

Annual Global Meeting

Berlin
27 – 29 May
2013

Agenda
Book



Global Research Council
Berlin 27 – 29 May 2013

Words of Welcome



Dear colleagues,

It is a great pleasure to welcome you to the 2nd Annual Meeting of the Global Research Council (GRC). Hosted jointly by the German Research Foundation (DFG) and the National Council for Scientific and Technological Development of Brazil (CNPq), the meeting brings together the heads of about 60 science and research councils from around the world, as well as high-ranking guests from science and research, science administration, and research policy. We regard this enthusiastic participation as a clear demonstration that, if we want to enhance academic quality and address issues that can only be solved by working together, it is not only critical for researchers to cooperate across geographical, political or disciplinary borders, but also that funding agencies share a responsibility in fostering cooperation, both on behalf of the research community and in order to maximize the effectiveness of public investments.

Committed to a world without borders for science and research, the GRC was founded to improve communication and cooperation among research funding agencies, to promote the sharing of data and best practices, and help develop principles by which multinational collaboration could be enhanced. Following the inaugural meeting of the Global Research Council in 2012, this year's annual meeting will focus on two topics of high complexity and with ramifications for all funding agencies: our goal is to endorse a common set of principles for research integrity and to agree on an action plan for the implementation of open access to publications as the main paradigm of scientific communication in the following years. To ensure a globally consultative process, regional meetings held across the world between October and December 2012 gathered input from funding agencies and interested stakeholders in Africa, the Americas, the Asia-Pacific region, Europe, and the Middle East and North Africa. An International Steering Committee was then asked to



synthesize regional contributions into the two high-level documents to be endorsed during this year's Annual Meeting. Our sincere thanks go to the regional host organizations and their representatives for their effort to overcome barriers and reach an international consensus on principles of research integrity as well as on the action plan for the implementation of open access. Thereby, they have helped building trust between our organizations and have made the GRC a successful, truly global endeavor.

On behalf of DFG and CNPq, we are pleased that you have accepted the invitation to join us. We are grateful to all speakers, moderators, and rapporteurs for sharing their thoughts and experiences in the support of greater international research collaboration, and look forward to engaging discussions and a successful second Annual Meeting.

Peter Strohschneider
President
German Research Foundation (DFG)

Glaucius Oliva
President
National Council for Scientific and
Technological Development (CNPq)



Global Research Council
Berlin 27 – 29 May 2013

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Global Research Council
Berlin 27 – 29 May 2013

Conference Information

Hosted by the German Research Foundation (DFG) in cooperation with the National Council for Scientific and Technological Development of Brazil (CNPq), the 2nd Annual Global Meeting of the Global Research Council will take place at the Berlin-Brandenburg Academy of Sciences and Humanities (BBAW) in Berlin, Germany. A Welcome Reception will be held on Monday, 27 May 2013, at 6:30 p.m. in the “Dom Lounge” of the Radisson Blu Hotel Berlin. The Meeting will be opened at the Berlin-Brandenburg Academy on Tuesday, 28 May 2013, at 9 a.m. (registration starting at 8:30 a.m.). At night, at 7 p.m., a Conference Dinner hosted by DFG will be held in the German parliament building, the “Reichstag”. On Wednesday, 29 May 2013, the Meeting will be continued at 9 a.m. and close with a Press Conference and Farewell Lunch.

Contact Information
DFG Conference Office
grc@dfg.de
Tel. +49 (0)151 1085 3997

Conference Hotel

To assist participants of the GRC Annual Global Meeting with accommodation arrangements, a block of rooms has been reserved at the Radisson Blu Hotel Berlin. It is exclusively located on the Spree River, opposite the Berlin Cathedral, and between Alexanderplatz and Museum Island.

You will find your reservation under your personal name and the reference “Global Research Council”. A credit card will be needed upon check-in. Breakfast and wireless internet access are included in the room rate. For wireless internet access, please open your browser and enter your room number and check-in information. Please note that all accommodation costs as well as any incidental room charges are at your own expense and will be billed directly to you upon check out. In case you make any payment by credit card, you may need a personal identification number (PIN).

After check-in at the hotel, please register with the GRC Welcome Desk which is located in the lobby of the hotel. DFG staff members will provide you with a conference binder as well as your personal name tag. We kindly ask you to wear this tag at all events during the GRC Annual Global Meeting.

Radisson Blu Hotel, Berlin
Karl-Liebknecht-Strasse 3 | 10178 Berlin, Germany
tel. +49 (0)30 23828 0
e-mail: reservations.berlin@radissonblu.com
www.radissonblu.com/hotel-berlin

Check-out is at 12 p.m. on the day of your departure. On Wednesday, 29 May 2013, luggage can be stored at the Berlin-Brandenburg Academy of Sciences and Humanities (BBAW).

Welcome Reception

A Welcome Reception for participants of the Global Research Council Annual Meeting will be held on Monday, 27 May 2013, at 6:30 p.m. in the “Dom Lounge” of the Radisson Blu Hotel with a view on the historic city hall, the cathedral and the “Schlossplatz”, the place of the former royal Berlin Palace which was demolished in 1950.

Conference Venue

The 2nd Annual Global Meeting of the Global Research Council will be opened on 28 May 2013 at 9 a.m. at the Berlin-Brandenburg Academy of Sciences and Humanities (BBAW). Formerly the Prussian Academy of Sciences, the BBAW is located at Gendarmenmarkt in the heart of Berlin. With its interdisciplinary and international association of scholars, it is the largest non-universitarian research institute in the region of Berlin-Brandenburg with a profile in the humanities. Frequented today by scholars from around the world, the building was originally built in 1902/03 for the Prussian Maritime Trade Company (“Preußische Seehandlung”), the later Prussian State Bank. Its historical banking hall was reconstructed for the 300th anniversary of the Academy and expanded into a modern conference and event center.

Berlin-Brandenburg Academy of Sciences and Humanities (BBAW)
Jägerstraße 22/23 | 10117 Berlin, Germany
Tel. +49 (0)30 20370 0
www.bbaw.de/en



Shuttle Bus Service

For your convenience, a shuttle bus service between the Radisson Blu Hotel and the Berlin-Brandenburg Academy of Sciences and Humanities will be provided (walking distance: approx. 15 minutes). For shuttle departure times, please refer to the conference program.



Conference Dinner

Upon invitation by the Deutscher Bundestag, the German parliament, DFG will host this year's Conference Dinner on Tuesday, 28 May 2013, at 7 p.m. It will take place in the "Abgeordnetenrestaurant" (restaurant for members of the German Bundestag within the "Reichstag", the German parliament building). After dinner, the dome of the "Reichstag" building can be visited. Designed by Lord Norman Foster, it offers spectacular views of the parliamentary and government district, and Berlin's sights.

