

2023\*

ACADEMY PRIZE  
LAUREATES

### Health and Life Sciences

Prof. Dr. Caner Süsal / Koç University

Prof. Dr. Serdar Durdağı / Bahçeşehir University

2023 TÜBA Academy Award was awarded to Prof. Dr. Caner Süsal, Faculty Member of Koç University Faculty of Medicine, for his outstanding work in organ transplantation with his studies in transplantation of highly sensitized patients, the role of non-HLA immunity and the CD30 molecule in the alloimmune response. He was honored for his contributions to organ transplantation through his work on the induction of insensitivity to the kidney allograft, the identification of markers reflecting the balance between the effector and regulatory components of the alloimmune response, and the preparation of international guidelines.

2023 TÜBA Academy Award was awarded to the Dean of Bahçeşehir University Faculty of Pharmacy Prof. Dr. Serdar Durdağı, for the development of new codes for the creation of ligand-based models with machine learning approaches, was chosen due to his contributions to academia and the pharmaceutical industry through the virtual screening of ultra-large molecule databases, the design of new drug molecules and the hERG1 3D potassium ion channel models (Durdagi/Noskov hERG1 K Models), which are mentioned in the literature with the researchers own name.

### Basic and Engineering Sciences

Prof. Dr. Derviş Karaboğa / Erciyes University

2023 TÜBA Academy Award was awarded to Prof. Dr. Derviş Karaboğa, faculty member of the Department of Computer Engineering at Erciyes University's Faculty of Engineering, his significant contributions to the field of engineering. He particularly distinguished himself by developing the "Artificial Bee Colony algorithm," an optimization algorithm widely used in artificial intelligence applications, thus making important contributions to the world of science and the advancement of technologies. Additionally, his original contributions in applying his research to Energy Efficiency and Health have led to his recognition in these areas as well.

2022\*

ACADEMY PRIZE  
LAUREATES

### Social Sciences and Humanities

Prof. Dr. Amnon Cohen / Hebrew University of Jerusalem

2022 TÜBA Academy Award be favored to, Hebrew University of Jerusalem Lecturer Prof. Dr. Amnon Cohen; his original, pioneering and epoch-making works on Palestine and Jerusalem in the classical period of the Ottoman Empire, based on authentic sources (Tahrir Registers and Jerusalem Court Records). He was favored especially for the connection it established between the Jerusalem-centered view of local history and society and the general approach to Ottoman history and society, as well as for expanding the perspective of Ottoman historical studies beyond Istanbul, Anatolia and the Balkans.

### Health and Life Sciences

Prof. Dr. Joseph Jao-Yiu Sung / Nanyang Technological University

2022 International TÜBA Academy Award be favored to, Nanyang Technological University Lee Kong Chian Faculty of Medicine Dean Prof. Dr. Joseph Jao-Yiu Sung; Helicobacter pylori first-time short-term occurrence of gastric ulcers associated with He can be treated with the use of antibiotics and peptic ulcer bleeding can be treated endoscopically that he is a scientist who showed that treatment can be cured without the need for surgery, and that these two It was favored for its unique, pioneering and groundbreaking treatment approaches.

### Basic and Engineering Sciences

Prof. Dr. Joseph Wang / University of California, San Diego (UCSD)

2022 TÜBA International Academy Award be favored to, UCSD, Nanoengineering Department lecturer and Wearable Sensors Center (UCSD) Director Prof. Dr. Joseph Wang; he is original, pioneering and groundbreaking research in basic and engineering sciences, and for His research and inventions that have a powerful and widespread impact worldwide on biosensors, nanobioelectronics, wearable sensors, micro-robotics and nanomotors that push the boundaries of healthcare systems.

\*Academy Prize Laureates in the last four years.



