RESEARCH FOR TOMORROW
THE AUSTRIAN ACADEMY OF SCIENCES

REPRESENTING SCIENCE
PERFORMING RESEARCH
PROMOTING TALENTS
CONVEYING KNOWLEDGE
PRESIDENT

Anton Zeilinger
Professor of physics at the University of Vienna

PRESIDENT OF THE DIVISION OF HUMANITIES AND THE SOCIAL SCIENCES

Oliver Jens Schmitt
Professor of South-East European history at the University of Vienna

PRESIDENT OF THE DIVISION OF MATHEMATICS AND THE NATURAL SCIENCES

Georg Brasseur
Professor for electric metrology and measurement signal processing at Graz University of Technology
THE AUSTRIAN ACADEMY OF SCIENCES

The Austrian Academy of Sciences (OeAW) is legally tasked with “promoting science in every way”. Founded as a learned society in 1847, it presently has over 770 members and about 1,600 employees dedicated to innovative basic research, the interdisciplinary exchange of knowledge and knowledge conveyance – with the goal to promote scientific as well as overall social progress.

REPRESENTING SCIENCE

The members of the Academy constitute the learned society and confront important future-oriented questions in an animated cross-disciplinary exchange while offering advice to politics and society and informing the public about important scientific discoveries. Its commissions are dedicated to questions of high scientific and/or social relevance.

PERFORMING RESEARCH

The OeAW operates 28 research institutes in the field of innovative basic research. It provides impulses by taking on future-oriented research topics and bears the responsibility for the preservation and interpretation of cultural heritage.

PROMOTING TALENTS

The sustainable promotion of promising young talents is especially important to the OeAW. The research institutes of the OeAW offer varied opportunities for young scientists. The OeAW also supports highly qualified young researchers outside of its institutes by awarding fellowships.

CONVEYING KNOWLEDGE

The OeAW is a lively place in which scientific achievements and insights are conveyed. It provides intellectual space for discussions and promotes a society that is open to science and technology. Its various events, also geared towards young people, inspire a fascination for research.

RESEARCH SECURES FUTURE FOR AUSTRIAN SCIENCE AND SOCIETY
REPRESENTING SCIENCE
OeAW’s learned society constitutes a forum of renowned domestic and foreign academic researchers and encompasses nearly all scientific disciplines. More than 770 members promote the advancement of science, research and society through interdisciplinary, trans-institutional and international practice.

The OeAW provides unique focal points in and for research through an interdisciplinary exchange within the learned society. Members populate new insights from science and research within society through a varied event program.

Based on its diverse competencies, OeAW’s learned society provides information on scientifically and socially relevant questions. The learned society advises decision-makers from politics and society by providing scientific statements on important matters and is thus engaged in science for policy activities.

The learned society is comprised of full members, honorary members, domestic and foreign corresponding members and members of the Young Academy. The members – with the exception of honorary members of the Academy and the members of the Young Academy – are part of the Division of Mathematics and the Natural Sciences or the Division of Humanities and the Social Sciences, depending on the respective scientific discipline.

When electing members, it is ensured that these fittingly meet the high requirements for personality, scientific work and reputation in the scientific community in terms of the Academy’s tasks, and that the scientific disciplines are represented in a balanced manner.
THE COMMISSIONS

Based on the initiative of members, the OeAW establishes commissions that consist of members of the Academy and external experts.

The tasks of the commissions include research on defined thematic areas, the establishment of new scientific fields, the coordination of scientific cooperation as well as scientific advice and knowledge conveyance to the public. The commissions of the OeAW deal with topics such as climate and air quality, migration and integration, biodiversity as well as historical and cultural questions while also taking interdisciplinary aspects into account.

COMMISSIONS OF THE OEAW

- Commission for Astronomy
- Commission for Cooperation with Large Scale Facilities
- Commission for Geographic Information Science
- Commission for Geosciences
- Commission Climate and Air Quality
- Commission Sustainable Mobility
- Commission for Migration and Integration Research
- Commission for the Legal History of Austria
- The North Atlantic Triangle: Social and Cultural Exchange between Europe, the USA and Canada
- Vanishing Languages and Cultural Heritage
- Commission for Cooperation with the Austrian Ministry of Defence and Sports
- Commission for Interdisciplinary Ecological Studies
- Commission for History and Philosophy of Sciences and Humanities
- Commission for Science Ethics
- Austrian IIASA Committee
- Commission for the Coordination of Nuclear Fusion Research in Austria
- Austrian Fusion Programme “Fusion@ÖAW”
THE YOUNG ACADEMY

In addition to the Division of Humanities and the Social Sciences and the Division of Mathematics and the Natural Sciences, the Young Academy forms the third pillar of OeAW’s learned society. Comprised of excellent junior researchers from all disciplines, the Young Academy also strengthens innovative research, optimizes research conditions and promotes young scientists.