Deutscher Bundestag

Platz der Republik | 11011 Berlin
www.bundestag.de/htdocs_e/index.html

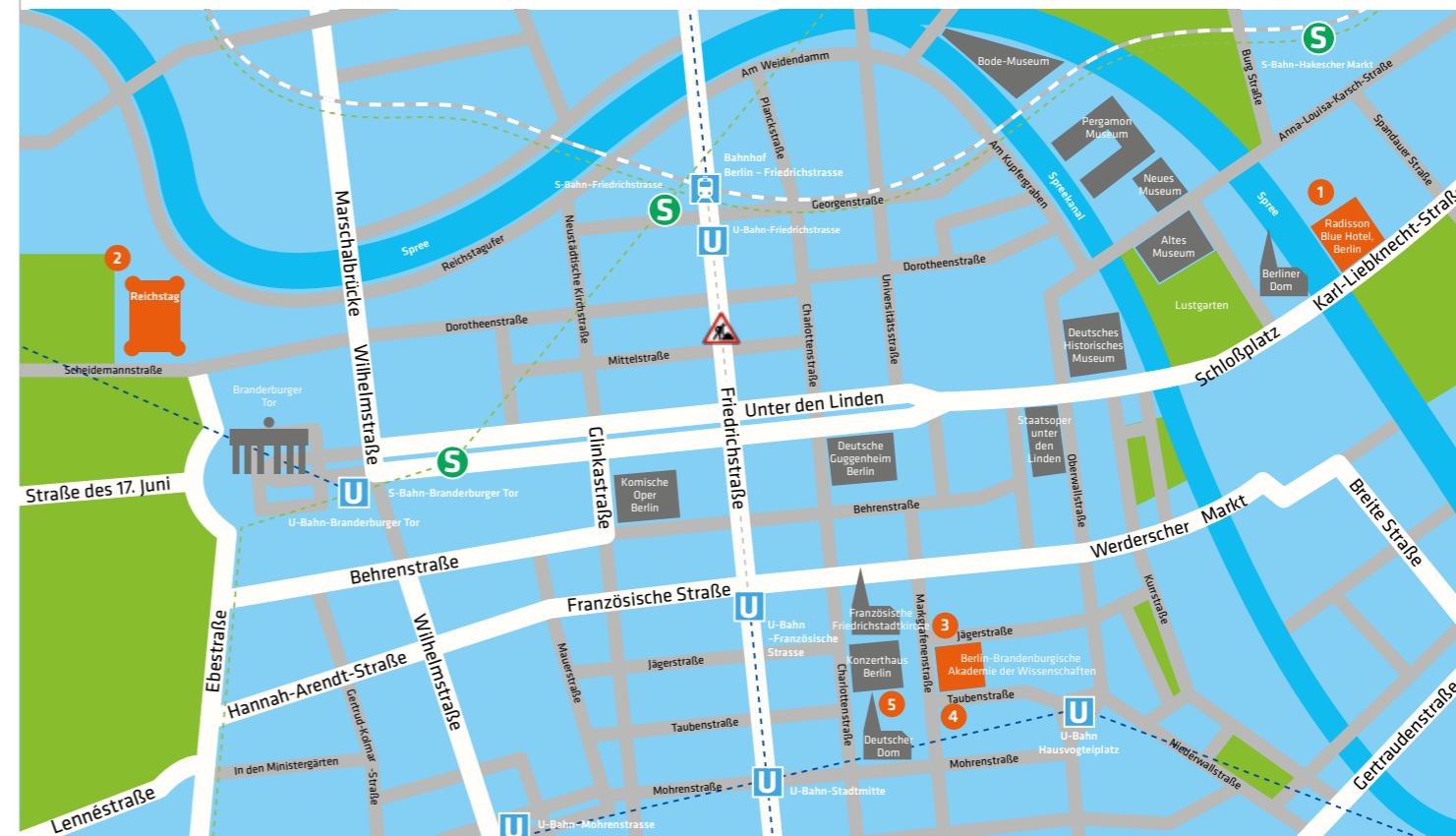
Please note that security-check requires all participants to carry a valid photo ID. Smoking is not permitted in the restaurant or anywhere in the building or on the terrace.

GRC Governing Board Meeting

For members of the GRC's Governing Board only: Members of the Governing Board will meet on Monday, 27 May 2013, at 3 p.m. at the DFG Berlin Office within the WissenschaftsForum Berlin, located next to the BBAW building (shuttle service from Radisson Blu Hotel at 2:30 p.m.).

DFG Berlin Office

WissenschaftsForum
 Markgrafenstr. 37 | 10117 Berlin, Germany
 Tel. +49 30 206121-4320
www.dfg.de/berliner_buero



Venues

- 1 **Radisson Blu Hotel, Berlin**
 Karl-Liebknecht-Strasse 3 | 10178 Berlin
 Tel. +49 (0)30 23828 3500
 E-mail: reservations.berlin@radissonblu.com
www.radissonblu.com/hotel-berlin
- 2 **Deutscher Bundestag**
 Platz der Republik | 11011 Berlin
www.bundestag.de/htdocs_e/index.html
- 3 **Berlin-Brandenburg Academy of Sciences and Humanities (BBAW)**
 Jägerstraße 22/23 | 10117 Berlin
 (Conference entrance: Markgrafenstr. 38)
 Tel. +49 (0)30 20370 0
www.bbaw.de/en
- 4 **DFG Berlin Office WissenschaftsForum**
 Markgrafenstr. 37 | 10117 Berlin
 Tel. +49 30 206121-4320
www.dfg.de/berliner_buero
- 5 **The Gendarmenmarkt**



The Gendarmenmarkt ranks among Berlin's most famous and beautiful squares. The name of this baroque square constructed as the "Friedrichstädtischer Markt" originates in the cuirassier regiment "Gens d'Armes" which had its stables there. The development into an urban showpiece happened later under Frederic II who abolished all military usage and commissioned Karl von Gontard to erect two identical dome buildings, purely decorative architecture without any practical function. Although they never served any religious purpose they are known as the French and the German Cathedral framing the Schauspielhaus (theater) by architect Karl Friedrich Schinkel finished in 1821. They are landmarks in the skyline and can be seen from a considerable distance. Like no other square in Berlin the Gendarmenmarkt has a cosmopolitan atmosphere. The classy flair is enhanced by the immediate neighborhood to such extraordinary addresses like the State Opera Unter den Linden, Humboldt University and the famous boulevard Unter den Linden. Fine shops, restaurants, and numerous institutions of business, politics and culture provide an exciting and stimulating scenery.

Arrival Information:**How to get to the Radisson Blu Hotel**

Please note: The opening of the new Berlin Brandenburg Airport has been postponed. Until then, all flights in the capital region will continue to be operated from Tegel and Schönefeld airports, which will remain in operation (IATA codes TXL and SXF). Tegel Airport is more convenient due to its proximity to the city center.

Berlin Tegel International Airport (TXL)**1. Taxi**

From Tegel airport, you can travel comfortably by taxi.

