

The Işıl Berat Barlan Center
for Translational Medicine



The Joint

Işıl Berat Barlan Symposium

on Immunologic Disorders

The History of Medicine Meeting

USERN Congress 2021

November 10-12, 2021
Istanbul, Turkey



School of Medicine



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National Institute of
Allergy and
Infectious Diseases



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PROGRAM

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USERN-IBB-HiMed 2021

The Joint İşil Berat Barlan Symposium on Immunologic Disorders and The History of Medicine Meeting along with USERN Congress 2021

Dates: The İşil Berat Barlan (IBB) Symposium will be jointly held by the 6th International USERN (Universal Scientific Education and Research Network) Congress (Nov 6th-13th). The first day of the IBB meeting (10th of Nov) is the UN Day of Science for Peace and Development.

Type of presentations: This is going to be a hybrid meeting with physical small group sessions held in Istanbul and virtual talks by lecturers from various countries.

Chairs: Nima Rezaei (USERN), Ahmet Ozen (Marmara University, The İşil Berat Barlan Center for Translational Medicine), Sevgi Keleş (Necmettin Erbakan University & AİD)

Organizing Committee: USERN2021 Committee (Nima Rezaei, World Top 1% Scientists), The İşil Berat Barlan2021 Committee members, and the History of Medicine Committee

Marmara University, The İşil Berat Barlan Center for Translational Medicine: Elif Karakoç Aydinler, Safa Baris, Tunç Akkoç and Sevgi Bilgiç Eltan

Turkish National Society of Allergy and Clinical Immunology (TNSACI): Dilşad Mungan, Füsün Kalpaklıoğlu, Demet Can, Emine Dibek Mısırlıoğlu, Aslı Gelincik, Özge Uysal Soyer, Sevgi Keleş, Veli Sipahi

USERN: Heliya Ziaei, Niloufar Yazdanpanah, Amirhossein Loghman, Simin Seyedpour, Negar Azami, Alireza Sarkar Lotfabadi, Milad Akbarzadehmoallemkolaei

The NIAID-MENAT Strategy for Enhanced Research Engagement Program (SEREP) Immunology Subgroup Members Regional Advisory Panel (RAP) members: Dr. Mohamed H. Sayegh, Ridha Barbouche, Ghassan Dbaibo, Ahmet Özen
Office of Global Research, NIAID, NIH: Ms. Joyelle Dominique
Executive Administration support: Ms. Yumna Maalouf

History of Medicine Committee: Arman Zargaran, Shahrzad Irannejad, Gurkan Sert, Hamed Ahansazan

Place: Cevahir Asia Hotel, Maltepe, Istanbul, Turkey Dates of the joint sessions: Nov 10-12, 2021

Hosting Institution: Cevahir Asia Otel, İstanbul, Turkey

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Sponsors:

Universal Scientific Education and Research Network (USERN)

Marmara University

Turkish National Society of Allergy and Clinical Immunology (TNSACI)

NIAID-MENAT Strategy for Enhanced Research Engagement Program (SEREP)

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An overview of the Program Sessions:

1. USERN 2021 (6th-13th)

- Virtual programs: November 6-13 (13-17 GMT), hosted in Iran, Turkey, Italy, Ukraine, Hungary
- In-person local programs: November 6-9 (5-9 GMT), hosted in Iran, Italy, Ukraine

2. HiMed 2021 (12th-15th)

- In-person opening session: November 12, Istanbul, Turkey
- Virtual programs: November 13
- In-person programs: November 14-15, Shiraz, Iran

3. JOINT İŞİL BERAT BARLAN SYMPOSIUM ON IMMUNOLOGIC DISORDERS-IBB 2021 (10th-12th):

Background: In an effort to strengthen scientific research in the Middle East, North Africa and Turkey (MENAT) region and foster collaboration between MENAT and U.S. scientists, NIH/NIAID plans to co-fund the Marmara University symposium on immunologic disorders in Istanbul in November 2021. NIAID and scientists from Marmara University have had a long and productive research collaboration in this scientific area of interest. Participants will be invited to attend from the United States and MENAT region.

