 2022, BISHKEK, KYRGYZSTAN**



*Dedicated to the 95<sup>th</sup> anniversary of the memory  
of Academician M. Mirrakhimov*

The forum will also be held on the Zoom online platform; you can join it by clicking on the link below:

<https://us02web.zoom.us/j/83444174433?pwd=ZjJiT0tDOXFuL0xCdS9RY2x1VTh2UT09>

Conference ID: 834 4417 4433

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# **PROGRAMME**

**WEDNESDAY – 28<sup>th</sup> OF SEPTEMBER, 2022**

**INTERNATIONAL SCIENTIFIC MEDICAL FORUM**

**08.00 – 09.00**

**CONFERENCE HALL**

**National Centre of Cardiology and Internal Medicine named  
after academician M. Mirrakhimov**

**THE OPENING CEREMONY**

**Opening speech:** Minister of Health of the Kyrgyz Republic – **Gulnara Baatyrova**  
**Greetings:**

**Konrad E. Bloch**, Prof, Head of the Kyrgyz-Swiss High Altitude Medicine and Research Initiative, University of Zurich (**Switzerland**)

**Sergey Boytsov**, Director General of the Federal State Budgetary Institution "National Medical Research Centre for Cardiology named after Academician E.I. Chazov" of the Ministry of Health of Russian Federation (**Russian Federation**)

**Mark W. Orme**, Global RECHARGE Project (NIHR) coordinator for Cardiac and Pulmonary Rehabilitation, University of Leicester (**UK**)

**Robert L. Skov**, Prof., President of the European Society for Microbiology and Infectious Diseases, Scientific Director of the ICARS Initiative (**Denmark**)

**Susanne Reventlow**, Prof, Head of the scientific program "Global Public Health" (**Denmark**)

**Joanna Chorostowska-Wynimko**, Prof. Secretary General of the European Respiratory Society (**Poland**)

**Greetings and information from the organizing committee:**

**Talant Sooronbaev**, Prof, Chief Pulmonologist of the Ministry of Health of the Kyrgyz Republic, Director of the National Centre of Cardiology and Internal Medicine named after academician M. Mirrakhimov (NCCIM) (**Kyrgyzstan**)

**09.00 – 09.30**

**CONFERENCE HALL**

**National Centre of Cardiology and Internal Medicine named  
after academician M. Mirrakhimov**

**AWARDING YOUNG SCIENTISTS AND CERTIFICATES FOR THE INTERNATIONAL  
EDUCATIONAL AND TRAINING PROGRAMME**

**Moderators:** Erkin Mirrakhimov (Kyrgyzstan), Konrad E. Bloch (Switzerland), Ernest Dzhishambaev, Talant Sooronbaev (Kyrgyzstan), Mark W. Orme (UK), Job van Boven (Netherlands)

**1. Awarding young scientists with the international award of academician  
M. Mirrakhimov**

Dr Michael Furian, Prof Talant Sooronbaev, Prof Ernest Dzhishambaev (on behalf of the Kyrgyz-Swiss High Altitude Medicine and Research Initiative)

2. **Presentation of Grants for training in EchoCG on the basis of the Zurich University Hospital**  
Prof Konrad E. Bloch, Prof Dinara Usupbaeva, Prof Felix Tanner (on behalf of the Swiss Society of Cardiology)
3. **Rewarding young researchers and students with diplomas and a scholarship named after academician M. Mirrakhimov**  
Prof Erkin Mirrakhimov (on behalf of the Academician M. Mirrakhimov Foundation)

**09.30 – 12.00**

**CONFERENCE HALL**

**National Centre of Cardiology and Internal Medicine named  
after academician M. Mirrakhimov**

**MEMORIAL SYMPOSIUM**

dedicated to the 95<sup>th</sup> Anniversary of Academician M. Mirrakhimov

**Chairs:** Gulnara Baatyrova (Kyrgyzstan), Alexander Chuchalin (Russian Federation), Konrad E. Bloch (Switzerland), Abdukhmalim Raimzhanov, Asan Dzhailobaev, Erkin Mirrakhimov, Talant Sooronbaev (Kyrgyzstan)

1. **Movie about academician Mirsaid Mirrakhimov**
2. **High Altitude research in Kyrgyzstan: history, present and future**  
Talant Sooronbaev (Kyrgyzstan)
3. **High Altitude medicine and research: priorities and what to pay attention to today**  
Konrad E. Bloch (Switzerland)
4. **Cardiology after two years of COVID -19: what's next?**  
Sergey Boytsov (Russian Federation)
5. **COPD and cardiovascular disease**  
Joanna Chorostowska (Poland)
  