Distance to the hotel: 8 km

Travelling time: approx. 30 minutes (depending on traffic)

Fare: approx. EUR 30,00 (one way, tip not included. Please note that payment by credit card is generally not accepted).

2. Public Transportation

From Tegel airport, take the bus TXL (departure in front of the terminal building) and get off at the stop “Spandauer Straße / Marienkirche”. From there you will find the hotel in 100 m walking distance in direction of the Berlin Cathedral.

Travelling time: approx. 30 minutes (depending on traffic)

Fare: EUR 2,40 per person (ticket fare “Berlin AB”)

Berlin Brandenburg Airport Schönefeld (SXF)**1. Taxi**

From Berlin Brandenburg Airport Schönefeld, taxis are available to take you directly to the Radisson Blu Hotel.

Distance to the hotel: 18 km

Travelling time: approx. 40 minutes (depending on traffic)

Fare: approx. EUR 45,00 (one way, tip not included. Please note that payment by credit card is generally not accepted).

2. Public Transportation

From Berlin Brandenburg Airport Schönefeld, take the Regional Express train RE7 or Regionalbahn train RB14 to “Alexanderplatz”. Change to the tram M4, M5 or M6 in direction “Hackescher Markt” and get off at the next stop “Spandauer Strasse / Marienkirche”. From here it is 100 m walking distance to the hotel, towards the Berlin Cathedral.

Travelling time: approx. 30 minutes (depending on traffic)

Fare: EUR 3,10 per person (ticket fare “Berlin ABC”)

Please note: Before using the public transportation system, you need to purchase a ticket which is valid for all busses, trains, the suburban railway, and trams. The fare „Berlin ABC“ (EUR 3,10) is valid for 2 hours travel within Berlin, from Berlin to the city of Potsdam, and within Potsdam.

Arrival by train at the train station “Hauptbahnhof” or “Ostbahnhof”

From Berlin-Hauptbahnhof (central station) and Berlin-Ostbahnhof take the “S-Bahn” line S3, S5, S7 or S75 in direction “Alexanderplatz” and disembark at station “Hackescher Markt”. Take the exit to „Spandauer Straße”. Follow this street and turn right into “Karl-Liebknecht-Straße”, where you will find the hotel within 200 m walking distance on your right.

Travelling time: approx. 30 minutes

Fare: EUR 2.40

Fare (taxi): EUR 10.00

Arrival by car (parking)

Hotel parking (self or valet) is available at the hotel.

Useful links**Deutsche Bahn (German Rail)**

<http://www.bahn.de>

Public Transportation

<http://www.bvg.de>

Airports

<http://www.berlin-airport.de>

Tourist Information

<http://www.berlin.de/english/>

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Agenda

Monday, 27 May 2013

Arrival

6:30 p.m. – 9:30 p.m.	Welcome Reception	Dom Lounge Radisson Blu Hotel Berlin
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Tuesday, 28 May 2013

8:15 a.m.	<i>Transfer from Radisson Blu Hotel to Berlin-Brandenburg Academy of Sciences and Humanities (BBAW)</i>	
8:30 a.m.	<i>Registration Briefing of Speakers and Moderators</i>	Berlin-Brandenburg Academy of Sciences and Humanities (BBAW)
9:00 a.m. – 10:20 a.m.	Introductory Session	
9:00 a.m. – 9:15 a.m.	Opening Remarks Peter Strohschneider, DFG, Germany Glaucius Oliva, CNPq, Brazil	
9:15 a.m. – 9:45 a.m.	Participant Introductions	
9:45 a.m. – 9:55 a.m.	Remarks on the Idea and Mission of the Global Research Council (GRC) Subra Suresh, Carnegie Mellon University, USA	
9:55 a.m. – 10:20 a.m.	Discussion Matthias Kleiner, Technische Universität Dortmund, Germany (Moderator)	
10:20 a.m. – 10:50 a.m.	<i>Coffee & Tea</i>	
10:50 a.m. – 12:30 p.m.	Session I – Principles of Research Integrity Shared scientific values and norms do not only form the basis for global scientific endeavors, but are also intrinsic to the broader public's trust in science. Recognizing the responsibilities of research funding agencies in creating an international environment in which research integrity is at the core of all activities, the GRC proposes a common set of guidelines, codified in its Statement of Principles for Research Integrity. From different regional and cultural perspectives, brief statements will demonstrate the differences still existing among funding agencies – and the need to overcome these barriers to forge an international consensus on responsible conduct in the global scientific enterprise.	

Tuesday, 28 May 2013

10:50 a.m. – 11:05 a.m.	Towards an International Consensus: Responsible Conduct in the Global Research Enterprise Indira Nath, IAP-IAC Committee on Research Integrity	
11:05 a.m. – 11:15 a.m.	Report from the African Regional Meeting 2012 Romain Murenzi, TWAS	
11:15 a.m. – 12:15 p.m.	Discussion Glaucius Oliva, CNPq, Brazil (Moderator) <u>Statements:</u> Shaukat Abdulrazak, NCST, Kenia Maged Al-Sherbiny, ASRT, Egypt Enrique Cabrero Mendoza, CONACYT, Mexico Andrzej Jajszczyk, NSC, Poland Vudhipong Techadamrongsin, TRF, Thailand	
12:15 p.m. – 12:30 p.m.	Endorsement of the GRC Statement of Principles Glaucius Oliva, CNPq, Brazil	
12:30 p.m. – 1:30 p.m.	<i>Lunch</i>	Berlin-Brandenburg Academy of Sciences and Humanities (BBAW)
1:30 p.m. – 4:45 p.m.	Session II – Open Access to Publications	
1:30 p.m. – 1:40 p.m.	Report from the Asian-Pacific Regional Meeting 2012 Michiharu Nakamura, JST, Japan	
1:40 p.m. – 3:00 p.m.	Panel I – Current Developments and Trends in Open Access Brief introductory talks will demonstrate the variety and broad range of approaches GRC member organizations already follow in enabling open access. The discussion will focus on the actual and ongoing discussions in the various organizations and their respective countries, trying to identify opportunities and main barriers as regards going forward with open access. Robert-Jan Smits, European Commission, DG Research (Moderator) <u>Statements:</u> José Miguel Aguilera, CONICYT, Chile Paul Boyle, Science Europe Aidan Byrne, ARC, Australia Ignace Gatere, NSTC, Ruanda Thirumalachari Ramasami, DST, India	
3:00 p.m. – 3:30 p.m.	<i>Coffee & Tea</i>	
3:30 p.m. – 4:30 p.m.	Panel II – Implementing the Action Plan Selected participants depict which items of the open access action plan seem to be most relevant to their organization and how they will go forward in implementing those action items – possibly in joint actions with fellow research organizations. Bai Chunli, CAS, China (Moderator) <u>Statements:</u> Abdulaziz M. Alswailem, KACST, Saudi-Arabia Isabelle Blain, NSRC, Canada László P. Kollár OTKA, Hungary Seung Jong Lee, NRF, Korea Suzan Muzite, RCZ, Zimbabwe	