2026 TÜBA  
ACADEMY PRIZES



TURKISH ACADEMY OF SCIENCES

 [www.tuba.gov.tr](http://www.tuba.gov.tr)

 [www.facebook.com/TUBAakademi](https://www.facebook.com/TUBAakademi)  [twitter.com/TUBAakademi](https://twitter.com/TUBAakademi)



TÜBA Academy Prizes were launched in 2015 in appreciation and encouragement of eminent scientists. TÜBA Academy Prizes are annually awarded to the nominated scientists each being in one of the following categories of sciences namely; Basic and Engineering sciences, Health and Life sciences and Social Sciences and Humanities. TÜBA Academy Prizes are given to those scientists with original, leading and path-breaking works in their fields. Turkish citizen scientists as well as foreign nationals can be nominated for TÜBA Academy Prizes, provided that foreign national nominee has conducted studies related to Türkiye, has collaborated with scientists and scientific organizations in Türkiye, and has conducted joint scientific studies with Turkish citizen scientists.

Members of TÜBA and those who take part in the evaluation process of the prizes cannot be nominated. The nominees should not have received any another science award from public institutions and organizations in Türkiye for last three years. The nominees are evaluated by a Prize Committee in each category. The Committees, composed of TÜBA members and renowned scientists, examine the works of the candidates via a rigorous process involving peer-review and identify the possible prize laureates. The laureates are announced by the Academy Council of TÜBA.

In accordance with the Academy Awards Rules and Procedures, the Academy Awards, consisting of the Academy Prize Medal and Certificate, and a monetary prize determined by the Academy Council each year, will be presented to the laureates at a ceremony held at the Presidential Complex under the auspices of the Presidency of the Republic of Türkiye.

**2025\***

**ACADEMY PRIZE  
LAUREATES**

### **Health and Life Sciences**

**Prof. Dr. Mutlu Özcan / University of Zurich, Switzerland**

**Prof. Dr. Dirk M. Hermann / University of Essen**

The 2025 TÜBA Academy Award in the Health and Life Sciences category was awarded to Prof. Dr. Mutlu Özcan, Faculty Member at the University of Zurich School of Dentistry, Switzerland, for her pioneering work evaluating the surface, mechanical, and clinical applications of high-performance ceramic materials used in dentistry, as well as her groundbreaking work in the field of digital technology in dentistry.

Prof. Dr. Dirk M. Hermann, a faculty member at the University of Essen Medical School in Germany, was awarded the prize for his groundbreaking basic and clinical research on gatekeeping proteins in the blood-brain barrier, which critically control brain microenvironments and the access of pharmacological drugs to the brain, both neurologically and in terms of pharmacological treatment.

**2024\***

**ACADEMY PRIZE  
LAUREATES**

### **Social Sciences and Humanities**

**Prof. Dr. Roland R. R. Smith / Bilkent University of Ankara**

**Prof. Dr. Istvan Vasary / Eötvös Loránd University of Budapest**

2024 TÜBA Academy Prizes was awarded to Prof. Dr. Istvan Vasary, a faculty member of Eötvös Loránd University of Budapest, for his contributions to the study of the Golden Horde Khanate and its successor states and the pre-Ottoman Turks of Cumans, Tatars and Kipchaks in Eastern Europe.

2024 TÜBA Academy Prizes was awarded to Prof. Dr. Roland Ralph Redfern Smith of Bilkent University of Ankara, for his contributions to the study of the Hellenistic sculpture and Roman and Late Antique Anatolia, especially the city of Aphrodisias.

### **Health and Life Sciences**

**Prof. Dr. İbrahim Celalettin Haznedaroğlu / Hacettepe University**

2024 TÜBA Academy Award was granted to Prof. Dr. İbrahim Celalettin Haznedaroğlu, a faculty member at Hacettepe University Faculty of Medicine, for his scientific contributions, including the first-ever identification of the Local Bone Marrow Renin-Angiotensin System, the development of Ankaferd Hemostat, which has become a revolutionary drug in the literature by providing hemostasis through red blood cells, and his extensive research in the fields of hemostasis and Chronic Myeloid Leukemia.

### **Basic and Engineering Sciences**

**Prof. Dr. Zhichuan Jason Xu / Nanyang Technological University**

2024 TÜBA Academy Prizes was awarded to Prof. Dr. Zhichuan Jason Xu, Faculty Member of Nanyang Technological University for his original, pioneering and groundbreaking research in basic and engineering sciences due to inventions that have strong and widespread worldwide impact on electrochemistry of materials and electrocatalysis for renewable energy applications.