

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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Research Network |  
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National Institute of  
Allergy and  
Infectious Diseases



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**PROGRAM**



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  
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USERN-IBB-HiMed 2021

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

**Dates:** The Işıl Berat Barlan (IBB) Symposium will be jointly held by the 6<sup>th</sup> International USERN (Universal Scientific Education and Research Network) Congress (Nov 6<sup>th</sup>-13<sup>th</sup>). The first day of the IBB meeting (10<sup>th</sup> 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 Işıl Berat Barlan Center for Translational Medicine), Sevgi Keleş (Necmettin Erbakan University & AİD)

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

Marmara University, The Işıl 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)  
Jeffrey Modell Foundation Industry sponsors

An overview of the Program Sessions:

1. USERN 2021 (6<sup>th</sup>-13<sup>th</sup>)
  - a. Virtual programs: November 6-13 (13-17 GMT), hosted in Iran, Turkey, Italy, Ukraine, Hungary
  - b. In-person local programs: November 6-9 (5-9 GMT), hosted in Iran, Italy, Ukraine
2. HiMed 2021 (12<sup>th</sup>-15<sup>th</sup>)
  - a. In-person opening session: November 12, Istanbul, Turkey
  - b. Virtual programs: November 13
  - c. In-person programs: November 14-15, Shiraz, Iran
3. JOINT İŞİL BERAT BARLAN SYMPOSIUM ON IMMUNOLOGIC DISORDERS-IBB 2021 (10<sup>th</sup>-12<sup>th</sup>):

**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
- 10<sup>th</sup> 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

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## 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 Yüeksek, 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, Tahran University, Iran*

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

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

New DNAH11 mutation associated with situs inversus in a 3-year-old baby  
*Fatemeh Sodeifian, 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, Tahran University of Medical Sciences, Iran*

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17:10-18:30

**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 GdYVO<sub>4</sub>: Eu<sup>3+</sup> 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



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**13:30-15:00**

### **Opening session of HiMed 2021**

(Physical session with broadcasting)

**Chair: Şefik Görey**

Welcome Message

*Şefik Görey, Koç University, Turkey*

History of Anti-vaccination

*Kürşat Epöztürk, Okan University, Turkey*

From Shiraz to Sivas; the scholar in travel: Qutub al-Din Shirazi in his medical autobiography.

*Hamed Arezaei, Iran University, Iran*

Hakim Mohammad, the Persian military surgeon in the courts of Safavid and Ottoman Empires

*Arman Zargaran, Tehran University, Iran*

Iran and Turkey along the Silk Road, a historical perspective

*Mohammad Hossein Ayati, Tehran University, Iran*

**15:00-19:00**

### **CLOSING CEREMONY of USERN-IBB 2021**

**Chairs: Nima Rezaei (USERN), Ahmet Özen (Marmara University),**

**Sevgi Keleş (TNSACI and Necmettin Erbakan University)**

Concluding remarks

USERN-IBB 2021 prize for the best Young investigator/junior scientist presentations





**TURKISH SOCIETY OF ALLERGY  
AND CLINICAL IMMUNOLOGY**

**Organization Secretariat**



**FIGÜR CONGRESS & ORGANIZATION**

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