Tuesday, 28 May 2013

4:30 p.m. – 4:45 p.m.	Endorsement of the Action Plan Peter Strohschneider, DFG, Germany	
4:45 p.m. – 5:00 p.m.	Closing Remarks Peter Strohschneider, DFG, Germany	
5:00 p.m.	<i>Transfer from BBAW to Radisson Blu Hotel</i>	
6:00 p.m.	<i>Transfer from Radisson Blu Hotel to the "Reichstag"</i>	
7:00 p.m. – 10:30 p.m.	Conference Dinner <u>Dinner Speeches:</u> Peter Strohschneider, DFG, Germany Johanna Wanka, Federal Ministry of Education and Research, Germany Dorothee Stapelfeldt, Joint Science Conference (GWK), Germany	"Abgeordnetenrestaurant im Reichstagsgebäude" (Restaurant in the German Parliament Building)
9:30 p.m. – 10:30 p.m.	Visit to the Reichstag Dome	
10:30 p.m.	<i>Transfer from the "Reichstag" to the Radisson Blu Hotel (or individual walk back)</i>	

Wednesday, 29 May 2013

8:15 a.m.	<i>Transfer from Radisson Blu Hotel to Berlin-Brandenburg Academy of Sciences and Humanities (BBAW)</i>	
8:30 a.m.	<i>Briefing of Speakers and Moderators</i>	<i>Berlin-Brandenburg Academy of Sciences and Humanities (BBAW)</i>
9:00 a.m. – 9:30 a.m.	Wrap-up Session Peter Strohschneider, DFG, Germany Glaucius Oliva, CNPq, Brazil	<i>Berlin-Brandenburg Academy of Sciences and Humanities (BBAW)</i>
9:30 a.m. – 10:30 a.m.	Discussion & Adoption of GRC By-Laws Yuichiro Anzai, JSPS, Japan (Moderator)	
10:30 a.m. – 11:00 a.m.	<i>Coffee & Tea</i>	
11:00 a.m. – 11:15 a.m.	<i>Group Photo</i>	
11:15 a.m. – 11:45 a.m.	A Look Ahead to 2014 Bai Chunli, CAS, China Isabelle Blain, NSERC, Canada	
11:45 a.m. – 12:00 p.m.	Closing Remarks & Adjournment Peter Strohschneider, DFG, Germany	
12:00 p.m. – 12:45 p.m.	Press Conference Marco Finetti, DFG, Germany (Moderator)	
12:00 p.m. – 12:45 p.m.	Special Session Exploring Synergies with GRC Partner Organizations Konrad Samwer, DFG, Germany (Moderator)	
12:45 p.m. – 2:00 p.m.	<i>Farewell Lunch</i>	<i>Berlin-Brandenburg Academy of Sciences and Humanities (BBAW)</i>
2:00 p.m.	End of the Annual Global Meeting	

Departure

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Keynote Speech



Professor Emerita Indira Nath, MD, FRCPATH, DSc(hc) Padmashri (India), Chevalier National Ordre du Merite (France)

Indira Nath is Chair Scientific Advisory Committee and Emeritus Professor, National Institute of Pathology, New Delhi, India. She obtained MBBS and MD (Pathology) from the All India Institute of Medical Sciences (AIIMS), New Delhi and served as Senior Professor and founder Chair of the Department of Biotechnology, AIIMS. She was Dean, Medical School of AIMST, Malaysia in 2004 and Director of Leptra Research Centre, Hyderabad 2006-2009. Her research is mainly on human immune responses in leprosy. She has mentored MD, MSc and PhD students, made contributions to education, science policies, women scientist and research integrity issues. She is Fellow of the 3 Science Academies and Medical Academy in India, TWAS and the Royal College of Pathologists, UK. She was Foreign Secretary of the Indian National Science Academy, Vice President and Council Member of the Indian Academy of Sciences, Bangalore, founder member of the Panel on Scientific Values. She has received several awards including the L’Oreal UNESCO Award for Women in Science (Asia Pacific) and DSc (hc) by Pierre and Marie Curie University, Paris. Civilian honors include Padmashri (India) and Chevalier Ordre National du Merite of France. She is the Co-Chair of the Inter Academy Council’s committee on Research Integrity and Chair ICSU programme on Health and Wellbeing in the changing Urban Environment.

National Institute of Pathology (ICMR)
Safdarjung Hospital Campus
New Delhi 110029 | India
Tel. +91 11 2610 0754 (off.)
Tel. +91 91 11 2651 7707 (res.)
indiranath@gmail.com

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Keynote Addresses



Professor Dr. Johanna Wanka
Federal Minister of Education and Research

Johanna Wanka heads the Federal Ministry of Education and Research. She is professor of mathematics. Before she moved into national politics, she was Minister of Science, Research and Culture in the federal state of Brandenburg, and most recently held the post of Minister for Science and Culture in the federal state of Lower Saxony.

Federal Ministry of Education and Research
Hannoversche Straße 28-30
10115 Berlin | Germany
Tel. +49 (0)30/ 1857-5003
Fax. +49 (0)30/ 1857-5500
johanna.wanka@bmbf.bund.de
<http://www.bmbf.de/en/>



Dr. Dorothee Stapelfeldt
Senator for Science and Research of Hamburg
Joint Science Conference (GWK)

Dorothee Stapelfeldt grew up in the environs of Hamburg. After completing her degree in history of art, history of German literature as well as social and economic history, she received a doctorate. As a representative of the Social Democratic Party she was member of the Parliament of Hamburg from 1986 until 2011. During this time Dr. Stapelfeldt became Parliamentary Secretary and vice chairperson of the parliamentary party as well as spokesperson for science and research. Between 2000 and 2004 she was president of the Parliament. Since March 2011 Dr. Stapelfeldt is Second Mayor and Senator for Science and Research of Hamburg.

Ministry of Science and Research
Hamburger Straße 37
22083 Hamburg | Germany
Tel.: +49 (0)40 / 428 63 – 0
Telefax: +49 (0)40 / 428 63 – 2411
dorothee.stapelfeldt@bwf.hamburg.de
<http://www.wissenschaft.hamburg.de>

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Research Council Representatives

Argentina



Jorge Tezón
Consejo Nacional de Investigaciones Científicas Y Técnicas
(CONICET)

Jorge Tezón has been Executive Director for Scientific and Technological Development at Consejo Nacional de Investigaciones Científicas y Técnicas Argentina (National Research Council) since 2005. From 2004 to 2005 he served as Manager of Interinstitutional Affairs at the National Institute for Agriculture Technology INTA, from 1998 to 2004 he was deputy Manager for Scientific and Technological Development at CONICET, and from 1985 to 2001 member of the National Research Career at CONICET. Academic training: Ph.D. in Chemistry (University of Buenos Aires), post-doctoral training in cell biology at Rockefeller University, New York, USA, and postgraduate training in Science and Technology Policy and Management at the University of Buenos Aires.