Objectives: The objectives of the conference include scientific exchange, building networks, fostering relationships with scientists and government officials from the United States and the MENAT region, and exploring opportunities for collaboration. This conference will enhance and expand knowledge of immunodeficiencies and immunologic disorders in MENAT countries and is highly relevant to global health. Discussions and presentations will be conducted through plenary sessions and panel/board breakout sessions led by MENAT and U.S. researchers.

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November 10, 2021

08:30-10:30 Opening Ceremony of the Joint IBB21, HiMed21 and USERN21 Congress

08:30-09:00 Welcome and music performance

- 09:00-10:30 Opening Remarks and Inaugural Ceremony of the Işıl Berat Barlan Center for Translational Medicine
- 10th of November Mustafa Kemal Atatürk Memorial Ceremony
 - Moderated by Tunç Akkoç, Marmara University
 - Welcome words from the Organizers
 - Marmara University, Turkey
 - USERN and Tehran University of Medical Sciences, Iran
 - NIAID, USA
 - Turkish Society of Allergy and Clinical Immunology (AİD)
 - Protocol Speech
 - Wishes and free talks from the audience
 - Presenting plates and certificates of appreciation
 - Cutting the red ribbon

10:30-11:00 **Coffee Break**

11:00-12:30 USERN Prize session (Physical program with virtual broadcasting)

15-min talks

- USERN Prize Awarding Festival to announce the USERN Laureates 2021 and short talks by the USERN Laureates and art performances
- USERN Laureate in Physical and Chemical Sciences: Towards High-Power Energy Storage: Materials, Electrochemistry, and Devices
- USERN Laureate in Biological Sciences: Advanced Materials for Potassium Batteries: Chemistry, Materials Science and Engineering
- USERN Laureate in Medical Sciences: Integrated Multi-Omics Analysis of Unsolved common variable immunodeficiency

12:30-13:30 **Luncheon and MENAT-NIAID- Regional Advisory Panel (RAP) hybrid meeting**

13:30-14:30 **Symposium: Life with IEI: Perspectives from IEI Patients and The patient organizations** (Physical program with virtual broadcasting)

Chairs: Elif Karakoç Aydın, Nima Rezaei

- Closing Ceremony of 7th International Festival of Paintings for Pediatric Patients (IFPPP 2021)
- Words from patients and Art performances
 - Awarding Festival of Paintings for Pediatric Patients
 - Words from patient Society representatives
 - Perspectives from İMYED
 - Turkish Patient Society of Immunodeficiency
 - Global perspectives from immunodeficiency patient organizations: IPOPI
 - Can Sucak Foundation; "A few words from Can"

Ömer İren
Martine Pergent
Gülsan Sucak



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November 10, 2021

14:30-14:45 **Conference: Our Journey of Hope, Advocacy and Action**
Vicki and Fred Modell, Co-Founders, Jeffrey Modell Foundation

14:45-15:00 **Break**

15:00-19:00 **USERN/IBB virtual Program (Medical Sciences: Health and Prevention)**
The NIAID-MENAT Immunodeficiency Symposium

15:00-16:30 **Part 1. Frontiers in Inborn Errors of Immunity**
Chairs: Mohamed H. Sayegh, Ahmet Ozen

Collaborative research in MENAT Region
Mohamed H. Sayegh, NIAID, USA

Keynote lecture: Dissecting the mechanisms of immune dysregulation in autoimmune diseases using IEL models.
Michael Lenardo, NIAID, USA

Exploring the nodes of immune regulation in allergic disorders: what do I learn from IELs.
Talal Chatila, Harvard University, USA

NIAID/NIH Funding opportunities for Inborn Errors of Immunity
Frosso Voulgaropoulou, NIAID, USA