6. **Memoirs of the first students of academician M. Mirrakhimov**  
Asan Dzhailobaev, Abdukhmalim Raimzhanov, Tashpolot Baltabaev, Tilek Meimanaliev, Ainagul Almerkova, Abyt Ibraimov, Ainagul Dzhumagulova, Ishenbay Moldotashev, Tulkun Murataliev

**12.00 – 12.30**

**National Centre of Cardiology and Internal Medicine named  
after academician M. Mirrakhimov**

**VISITING THE MUSEUM OF ACADEMICIAN M. MIRRAKHIMOV  
AND LAYING FLOWERS TO THE MONUMENT OF  
ACADEMICIAN M. MIRRAKHIMOV**

**12.30 – 14.00 Lunch**



**14.00 – 15.10**

**GRAND HALL - «JANNAT» HOTEL**

**Plenary session**

**ANTIBIOTIC RESISTANCE AND RATIONAL ANTIMICROBIAL  
THERAPY IN KYRGYZSTAN**

**Presentation of the scientific programme of the International Centre for Antimicrobial  
Resistance Solutions (ICARS) in Kyrgyzstan**

**Chairs:** Nurida Zhusupbekova (Kyrgyzstan), Robert L. Skov (Denmark),  
Jesper Kjærgaard (Denmark), Gloria C. Cordoba (Portugal)  
Talanta Sooronbaev (Kyrgyzstan), Raisa Tolobekova (Kyrgyzstan)

**1. International Centre for Antimicrobial Resistance Solutions (ICARS): mission and  
activities in Kyrgyzstan**

Robert L. Skov (Denmark), Gloria C. Cordoba (Portugal), Talanta Sooronbaev  
(Kyrgyzstan)

**2. The COORDINATE: a randomised clinical trial to investigate the possible role of  
the CRP test as an indicator of the prudent use of antibiotics (ICARS in  
Kyrgyzstan).**

Elvira Isaeva (Kyrgyzstan), Jesper Kjærgaard (Denmark)

**3. Antibiotic resistance study of pneumococci and other common bacteria causing  
respiratory infections in children in Kyrgyzstan (ICARS in Kyrgyzstan)**

Joakim Bloch (Denmark), Raisa Tolobekova (Kyrgyzstan), Nargiza Osmonbekova,  
Aigerim Tilebalieva (Kyrgyzstan)

**4. Qualitative study and evaluation of the economic effects of the rational use of  
antibiotics based on the CRP test (ICARS in Kyrgyzstan)**

Maamed Mademilov, Azamat Akyzbekov, Aizhamal Tabyshova (Kyrgyzstan)

**15.10 – 16.40**

**GRAND HALL - «JANNAT» HOTEL**

**Plenary session**

**HIGH ALTITUDE MEDICINE AND PHYSIOLOGY (PART I)**

**Chairs:** Konrad E. Bloch (Switzerland), Samuel Verges (France)  
Erkin Mirrakhimov (Kyrgyzstan)

**1. Topical issues of high altitude physiology**

Michael Furian (Switzerland)

**2. Spirometry in Kyrgyz highlanders and lowlanders**

Stefanie Ulrich (Switzerland)

**3. Cardiovascular diseases in high altitude**

Erkin Mirrakhimov (Kyrgyzstan)

**16.40 – 17.40**  
**GRAND HALL - «JANNAT» HOTEL**  
**Plenary session**  
**HIGH ALTITUDE MEDICINE AND PHYSIOLOGY (PART II)**

**Chairs:** Michael Furian (Switzerland), Talant Sooronbaev (Kyrgyzstan)

- 1. Acute diseases caused by high altitude exposure. Acute mountain sickness and other effects of high altitude during a short stay at altitude**  
Martin Bartscher (Austria)
- 2. Chronic diseases caused by high altitude exposure. Chronic mountain sickness and high altitude pulmonary arterial hypertension.**  
Samuel Verges (France)
- 3. Patients with respiratory disease travelling to high altitude**  
Konrad E. Bloch (Switzerland)

**17.40 – 18.40**  
**GRAND HALL - «JANNAT» HOTEL**  
**School of Family Medicine**  
**CURRENT ISSUES IN RESPIRATORY MEDICINE (PART I)**