Australia



Aidan Byrne
Australian Research Council (ARC)

Aidan Byrne is CEO of the Australian Research Council (ARC). He was previously Dean of Science and Director of the College of Physical and Mathematical Sciences at the Australian National University (ANU). Professor Byrne completed a BSc and MSc degree at the University of Auckland before commencing his Ph.D. in Nuclear Physics at the ANU in 1981. He held positions with the University of Melbourne, then spent two years in Bonn, Germany, as a Humboldt Fellow. Returning to the ANU in 1989 as a Research Fellow, in 1991 Professor Byrne commenced a joint appointment between the ANU Department of Physics and department of Nuclear Physics, and was head of the Department of Physics from 2003 to 2007 before taking the role of Dean.

Austria



Christoph Kratky
FWF Austrian Science Fund

Christoph Kratky has been a professor of physical chemistry at the University of Graz since 1995. After completing his doctorate in chemistry at ETH Zurich, Kratky worked as a postdoctoral fellow at Harvard University from 1976 to 1977. He then returned to the Institute of Physical Chemistry at the University of Graz, where he established and led a working group for structural biology. In 1985, he earned his venia in the field of physical chemistry, and he became a full member of the Austrian Academy of Sciences in 1998. His research interests lie in the borderland between chemistry and biology. From 2003 to 2005, Kratky served as a member of the FWF Board, where he was responsible for the disciplines of chemistry and biochemistry. In addition to holding numerous positions in international scientific committees, Kratky became President of the FWF in 2005 and is currently serving his third term of office.

Belgium



Elisabeth Monard
Research Foundation Flanders

Elisabeth Monard is Secretary General of the Research Foundation Flanders. She was trained as a civil engineer (applied chemistry) and holds a Ph.D. in Applied Sciences from the Katholieke Universiteit Leuven, Belgium. Elisabeth Monard began her professional career as a teaching and research assistant at the Katholieke Universiteit Leuven. This was followed by a position as engineering director at the Federal Department of Public Health in the division Radiation Protection. From 1989 until 2005 she was the secretary of the Flemish Science Policy Council. She is member of the Board of the Queen Elisabeth Medical Foundation (GSKE), Academia Belgica, Science Europe, Fulbright Belgium, the Flemish Council for Science and Innovation (VRWI), the Royal Flemish Academy of Belgium for Science and the Arts.



Véronique Halloin
The Research Council of the French-speaking Community of
Belgium (F.R.S.-FNRS)

Véronique Halloin graduated in civil chemical engineering in 1986 and obtained a Ph.D. in applied sciences in 1992. She has been teaching in the field of transport phenomena, unit operations and chemical reaction engineering since 1995. Her past research fields of interest were related to modeling of transport phenomena in multiphase industrial processes, following a multiscale approach. She became full professor at Université Libre de Bruxelles in 2000, at the head of the chemical engineering research group, and held the position of vice-head and head of the bioengineering school of ULB, from 2000 to 2006. She progressively moved her scientific interests towards research evaluation and research policy matters as soon as she was appointed Vice-Rector in charge of research and development, from 2006 to 2008. In

October 2008, she was nominated Secretary General of the F.R.S.-FNRS, key player in Belgian basic research. Within the frame of this position, she is member of several governing boards and organizations, such as Science Europe. She also acts as Belgian delegate at the CERN general council.

Brazil



Glaucius Oliva
Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq)

Glaucius Oliva is full professor at the Institute of Physics of São Carlos of the University of São Paulo, where he also directs the National Institute of Science and Technology of Structural Biotechnology and Medicinal Chemistry in Infectious Diseases. He is President of the Brazilian National Council for Scientific and Technological Development – CNPq. He studied Physics and Electronics Engineering and obtained his Ph.D. in Protein Crystallography at the University of London in 1988. His main research interests are structural biology and its application in drug design and discovery, with a particular focus on parasitic infectious tropical diseases that affect the population of Brazil and other developing countries. He is Member of the Brazilian Academy of Sciences and has received the Medal of Commander of the National order of Scientific Merit.



José Arana Varela
Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP)

José Arana Varela is Chief Executive Officer of FAPESP. He is full professor for physical chemistry at São Paulo State University Araraquara, Institute of Chemistry (IQ/Unesp), A1 Researcher for the National Council for Scientific and Technological Development (CNPq), and President of the Brazilian Society for Materials Research (SBPMat). With a degree in physics from the University of São Paulo (1968), he did his master's degree at ITA (the Aeronautics Technological Institute) in 1975 and his doctorate, in ceramic materials, at the University of Washington (1981). José Arana Varela is a member of the Federation of Industries of the State of São Paulo (FIESP) Superior Council of Innovation and Competitiveness, member of the Brazilian Physical Society, the World Academy of Ceramics, the American Ceramic Society, the Materials Research Society/USA and Brazil and São Paulo State Academy of Science. Mr. Varela has received many prizes and honors, including the Spanish Society of Ceramics and Glass' Golden Epsilon Prize, the Elsevier Scopus Prize for his contributions to science in Brazil and, recently, the Global Star Award, of American Ceramic Society.

Canada



Isabelle Blain
Natural Sciences and Engineering Research Council of Canada (NSERC)

Isabelle Blain was appointed Vice-President of Research Grants and Scholarships in June 2002. Isabelle has direct responsibility for Canada's award programs that promote discovery and the training of highly qualified personnel in the natural sciences and engineering. Her current priorities include the implementation of recommendations from major reviews related to the conduct of peer review, and the launch of new scholarships and fellowships programs—including the Banting Postdoctoral Fellowships Program, Vanier Canada Graduate Scholarships Program, and Collaborative Research and Training Experience Program. Isabelle has enjoyed an outstanding and varied career at NSERC. Between 1998 and 2002, she was NSERC's Corporate Secretary. Previous to that, she was the Coordinator of Review and Investigation. Isabelle also served the Research Grants Division for a number of years in the capacity of Research Grants Officer and later as the Chief of Coordination. Her interim appointments have included the Director of Human Resources and Director General of the Common Administrative Services Directorate of NSERC and SSHRC. Before joining NSERC, Isabelle worked for 10 years as an industrial researcher, and project manager in microbiology and process improvement for Joseph E. Seagram et Fils, Limitée.

Chile



José Miguel Aguilera
Comisión Nacional de Investigación Científica y Tecnológica (CONICYT)

José M. Aguilera is President of the National Commission for Scientific and Technological Research, CONICYT and Professor of Chemical and Food Engineering at the P. Universidad Católica de Chile (PUC) in Santiago. A chemical engineer, he holds a MSc. degree in food technology from MIT, a MBA from Texas A&M University and a Ph.D. in food science from Cornell University (minor ChemE). At the College of Engineering (PUC) he was Associate Dean for seven years and Head of the Chemical Engineering Department for several periods, being instrumental in its transformation to a world-class educational program (as recently recognized by ABET). Aguilera has been visiting professor at Cornell, UC-Davis, Rutgers, the Technical University Munich and the Nestlé Research Centre in Lausanne. For the last 12 years he has been a consultant to the Nestlé Research Center in Lausanne, and also advisor to Unilever, Kellogg's, Frito-Lay and the FAO of United Nations.