Questions and Answers

16:30-16:45 **Break**

16:45- 17:45 **Part 2. Frontiers in Inborn Errors of Immunity. (Physical program with virtual broadcasting)**
Chairs: İlhan Tezcan, Safa Barış

Hyper-IgE syndromes: exploring the frontiers between infection and allergy.
Ridha Barbouche, El-Manar University, Tunisia

Inborn Errors of Immunity Predominantly Affecting the Gut.
Ahmet Ozen, Marmara University, Turkey

Prevention of infections in patients with inborn errors of immunity.
Ghassan Dbaibo, Beirut American University, Lebanon

Questions and Answers



November 10, 2021

18:00-19:00

Abstract presentations (Virtual).

Chairs: Güzide Aksu, Sara Şebnem Kılıç Gültekin

NIAID-MENAT Abstracts

The Case of AGR2, Infantile IBD, and the Disappearing Goblet Cells.

Ahmad Abdulrahman Al Shaibi, Sidra Medicine, Qatar

STAT3 GOF mutation identified in a hyper-IgE patient diagnosed with short stature and puberty delay.

Meriem Ben Ali, University Tunis El-Manar, Tunisia

Evolution and Long-Term Outcomes of CARMIL2 Deficiency.

Burcu Kolukisa, Marmara University School of Medicine, Turkey

FOXP3 mutation in a patient presenting with ALPS

Imen Ben Mustapha, University Tunis El-Manar, Tunisia

Reversal clinical and immunological effects of abatacept in patients with LRBA deficiencies and CTLA4 insufficiencies

Mehmet Cihangir Catak, Marmara University, Turkey

Clinic and Laboratory Properties of Primary Immune Deficiency Patients with SARS-CoV-2

Selma Erol Aytakin, Necmettin Erbakan University, Turkey



November 11, 2021

09:00-10:30

Challenges on Immunodeficiencies: How to manage IEIs?

(Physical program with virtual broadcasting)

Chairs: Yıldız Camcıoğlu, Hassan Abolhassani

15-min Senior talk

Alteration of T cell repertoire in inborn errors of immunity associated with DNA repair and methylation defects

Hassan Abolhassani, Karolinska Institute, Sweden

Opportunities from studying Primary Immunodeficiency Diseases

Michel Massaad, American University of Beirut, Lebanon

COVID-19 and inborn errors of immunity: Turkish Network

Elif Karakoç Aydıner, Marmara University, Turkey

6-min presentations

Genetic roots of PFAPA (Periodic Fever, Aphthous Stomatitis, Pharyngitis, Adenitis) syndrome

Kosar Asnaashari, Tehran University of Medical Sciences, Iran

Expanding the clinical and immunological phenotypes and natural history of MALT1 deficiency

Asena Pınar Sefer, Marmara University, Turkey

HSCT on STK4 deficiency

Vedat Uygun, İstinye University, Turkey

Clinical features and IgRT outcomes of adults with CVID.

Tuba Erdoğan, Başkent University, Turkey

Early diagnosis of IEI at Pediatric intensive care unit.

Günseli Bozdoğan, Acıbadem University, Turkey

Two siblings with ARHGEF1 deficiency presenting with diffuse warts and bronchiectasis

Ayça Kırıkım, Cerrahpaşa University, Turkey

Three patients with NBAS deficiency

Şule Haskoloğlu, Ankara University, Turkey

10:30-11:00

Coffee Break



November 11, 2021

11:00-12:30

Short Oral presentations on Immunodeficiencies and COVID-19

(Physical program with virtual broadcasting)

6-min talk presentations

Oral Manifestations of Patients with Inherited Defect in Phagocyte Number or Function
Heliya Ziaei, Tehran University of Medical Sciences, Iran

Congenital neutropenia caused by an autosomal recessive loss of function mutation in SMARCD2
Esra Özek, İstanbul University, Turkey

ADA2 deficiency presenting with neutropenia and bone marrow failure
Öner Özdemir, Sakarya University, Turkey