**Chairs:** Gulnara Isakova (Kyrgyzstan), Nikita Solovey (Republic of Belarus),  
Kaldygul Duishenbekova (Kyrgyzstan)

- 1. Recommendations for the management of patients with cough in the practice of a family doctor**  
Gulnara Isakova (Kyrgyzstan)
- 2. Allergic rhinitis and its impact on the asthma (ARIA, 2021)**  
Saltanat Shabykeeva, Talant Sooronbaev (Kyrgyzstan)
- 3. Modern mucolytic therapy: what the clinician needs to know?**  
Maamed Mademilov (Kyrgyzstan)
- 4. Diagnosis and treatment of depression in patients with chronic respiratory diseases**  
Talant Sooronbaev (Kyrgyzstan)

**THURSDAY – 29<sup>th</sup> OF SEPTEMBER, 2022**

**08.00 – 10.00**

**Department of Functional Diagnostics of the NCCIM named  
after academician M. Mirrakhimov  
Conference hall of the scientific and educational department of the NCCIM named  
after academician M. Mirrakhimov  
PRACTICAL WORKSHOP - MASTER CLASS  
ECG IN CLINICAL PRACTICE**

**Moderators:** Ernest Dzhishambaev, Nailya Davydova (Kyrgyzstan)

**Participants:** cardiologists, functional diagnostics doctors, family doctors, therapists, clinical residents, graduate students and nurses

The basics of ECG will be presented, practical issues and interpretation of the most common changes in order to early diagnosis of cardiovascular diseases with a high risk of complications and mortality will be covered. This applies primarily to acute myocardial infarction, rhythm and conduction disturbances.

**08.00 – 10.00**

**Department of Functional Diagnostics of the NCCIM named  
after academician M. Mirrakhimov  
Hall of Telemedicine NCCIM named after academician M.M.Mirrakhimov  
PRACTICAL WORKSHOP - MASTER CLASS  
ECHO IN CLINICAL PRACTICE**

**Moderators:** Dinara Usupbaeva, Yrys Madiyarova (Kyrgyzstan)

**Participants:** cardiologists, functional diagnostics doctors, family doctors, therapists, clinical residents and graduate students

The basics of echocardiography will be presented, practical issues and interpretation of the most common changes for the early diagnosis of cardiovascular diseases with a high risk of complications and mortality will be covered.

**08.00 – 10.00**

**Department of Pulmonology, Allergology and Post-Covid rehabilitation with ICU of  
the NCCIM named after academician M. Mirrakhimov  
PRACTICAL WORKSHOP - MASTER CLASS  
SPIROMETRY IN CLINICAL PRACTICE**

**Moderators:** Natalia Ratushnaya, Aizhamal Tabyshova,  
Venera Eshenkulova (Kyrgyzstan)

**Participants:** pulmonologists, functional diagnostics doctors, family doctors, internists, clinical residents, graduate students and nurses

The basics of spirometry will be presented, the practical issues of conducting the study and the interpretation of the most frequent changes in order to early diagnosis of respiratory diseases will be covered. This applies primarily to COPD and asthma.

**08.40 – 10.30**

**GRAND HALL - «JANNAT» HOTEL**

**Plenary session**

**GLOBAL PROGRAM FOR THE REHABILITATION OF PATIENTS WITH CARDIAC  
AND RESPIRATORY DISEASES**

(for physicians and nurses)

**Presentation of the RECHARGE programme in Kyrgyzstan**

**Chairs:** Sally Singh (UK), Mark W. Orme, Nikki Gardiner (UK),  
Talant Sooronbaev, Bolot Kulov, Azamat Akylbekov,  
Maamed Mademilov (Kyrgyzstan)

1. **Creation and implementation of a rehabilitation system for patients with respiratory and cardiovascular diseases in Kyrgyzstan**  
Talant Sooronbaev, Bolot Kulov (Kyrgyzstan)
2. **The role of physical activity in the rehabilitation of patients with chronic respiratory diseases**  
Mark W. Orme, Sally Singh (UK)
3. **Global RECHARGE Project (NIHR) in Kyrgyzstan for the rehabilitation of patients with post-tuberculosis lung diseases: first results and prospects**  
Azamat Akylbekov (Kyrgyzstan)
4. **Rehabilitation programme for patients with chronic respiratory diseases using the National dance "Kara Jorgo" (Demonstration of the rehabilitation programme)**  
Aijan Talaibekova, Kamila Magdieva, Aidai Temiraly kyzy (Kyrgyzstan)
5. **The first experience of a qualitative study in the framework of the Global RECHARGE Project (NIHR) in Kyrgyzstan for the rehabilitation of patients with post-tuberculosis lung diseases**  
Maamed Mademilov, Gulzada Mirzalieva (Kyrgyzstan)
6. **Rehabilitation programme for cardiac patients: the role of a nurse**  
Nikki Gardiner (UK)