China



Bai Chunli
Chinese Academy of Sciences (CAS)

Professor **Bai** graduated from the Department of Chemistry, Peking University in 1978 and received his MSc. and Ph.D. degrees from the CAS Institute of Chemistry in 1981 and 1985 respectively. From 1985 to 1987, he worked with the US California Institute of Technology in the field of physical chemistry as a post-doctoral associate and visiting scholar.

After back to China in 1987, he continued his research at the CAS Institute of Chemistry. From 1991 to 1992, he worked as a visiting professor at Tohoku University in Japan.



Liu Congqiang
National Natural Science Foundation of China (NSFC)

Congqiang Liu's research area is the study of karst ecological and environmental problems in Southwest China, especially the geochemical process of the Earth's surface and Eco-environment effects in karst area, and the basic theory and the application of trace element and isotope geochemistry. After graduating from the Nanjing University, he went on to study in the Institute of Geochemistry, Chinese Academy of Sciences (CAS). He received his PhD degree from the University of Tokyo in 1991. He was elected CAS Academician in 2011 and is now Vice President of the National Natural Science Foundation of China.

Croatia



Lovorka Barac Lauc
Croatian Science Foundation

Lovorka Barac Lauc obtained her BS in biology, MS in natural sciences and Ph.D. in biological anthropology at the Faculty of Natural Sciences and Mathematics of the University of Zagreb. Her training also includes a research experience as a French Government Fellow at the Laboratoire d'hematologie, Faculte de Pharmaciein Boredeaux and specialization in high-resolution phylogenetic analyses at the Department of Evolutionary Biology, Institute of Molecular and Cellular Biology, Tartu University. During 1992-2009 she worked as a junior and senior researcher at the Institute for Anthropological Research in Zagreb. From 2009 she serves as the Executive Director of the Croatian Science Foundation.

Czech Republic



Petr Matějů
Czech Science Foundation

Petr Matějů is Professor of Sociology, currently the Chair of the Department of Sociology at the University of Finance and Administration in Prague, and senior researcher on education and educational policy in the Institute for Social and Economic Analyses. Since 2008 he serves as President of the Czech Science Foundation. He studied at Charles University in Prague and Masaryk University in Brno, where he obtained his Ph.D. and professorship. He taught sociology at universities both at home and abroad. Between 1998 and 2002 he was a Member of the Czech Parliament (chairing the Committee for Science and Higher Education). During the years 2006 - 2010 he was the Czech delegate to the OECD Educational Policy Committee, OECD forum on Institutional Management of Higher Education, and member of the Governing board of OECD project PIAAC.

Denmark



Peter Munk Christiansen
Danish Council for Independent Research

Peter Munk Christiansen has been appointed the new Chairman of the Danish Council for Independent Research from 1 January 2013. He succeeded Jens Christian Djurhuus, who has held the position since 2007. Prior to becoming chairman, Peter Munk Christiansen has for the past four years been Chairman for the Danish Council for Independent Research | Social Sciences (FSE). He holds a Ph.D. in Political Science and has been Professor of Political Science at the University of Aarhus since 2007. Previously, he held a professorship for Political Science at the University of Southern Denmark (2003-2007). From 1988 to 1989 he was a Visiting scholar at the MIT Department of Political Science in Cambridge, USA. In addition, Peter Munk Christiansen has been a member on several committees and advisory bodies. From 2009 to 2012, Peter Munk Christiansen was a member of NORFACE Network Board, from 2009 to 2012 member of Joint Committee for Nordic Research Councils for the Humanities and the Social Sciences (NOS-HS).

Egypt



Maged Moustafa Al-Sherbiny
Academy of Scientific Research and Technology (ASRT)

Maged Moustafa Al-Sherbiny has been President of the Academy of Scientific Research and Technology (ASRT) in Cairo, Egypt, since 2010. Since 2007, he has also served as Assistant Minister for Scientific Research, Ministry for Scientific Research and Technology (MOSRT), and as professor of immunology of the zoology department, faculty of science, Cairo University (CU), Giza (since 2004). He is UNESCO Prize Laureate for Life Sciences 2012. President of NAM Science and Technology Center, Council Member of IIASA, Vienna – Austria, Council Member of

IAP, Trieste – Italy, Council Member of ANDI, WHO – Geneva, and a member of the National Synchrotron Committee and the Regional Synchrotron-light for Experimental Science and Applications in the Middle East (SESAME) Scientific Committee. In addition, he is the Egyptian Coordinator of the German-Egyptian Year of Science and a member of the Egyptian-German Society of Zoology. Maged Moustafa Al-Sherbiny holds a Ph.D. in immunology from the Faculty of Science, CU, Giza, spent training periods at the Case Western Reserve University, Cleveland (USA).



Mahmoud Mohamed Sakr
Science and Technology Development Fund (STDF)

Mahmoud Mohamed Sakr holds a Ph.D. in plant biotechnology and a professorship in plant biotechnology since 2006. He is former Vice President of the Egyptian Academy of Scientific Research and Technology. In May, 2012, Professor Sakr was appointed as Executive Director of Science and Technology Development Fund (STDF), Egypt. Professor Sakr has held several positions at national level, including:

Director of Center of Excellence for Advanced Sciences, President of Genetic Engineering and Biotechnology Division and Chief of pilot unit for the applications of biotechnology, Biotechnology Officer at STDF and Editor-in-Chief of Journal Genetic Engineering and Biotechnology, Elsevier. On the international level, Professor Sakr is the Secretary General of Arab Biotechnology Association, Federation of Arab Scientific Research Councils. He also served as member in the regional executive committee of Middle East Science Fund (MESF), BoD of International Institute of Applied System Analysis (IIASA) and Inter Academies Panel (IAP).

Europe / European Union



Robert-Jan Smits
European Commission, DG Research and Innovation

Robert-Jan Smits is Director-General of DG Research and Innovation (RTD) at the European Commission. In this capacity he is responsible for defining and implementing the EU policy and programmes in the field of research and innovation (average annual budget eight billion euro). His previous assignment was Deputy Director-General of DG JRC where he was responsible for Programmes and

Stakeholder Relations, Resource Management, and three Institutes, being the Institute for Energy, the Institute for Environment and Sustainability and the Institute for Prospective Technological Studies. Before that Mr. Smits was Director for the European Research Area: Research Programmes and Capacity at DG RTD, where his responsibilities included: coordination of national research programmes, cooperation with intergovernmental research organisations (EIROforum, EUREKA, COST), Research Infrastructures, the relations with the European Investment Bank (EIB) and the Structural Funds. Mr. Smits is chairing several high-level committees such as European Research Area Committee (ERAC) and the Steering Committee of the ERC (ERCEA). – Robert-Jan Smits has degrees from Utrecht University in the Netherlands, Institut Universitaire d’Hautes Etudes Internationales in Switzerland, and the Fletcher School of Law & Diplomacy, USA.