The work of the Young Academy is performed in jour fixes, which are held on a regular basis; it hosts thematic workshops and organizes other mostly interdisciplinary events.

(REPRESENTING SCIENCE)
The OeAW operates 28 research institutes for innovative basic research; about 1,400 women and men are employed at several locations throughout Austria.

OeAW institutes cooperate nationally, EU-wide and internationally with university and non-university partners.

### AREAS OF OeAW RESEARCH

#### HUMANITIES, CULTURAL STUDIES AND SOCIAL SCIENCES
- Archaeology and classical studies
- Asian studies and social anthropology
- Historical sciences
- Cultural research
- Social sciences

#### MATHEMATICS, NATURAL SCIENCES AND TECHNICAL SCIENCES
- Life sciences
- Mathematics, physics, space research and materials sciences

#### OTHER RESEARCH AREAS
- Technology assessment
INSTITUTES FOR HUMANITIES, CULTURAL STUDIES AND SOCIAL SCIENCES

AUSTRIAN CENTRE FOR DIGITAL HUMANITIES – ACDH-OEAW

ACDH-OeAW performs research in the area of digital humanities and digital infrastructures while supporting and advancing the usage of digital research methods.

ARCHAEOLOGY AND CLASSICAL STUDIES

INSTITUTE FOR THE STUDY OF ANCIENT CULTURE – IKANT

IKAnt is committed to interdisciplinary cultural historical research based on archaeological and ancient sources, geographically located throughout the entire Mediterranean region, the Roman Danube provinces as well as the Near and Middle East.

INSTITUTE FOR ORIENTAL AND EUROPEAN ARCHAEOLOGY – OREA

OREA covers the essential cultural spectrum of prehistoric and early historic developments from the Orient to Europe while bearing in mind that the Orient and Occident are not to be regarded as contrasting viewpoints from different worlds, but as cultural parentheses for significant developments in human history.

AUSTRIAN ARCHAEOLOGICAL INSTITUTE – OEAI

The core competence of the OeAI is fundamental archaeological research in field archaeology, in all of its areas, as well as cultural-historical analysis based on the material legacy. The research sites of the OeAI are concentrated in Egypt and the Greco-Roman cultural regions in Europe and the Mediterranean lands.
ASIAN STUDIES AND SOCIAL ANTHROPOLOGY

INSTITUTE OF IRANIAN STUDIES – IIS

The research endeavors of IIS are geared towards philological-historical and cultural topics while exploring exemplary cultural processes within Asian cultures influenced by Iran.

INSTITUTE FOR THE CULTURAL AND INTELLECTUAL HISTORY OF ASIA – IKGA

Culturally and geographically, the research objective of IKGA encompasses East, South and Central Asia. Its research projects include topics from the scholarly disciplines of Indology, Tibetology, Sinology, Japanology, Buddhism studies and religious studies.

INSTITUTE FOR SOCIAL ANTHROPOLOGY – ISA

ISA explores present and past “consensus and conflict” in Western, Central and South-Eastern Asia and the southerly Mediterranean region – primarily through ethnographic field research on site, but also by examining historical sources.

HISTORICAL SCIENCES

INSTITUTE FOR MEDIEVAL RESEARCH – IMAFO

IMAFO explores and evaluates the medieval heritage and researches basic questions related to historical identity formation, community concepts and social integration based on examples from the Middle Ages.

INSTITUTE FOR MODERN AND CONTEMPORARY HISTORICAL RESEARCH – INZ

INZ is concerned with basic research of Austria’s modern and contemporary history and national biography as well as international history.

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CULTURAL RESEARCH

INSTITUTE OF CULTURE STUDIES AND THEATRE HISTORY – IKT

IKT explores the action mechanism of cultural systems in an interdisciplinary manner for establishing, transmitting, but also instrumentalizing the collective memory and identity (in particular through narration, staging and translation).

INSTITUTE OF HISTORY OF ART AND MUSICOLOGY – IKM

The scholarly work of IKM is devoted to the history of the fine arts and music in Austria and Central Europe with emphasis on the European context.
SOCIAL SCIENCES

VIENNA INSTITUTE OF DEMOGRAPHY – VID

VID as part of the Wittgenstein Centre for Demography and Global Human Capital, jointly supported by the OeAW, IIASA and the Vienna University of Economics and Business, researches Austria’s demography, the economic impact of societal aging and comparative international demography.

INSTITUTE FOR EUROPEAN TORT LAW – ETL

Operated by the OeAW in cooperation with the Karl-Franzens University of Graz, ETL provides comparative legal research on basic issues of tort law and other law-related fields.

INSTITUTE FOR INTERDISCIPLINARY MOUNTAIN RESEARCH – IMR

IMR is committed to the exploration of the human-environmental relationship in the mountainous regions of the world while taking global change (climatic change, globalization) into account; it also performs long-term research on monitoring and scenario development.