NLRP1 deficiency causing an inflammatory skin disease
Hasibe Artaç, Konya Selçuk University, Turkey

Increased radiosensitivity and impaired DNA repair in patients with STAT3-LOF and ZNF341 deficiency
Şükrü Çekiç, Uludağ University, Turkey

A rare case report with a combination of ICOS deficiency and wipf1 deficiency with novel mutations
Ozlem Keskin, Gaziantep University, Turkey

A specialized research center in Turkey: Can Sucak Research Lab for Translational Immunology
Baran Erman, Hacettepe University, Turkey

Autoimmune Complications of COVID-19
Niloufar Yazdanpanah, Tehran University of Medical Sciences, Iran

Clinical and Laboratory Pattern of COVID-19 Related Multi-System Inflammatory Syndrome in Children
Parinaz Sedighi, Hamedan University of Medical Sciences, Iran

Epidemiology of asthma in patients with COVID 19 illness: respiratory allergy is not a risk factor for COVID-19 severity
Sara Mostafavi, Shiraz University of Medical Sciences, Iran

SARS-CoV-2-related and COVID-19 vaccine-induced thromboembolic events
Mohammad Barary, Babol University of Medical Sciences, Iran

COVID-19 in Iran: Clinical presentations and outcomes in three different surges of COVID-19 infection
Marzieh Pirzadeh, Babol University of Medical Sciences, Iran

Two patients with Interferon Gamma Receptor Defect
Sidem Didar Tekeoğlu, Hacettepe University, Turkey

12:30-13:30

Luncheon



November 11, 2021

13:30-15:00

Short Oral presentations on Transdisciplinarity

(Physical program with virtual broadcasting)

Chairs: Mutlu Yüksek, Neslihan Karaca Edeer

Mental health during COVID-19: Behind the front mental battles and how to cope with them
Pegah Niktalab, Kum University of Medical Sciences, Iran

Misty Impact of Social Media on Medicine utilization: Case of Selected pharmaceuticals in COVID-19 Pandemic
Amir Reza Mazandarani, Shahid Beheshti University of Medical Sciences, Iran

Autoimmune diseases in the era of Artificial Intelligence
Fateme Zareian, Shiraz University of Medical Sciences, Iran

No need to swallow GIANT pills anymore as the mucoadhesive patches have been made
Leili Shadman, Tehran University, Iran

Alterations of BRCA genes in Gliomas
Sepideh Ebrahimi Meimand, Tehran University of Medical Sciences, Iran

Acitretin and methotrexate combination therapy in psoriasis, results from a cross-sectional study
Simin Seyedpour, Tehran University, Iran

New DNAH11 mutation associated with situs inversus in a 3-year-old baby
Fatemeh Sodeifan, Shahid Beheshti University of Medical Sciences, Iran

Beyond EBM: towards a phenomenological alternative
Azar Ghasemi, Kermanshah University of Medical Sciences, Iran

Towards a Business Intelligence System Implementation Framework for the Public Sector:
The Case of Oman Vision 2040 Implementation Follow-Up Unit (OVIFU)
Marwa Al-Habsi, Sultan Qaboos University, Oman

Novel Xylomannan Coated Iron Oxide Nanocomposite Enhances the In-vitro Maturation Rate in
Vitrified Mouse GV Oocytes
Alireza Sarkar Lotfabadi, Shahid Beheshti University of Medical Sciences, Iran

Protective effect of oxytocin on Autism Spectrum Disorder model of zebrafish larvae,
molecular and behavioral study
Milad Akbarzadehmoallemkolaei, Tehran University of Medical Sciences, Iran

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Virtual Plenary Session: IEIs throughout the lifetime

Chairs: Uğur Muşabak, Safa Barış

Newborn screening into SCID: Turkish Experience

Aydan İkincioğulları, Ankara University, Turkey

Understanding Class switch recombination defects by presenting both classic and atypic cases with CD40 and CD40L defects

Necil Kütükçüler, Ege University, Turkey

CD19 deficiency

İsmail Reisli, Necmettin Erbakan University, Turkey

Enigma in immune dysregulatory disorders

Deniz Çağdaş Ayyaz, Hacettepe University, Turkey



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16:00-20:00

USERN/IBB virtual Symposium

(Psychoneuroimmunological Sciences: Multidisciplinary Approach).