Helga Nowotny
European Research Council, ERC Scientific Council

Helga Nowotny is President of the European Research Council, ERC, and Professor Emerita of social studies of science, ETH Zurich. She is a founding member of the European Research Council. In 2007 she was elected ERC Vice President and in March 2010 succeeded Fotis Kafatos as President of the ERC. Before joining ETH Zurich, she has been professor at the University of Vienna and has held teaching and research positions in Cambridge, UK, Bielefeld, Berlin, Paris and Budapest. She has also been a fellow at the Wissenschaftskolleg zu Berlin. Her current host institution is the Vienna Science and Technology Fund (WWTF). Helga Nowotny is a member of Scientific Advisory Boards and selection committees in several European countries. She is a Foreign member of the Royal Swedish Academy of Sciences and long standing member the Academia Europaea.

France



Philippe Freyssinet
Agence Nationale de la Recherche (ANR)

Philippe Freyssinet was born in Strasbourg in 1962. He started to study Earth Sciences and obtained a Ph.D. in geochemistry in 1989 at the University of Strasbourg. After a post-doc at CSIRO (Perth, W. Australia), he joined ANDRA (the National Agency for Radwaste Management) to lead research on radioactive waste disposal in geological conditions. He joined BRGM (French Geological Survey) as project leader on the treatment of industrial wastes and mining exploration technologies and took the lead of Laboratory of Mineral Exploration of BRGM in 1994. He co-founded in 1999 the Environment & Innovative Processes Department of BRGM focusing research on polluted environments and waste management technologies. In 2005, he joined the French National Research Agency (ANR) at its inception, as Head of the Department on Sustainable Energies and Environment, in charge of the programming strategy in the areas of low carbon energies and environmental technologies. Since 2011 he is Deputy Director of the National Agency of Research (ANR) in charge of scientific affairs.



Alain Fuchs
Centre national de la recherche scientifique (CNRS)

Alain Fuchs has been appointed as President of CNRS by the French Council of Ministers on January 20th, 2010. He was previously the director of *Ecole Nationale Supérieure de Chimie de Paris* (ENSCP, Chimie ParisTech) and a professor of chemistry at Pierre et Marie Curie and Paris-Sud universities. He was also President of the physical chemistry division of the *Société française de chimie* and the *Société française de physique* from 2002 to 2005. – Alain Fuchs is a Knight of the French Legion of Honour (2010) and Order of Academic Palms (1996). He is a member of the Academia Europaea, a Fellow of the Royal Society of Chemistry and a member of the Board of directors of the International Adsorption Society. He also holds an Honorary Doctorate from the *Université du Québec à Montréal*, Canada (2011) and an Alumni Award from the *École Polytechnique Fédérale de Lausann*, Switzerland (2011).

Germany



Peter Strohschneider
Deutsche Forschungsgemeinschaft (DFG)

Peter Strohschneider was born in Stuttgart in 1955. He is the President of the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation), the central self-governing organization for sciences and the humanities, which promotes research in universities and other publicly funded research institutions in Germany. He studied German philology, as well as law, history, sociology and political science, and received his PhD from the Ludwig-Maximilians-University (LMU) in 1984. He was professor of German medieval and early modern studies at Dresden University of Technology from 1993 until 2002. Since 2002 he has held the chair of German medieval studies at the LMU in Munich. His research foci lie in the fields of German medieval and pre-modern culture and literature, as well as academic research policy. He was a visiting professor at the École Pratique des Hautes Études in Paris, the Freiburg Institute for Advanced Studies and the Goethe University Frankfurt/Main and declined calls from the University of Tübingen and the Freie Universität Berlin. From 2006 to 2011 he chaired the German Sciences and Humanities Council (Wissenschaftsrat). He is a member of numerous international committees and academies, including the Bavarian Academy of Sciences and the Academia Scientiarum et Artium Europaea.



Herbert Jäckle
Max Planck Society (MPG)

Herbert Jäckle is Director at the Max-Planck-Institut für biophysikalische Chemie (Göttingen, Germany) and Vice-President of the Max Planck Society. He studied Chemistry and Biology (Universität Freiburg) and spent his postdoc at the University of Texas at Austin (USA). He held positions as staff scientist at EMBL (Heidelberg), as research group leader (Max-Planck-Institut für Entwicklungsbiologie, Tübingen) and as professor for genetics (Ludwig Maximilian Universität, München). Dr. Jäckle is a member of EMBO, the Academia Europaea, and German Academies of Sciences (Leopoldina and Göttingen). He obtained several scientific awards (including the Gottfried Wilhelm Leibniz Prize, the Otto Bayer Prize and the Louis Jeantet Prize for Medicine), and serves on Advisory Boards both in academia and industry (e.g. EMBL, Biocenter of the University Basle, Boehringer Ingelheim Foundation, DeveloGen AG).

Hungary



László P. Kollár
The Hungarian Scientific Research Council (OTKA)

László P. Kollár has been the President of the OTKA Board since 2009. He is a civil engineer by training and holds a professorship at the department of mechanics, materials and structures at Budapest University of Technology and Economics. Professor Kollár's research interests are composite materials, structural engineering, and earthquake engineering.

Iceland



Hallgrímur Jonasson
Icelandic Centre for Research (RANNIS)

Hallgrímur Jonasson is currently General Director of Rannís, the Icelandic Centre for Research. Rannís supports research, technological development and innovation in Iceland and cooperates with the Icelandic Science and Technology Policy Council (STPC) with the purpose of providing professional assistance in the preparation and implementation of science and technology policy in Iceland. – Before joining Rannís, Hallgrímur Jonasson was General Director at Ictec, the Technological Institute of Iceland. He started at Ictec in 1980 as an engineer and became a Director for New Industry division from 1985, mainly engaged in the buildup of materials technology and biotechnology. From 1992 to 2007, as General Director (President) at Ictec, his main areas were materials technology, food technology, chemical processes, biotechnology, education and training and Innovation Centre (Impra). Mr. Jónasson has served on various Icelandic committees. He was a member of the Research Council in Iceland from 1994 to 1997; Board member of the Nordic Industrial Fund (now NICE) from 1992 to 1996, Chairman of the Board in 1994; Member of the Science and Technology Policy Council (STPC) in Iceland and Chairman of the Technology Board of STPC from 2002 to 2008.