INSTITUTE FOR URBAN AND REGIONAL RESEARCH – ISR

ISR deals with the analysis of structures and dynamics in contemporary society within an urban and regional context and analyzes populations and societies within the framework of a natural, physically developed and social environment.

INSTITUTE FOR COMPARATIVE MEDIA AND COMMUNICATION STUDIES – CMC

CMC explores the change in the media landscape and its impact on society and politics from an international comparative perspective. It focuses on the content and effect of media-transmitted communication as well as on the conceptualization of political order and the role of science within the public discourse.
INSTITUTES FOR MATHEMATICS, NATURAL SCIENCES AND TECHNICAL SCIENCES

LIFE SCIENCES

CEMM – RESEARCH CENTER FOR MOLECULAR MEDICINE

CeMM is working on decoding molecular causes of illnesses with the long-term goal to contribute to a tailored preventative and predictive medicine of the future.

IMBA – INSTITUTE OF MOLECULAR BIOTECHNOLOGY

IMBA performs basic research in the areas of molecular biology and biomedicine while focusing on molecular cell processes and organisms in order to decode fundamental causes of various illnesses.

GMI – GREGOR MENDEL INSTITUTE OF MOLECULAR PLANT BIOLOGY

GMI is one of the few basic research institutes worldwide that deals with plant biology as an integral component of life sciences based on the realization that plants play an important role as a model for understanding organisms.
MATHEMATICS, PHYSICS, SPACE RESEARCH AND MATERIALS SCIENCES

**JOHANN RADON INSTITUTE FOR COMPUTATIONAL AND APPLIED MATHEMATICS – RICAM**

RICAM performs basic research in computer-aided and applied mathematics in cooperation and interaction with other scientific fields and also with the industry.

**INSTITUTE FOR QUANTUM OPTICS AND QUANTUM INFORMATION – IQOQI INNSBRUCK**

Theoretically and experimentally, IQOQI Innsbruck is dedicated to basic research in the area of quantum optics and quantum information.

**INSTITUTE OF HIGH ENERGY PHYSICS – HEPHY**

HEPHY examines the properties of matter’s fundamental building blocks and their reciprocal interaction; it participates in experiments at large-scale particle physics centers – such as CERN in Geneva or the Japanese KEK Laboratory in Tsukuba.

**INSTITUTE FOR QUANTUM OPTICS AND QUANTUM INFORMATION – IQOQI VIENNA**

IQOQI Vienna is committed to knowledge expansion and the deepening of our understanding of nature and its laws; it follows the vision of a quantum information technology of the future with its manifold new emerging possibilities.
INNER RESEARCH UNITS

INSTITUTE OF TECHNOLOGY ASSESSMENT – ITA

ITA explores the impact of new technologies on environment, the economy and society. Results from the scientific work support politics, administration and the public in technological political matters.

STEFAN MEYER INSTITUTE FOR SUBATOMIC PHYSICS – SMI

SMI concerns itself with basic sub-atomic physics and performs precision experiments to examine fundamental symmetries and interactions in cooperation with international large-scale research institutes.

ACOUSTICS RESEARCH INSTITUTE – ARI

ARI performs basic research in the area of acoustics and integrates insights from numerous disciplines such as physics, psychology, phonetics, news technology and mathematics.

SPACE RESEARCH INSTITUTE – SRI

SRI deals with space plasma physics and the exploration of the solar system. It develops instruments suitable for space missions, analyzes measurements and evaluates the resulting data.

ERICH SCHMID INSTITUTE OF MATERIALS SCIENCE – ESI

In cooperation with the University of Leoben, ESI performs basic research on structural materials, materials for information technology, materials for energy and high temperature applications.
PROMOTING TALENTS
Within the framework of its career model, OeAW’s research institutes offer varied opportunities for young researchers including a tenure-track option for junior group leaders.

The OeAW promotes talents outside of its own research institutes by awarding fellowships.

**FELLOWSHIPS**

The OeAW offers nine fellowship programs for young researchers. The fellowship programs are aimed at young researchers who want to complete their doctorate or perform a research project in Austria or abroad.

The Academy’s fellowship programs are focused on individual personal promotion – the outstanding qualification and scholarly potential of the applicant as well as the project quality are evaluated in the selection process.

The fellowship programs are financed by the Austrian Federal Ministry of Science, Research and Economy as well as through private sponsors and companies.

**PRAE-DOC**

OeAW’s programs DOC and DOC-team offer young doctoral candidates the possibility to focus on their dissertation and participate in research stays abroad.

Within the framework of DOC-team, doctoral candidate groups from various disciplines study complex questions and problem areas that can only be answered or resolved through inter- or transdisciplinary work.