**10.30 – 11.00 Coffee break**

**11.00 – 11.40**

**GRAND HALL - «JANNAT» HOTEL**

**Lecture**

**THE ROLE OF PROBIOTICS IN THE TREATMENT OF DYSBIOSIS AND ITS  
ASSOCIATED CONDITIONS**

**Lecturer: Nikita Solovey, Associate Professor (Republic of Belarus)**



**11.40 – 13.00**  
**GRAND HALL - «JANNAT» HOTEL**  
**Plenary session**  
**RESPIRATORY INFECTIONS AND TUBERCULOSIS**

**Moderators:** Onno W. Akkerman, Job van Boven (Netherlands), Abdulaat Kadyrov, Tologon Chubakov, Toktobubu Doolotova, Gulnara Isakova (Kyrgyzstan)

1. **Epidemiology of tuberculosis in Kyrgyzstan and the impact of Covid-19. Problems and Solutions for Tuberculosis Control**  
Abdulaat Kadyrov (Kyrgyzstan)
2. **Recommendations for the management of patients with respiratory infections: rational antibiotic therapy and antibiotic resistance**  
Talant Sooronbaev (Kyrgyzstan)
3. **Pharmacokinetics and monitoring of anti-tuberculosis drugs**  
Onno W. Akkerman (Netherlands)
4. **Remote monitoring of drug use: from smart devices for TB drugs to digital inhalers for Asthma and COPD**  
Job van Boven (Netherlands)

**13.00 – 14.00 Lunch**

**14.00 – 16.00**  
**GRAND Hall - «JANNAT» HOTEL**  
**Plenary session**  
**CURRENT ISSUES OF EMERGENCY CARDIOLOGY**

**Chairs:** Ernest Dzhishambaev, Erkin Mirrakhimov, Medet Beishenkulov, Murat Dadabaev (Kyrgyzstan), Franz Eberli (Switzerland)

1. **Acute coronary syndrome**  
Franz Eberli (Switzerland)
2. **Interventional therapy methods in Kyrgyzstan**  
Murat Dadabaev (Kyrgyzstan)
3. **Cardiogenic shock**  
Medet Beishenkulov (Kyrgyzstan)
4. **Recommendations for the management of patients with paroxysmal arrhythmias**  
Ernest Dzhishambaev (Kyrgyzstan)
5. **Interventional arrhythmology in Kyrgyzstan. Pacemaker, RFA and ICD**  
Kurbanbek Kalysov (Kyrgyzstan)

**16.00 – 18.00**  
**GRAND Hall – «JANNAT» HOTEL**  
**Plenary session**  
**CURRENT ISSUES IN RESPIRATORY MEDICINE (PART II)**

**Chairs:** Konrad E. Bloch (Switzerland), Joanna Chorostowska-Wynimko (Poland), Mukash Beishembaev, Talant Sooronbaev (Kyrgyzstan)

- 1. Diagnosis and treatment of sleep apnea**  
Konrad E. Bloch (Switzerland)
- 2. Current recommendations for COPD**  
Joanna Chorostowska-Wynimko (Poland)
- 3. Early diagnosis of lung cancer**  
Mukash Beishembaev (Kyrgyzstan)
- 4. Recommendations for the management of patients with Asthma**  
Talant Sooronbaev (Kyrgyzstan)

18.00 – 18.30  
**GRAND HALL - «JANNAT» HOTEL**  
**CLOSING CEREMONY**

**FRIDAY – 30<sup>th</sup> OF SEPTEMBER, 2022**

**08.00 – 11.00**  
**Department of X-ray surgery of the NCCIM named after academician M. Mirrakhimov**  
**Conference hall of the scientific and educational department of the NCCIM named**  
**after academician M. Mirrakhimov**  
**PRACTICAL WORKSHOP - MASTER CLASS**  
**INTERVENTIONAL CARDIOLOGY ISSUES**

**Moderators:** Murat Dadabaev (Kyrgyzstan), Franz Eberli (Switzerland)  
Konrad E. Bloch (Switzerland), Kurbanbek Kalysov (Kyrgyzstan)

**Participants:** specialists in the field of interventional cardiology and arrhythmology, cardiologists

In order to exchange experience and introduce modern technologies of interventional cardiology in the NCCIM and other clinics of Kyrgyzstan, joint invasive cardiological interventions of specialists from Switzerland and Kyrgyzstan will be carried out, and modern recommendations for emergency quality medical care in patients with acute coronary syndrome will be worked out in practice. It is also planned to discuss issues of long-term cooperation, a joint action plan and, first of all, the training of young specialists in interventional cardiology and arrhythmology.