Can you see the elephant yet? CBT and its candles.

Umberto Crisanti, UK

Resorbable Magnesium For Reducing Human Pain.

Manoj Gupta, Singapore

Multidisciplinary approach to sport, psychology and creativity studies - a step beyond traditional application of psychology in sport.

Milos Milosevic, Serbia

Endocannabinoid signalling in chronic pain and related co-morbidities.

Livio Luongo, Italy

Multidisciplinary studies should reflect multidisciplinary practice: the case of inborn errors of immunity.

Ekaterini Goudouris, Brazil

Didactics and teamwork to improve patient care in Immunology.

Juan Carlos Aldave Becerra, Peru

The implementation of universal Newborn Screening for Primary Immunodeficiencies in Brazil, a model for developing countries.

Antonio Condino-Neto, Brazil

In Search of a Cure for Alzheimer's Disease.

George Perry, USA

How demographic history of drift and founder effects can produce a modern mutational landscape of neurodegenerative conditions.

Kenneth Kosik, USA

What I learned from studying rare disorders of the Immune system, beyond looking for genes and effective therapies.

Hans Ochs, USA



November 12, 2021

09:00-10:30

Clinical Immunology session: Deeper into the immune system

(Physical session with virtual broadcasting)

Chairs: Günnur Deniz, Ömür Ardeniz

Protein Dimerization Choice May Influence the Phenotype of the Immunodeficiency, Centromeric Instability, and Facial Anomalies Syndrome Type 2 (ICF2).

Batu Erman, Boğaziçi University, Turkey

Our adventures in immunogenetics in Qatar.

Bernice Lo, Sidra Medicine, Qatar

Development of NK cell-based cancer immunotherapies

Tolga Sütü, Boğaziçi University, Turkey

Newly diagnosed ADA-SCID case presentation and screening programs - a Kuwait & Global perspective

Waleed Al-Herz, Kuwait University, Kuwait

Interdisciplinary Approach to Inborn Errors of Immunity

Nima Rezaei, Tehran University of Medical Sciences, Iran

Questions and Answers

10:30-11:00

Coffee Break

11:00-12:30

Oral presentations on Integrated Science (8 min each)

(Physical session with virtual broadcasting)

Chairs: Şükrü Nail Güner, Öner Özdemir

Inflammation and immune markers in oral cavity of cigarette and e-cigarette smokers

Liudmyla Kryvenko, Kharkov National Medical University, Ukraine

Oral health changes in tobacco smoking orthodontic patients

Kseniia Lepilina, Kharkov National Medical University, Ukraine

Nano-enzyme based biosensor applications

Saboura Ashkevarian, Tehran University of Medical Sciences, Iran

Effectiveness of using intravenous ethambutol and isoniazid administration in patients with tuberculosis and HIV co-infection

Dmytro Butov, Kharkov National Medical University, Ukraine

Effects of GdYVO₄: Eu³⁺ nanoparticles on apoptosis of leukocytes in vitro

Anton Tkachenko, Kharkov National Medical University, Ukraine

Nephrological factors may cause kidney dysfunction in patients with common variable immunodeficiency

Gökhan Aytekin, University of Health Science Konya City Hospital, Turkey

Successful Hematopoietic Stem Cell Transplantation in Two Siblings with Carmil 2 Deficiency

Hatice Betül Gemici Karaaslan, Istanbul University-Cerrahpasa, Turkey

12:30-13:30

Luncheon



**TURKISH SOCIETY OF ALLERGY
AND CLINICAL IMMUNOLOGY**

Organization Secretariat



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