The program Chemical Monthly Fellowships supports the completion of a doctoral thesis in chemistry.

**POST-DOC**

Post-DocTrack is a newly established program for young researchers who have completed their doctoral thesis or PhD in the humanities or social sciences. The program supports the publication of the doctoral thesis as well as the preparation of research proposals for further funding.

**PROMOTION OF WOMEN**

The goal of the program L’ORÉAL Austria is to encourage and promote the research careers of female doctoral candidates and scientists in the disciplines of medicine, natural sciences or mathematics.

**MOBILITY PROMOTION**

Most programs support longer research stays abroad as well as international cooperation; three fellowship programs specifically finance research stays in the USA, Italy or Greece (Athens).

**PRIZES**

The OeAW promotes and recognizes outstanding scholarly achievements of both younger and established researchers by offering several awards.
CONVEYING KNOWLEDGE
FORUM FOR PUBLIC DISCOURSE

The OeAW inspires a fascination for research and knowledge acquisition through a broad spectrum of events. Besides individual public presentations by renowned speakers from Austria and abroad, discussion forums and other event formats, OeAW’s lecture series focus specifically on conveying current scientific insights in a generally comprehensible manner. The OeAW works specifically with schools in order to also reach young people. Moreover, OeAW’s institutions and commissions regularly participate in large-scale public research events such as the Lange Nacht der Forschung [Long Night of Research].

Special publication series such as “Akademie im Dialog” [Academy in dialogue] and “Forschung und Gesellschaft” [Research and Society] address socially important issues and put forth scientific perspectives and insights.

BAS:IS LIBRARY, ARCHIVE, COLLECTIONS

The publicly accessible library of the OeAW accommodates academic papers from all parts of the world, including numerous scientific rarities and unique items.

The archives have stored the files of the OeAW since its founding as well as more than 50 scientific estates. The collections include, among other things, the Woldan collection with about 11,000 historical geographica and cartographica.

PHONOGRAMMARCHIV

The Phonogrammarchiv is tasked with creating, collecting and exploring scientific audio and video recordings from all disciplines and without regional limitations. It also ensures long-term storage and the permanent availability of these recordings.

ACADEMIAE CORPORAR

Academiae Corpora is in charge of building, maintaining and analyzing the large digital and historically relevant text corpora held by the Academy. The corpora are the basis for scientific and scholarly publications, editions and documentations.

AUSTRIAN ACADEMY OF SCIENCES PRESS

OeAW’s internationally oriented publishing house publishes research results from the humanities, cultural studies, social sciences and natural sciences.

The publishing house operates a digital publication portal for storing, managing, processing and distributing research results in full text (http://epub.oeaw.ac.at).
The building currently used by the OeAW as headquarters was built from 1753 to 1755 according to the plan of architect Jean Nicholas Jadot de Ville-Issey from Lothringen. Johann Enzendorfer, Daniel Christoph Dietrich and Johann Adam Münzer were responsible for its execution. The ceremonial opening by Emperor Franz I. and Empress Maria Theresia took place on April 10, 1756.

Originally, the building housed the University of Vienna. It was at the center of the revolution in 1848. University operations ceased and the building was temporarily used as military housing. In 1857, it was once again employed for scientific purposes as it became the home of the Kaiserliche Akademie der Wissenschaften [Imperial Academy of Sciences] founded by Emperor Ferdinand I. in 1847 – since 1947, Austrian Academy of Sciences.

Today, the building accommodates the administration offices, library and archives of the OeAW. It also serves as a meeting place for the members of the Academy. The traditional ceremonial session is a highlight of the work year at which the OeAW reports on its activities in front of an audience comprised of prominent representatives from science, politics, culture and industry.

The large ceremonial hall on the first floor provides a festive setting for this event; the magnificent ceiling painting by Gregorio Guglielmi from 1755 thematically explores the four traditional faculties of the university – theology, jurisprudence, philosophy and medicine – as an apotheosis to the science-promoting imperial couple. The ceiling painting by the Austrian baroque painter Franz Anton Maulbertsch in the adjoining Johannessaal [Johannes Hall] is equally impressive.

The rooms also provide the setting for many other events such as conferences and symposiums in which high-level scientific representatives from all over the world participate. Artistic events reconnect with traditions of the past as the festive hall also serves as a concert hall.
ORGANIZATIONAL CHART

MEMBERS OF THE OEAW

MN Division¹  HS Division²  Young Academy

GENERAL ASSEMBLY

Full members of the MN Division  Full members of the HS Division  Representatives of the corresponding members from both Divisions  Representatives of the Young Academy

PRESIDING COMMITTEE

Academy Council  Audit Committee  Central Administration  Senate  Research Board  Scientific Advisory Boards

INSTITUTES

Conference of the heads of research institutes

¹Division of Mathematics and the Natural Sciences
²Division of Humanities and the Social Sciences