India



Thirumalachari Ramasami
Department of Science and Technology (DST)

Thirumalachari Ramasami holds a Master's Degree in Leather Technology from the University of Madras, India and a Ph.D. in Chemistry from the University of Leeds, UK. He worked on energy research at Ames Laboratory, Iowa (USA) and on electron transport phenomena at Wayne State University, USA. In 1984 he joined the Central Leather Research Institute, Chennai (India) as a scientist and served as its Director up to May 2006. As Secretary (Science & Technology) in the Government of India since May 2006, Dr. T. Ramasami is currently engaged in policy making and programs for the attraction of talents for study and careers with sciences, rejuvenation of research in universities, stepping up international S&T cooperation, developing Public Private Partnership in R&D sector, accountability of public funded research, development and demonstration.

Indonesia



Lukman Hakim
Indonesian Institute of Sciences (LIPI)

Lukman Hakim is Chairman of the Indonesian Institute of Sciences (LIPI), the preeminent science and research institution in Indonesia that directly reports to the President of the Republic of Indonesia. Dr. Hakim first graduated from the Department of Pharmacy of the Faculty of Sciences of the University of Indonesia in 1979. He joined LIPI in 1980 as a

researcher and served as Vice Chairman of LIPI until 2003. As Vice Chairman of LIPI, Lukman Hakim's main responsibilities have been in the area of Planning, Audit and Supervision, in addition to special tasks assigned by the then Chairman, Dr. Umar Anggara Jenie. Lukman Hakim has also been responsible for dealing with and coordinating LIPI's extensive professional links with world scientific and international organizations. Among others, Lukman has served as the National Coordinator for cooperation with JSPS-Japan; he is a member of the Governing Council of the Asia Pacific Center for Technology Transfer (APCTT) under the United Nations. Furthermore, he acts as the national focal point of the Science Council of Asia and has been representing Indonesia in Asia Head of Research Council (ASIAHORC) since its inauguration in 2007. Lukman Hakim holds a Ph.D. from Tokyo University (1993).

Ireland



Mark Ferguson
Science Foundation Ireland

Mark W.J. Ferguson commenced as Director General of Science Foundation Ireland in January 2012 and as Chief Scientific Adviser to the Government of Ireland in October 2012. Previously he was Professor in Life Sciences at the University of Manchester (since 1984) and co-founder, CEO and Chairman of Renovo Group plc (1998-2011).

Mark graduated from the Queens University of Belfast with degrees in Dentistry (BDS 1st class honors), Anatomy and Embryology (BSc 1st class honors, Ph.D.) and Medical Sciences (DMedSc), holds Fellowships from the Royal Colleges of Surgeons in Ireland (FFD), and Edinburgh (FDS) and is a Founding Fellow of the UK Academy of Medical Sciences (FMedSci). He is a member or Fellow of a number of learned Societies, and was made a "Commander of the British Empire" (CBE) by the Queen in 1999 for services to Health and Life Sciences.

Israel



Hanoch Gutfreund
Israel Science Foundation

Hanoch Gutfreund is Professor Emeritus in Theoretical Physics at the Hebrew University of Jerusalem (HUJ). His research has focused on condensed matter physics, statistical mechanics and computational neuroscience. At HUJ he served on a number of academic positions: Chairman of the Institute of Physics, Chairman of the Institute for Advanced Studies, Rector and President. At present he chairs the academic committee of the Albert Einstein Archives. Professor Gutfreund has served on a number of national committees on education, on higher education and on issues of science policy. He has been active in promoting science education and science understanding. At present, he is Chairman of the Executive Committee of the Israel Science Foundation, Chairman of the Magid Institute for Continued Education and Chair of the Scientific Committee of the Jerusalem Science Museum.

Italy



Luigi Nicolais
Consiglio Nazionale delle Ricerche (CNR)

Luigi Nicolais is Professor Emeritus of Material Science at the University of Naples "Federico II" and since February 2012, president of CNR, the National Research Council of Italy. He is the founder and director of the Interdepartmental Center for Research on Biomaterials and he is a member of the Scientific Committees of several institutions, such as Federchimica, Confindustria and Alenia and professional societies. He is a representative of Gruppo 2003, an Assembly of Italian Researchers which has been ranked by the ISI (Institute for Scientific Information) of Philadelphia, among the most important and well-known in the world. Since 2004 he has been President and Founder of IMAST (Engineering District of Polymeric Materials) and in 1995 he became Chairman of "Città della Scienza" and ARTI (Regional Agency for Innovation and Technology of Region of Puglia). Luigi Nicolais was regional minister for University and Scientific Research and Technological Innovation in the Region of Campania, and member of the Italian Parliament. In 2006, he was appointed Minister of Public Administration and Innovation of the Italian Republic and was given the Order of Merit.

Japan



Yuichiro Anzai
Japan Society for the Promotion of Science (JSPS)

Yuichiro Anzai has been President of JSPS, the representative research funding agency of Japan for academic research since October 2011. Dr. Anzai is known for his extensive work in cognitive and computer sciences, published in more than 200 academic articles and a number of books including "Mind and Brain: Introduction to Cognitive Science" published in 2011. He received Ph.D. degree in engineering from Keio University in 1974 and became professor at School of Science and Technology, Keio University in 1988, after spending years at Keio and Hokkaido University, as well as at Carnegie Mellon University, USA, as postdoc (1976-78) and visiting assistant professor (1981-82). He also stayed at McGill University in Canada as visiting professor (1990). He served as Dean of School of Science and technology, Keio University (1993-2001) and as President there (2001-2009) before moving to JSPS. Dr. Anzai is a recipient of the Medal with Purple Ribbon from the Emperor of Japan for his contribution to information and cognitive sciences, Commandeur de l'Ordre des Palmes Academiques of the French Government, and honorary degrees from Ecole Centrale de Nantes in France and Yonsei University in Korea. He also serves currently as Chair of University Subcouncil, central Council of Education.



Michiharu Nakamura
Japan Science and Technology Agency (JST)

Michiharu Nakamura graduated from the University of Tokyo and joined Hitachi Central Research Laboratory in 1967, where he was engaged in compound semiconductors and optoelectronics research. He was a pioneer of semiconductor DFB laser development. In 2004, he was appointed Executive Vice President and Executive Officer of Hitachi Ltd., and then assumed a position of Board of Director till September 2011. He was responsible for corporate technology development and new business incubation. He was a visiting Researcher at California Institute of Technology in 1972-73. Since October 2011, he has been serving as President of Japan Science and Technology Agency (JST), where policy-driven R&D funding is a major mission. Also, the dissemination of scientific information, science education for young generation, and science communication are among current activities. He has been actively working on national science and technology strategy. He served for Industrial User Society for Neutron Application, Industrial R&D Committee of the Japan Business Federation, Council of Competitiveness Japan, Management Committee of Tsukuba Innovation Arena, and Nanotechnology Business Creation Initiative (NBCI). He is a member of the Council for Science and Technology of Minister of Education, Culture, Sports, Science and Technology (MEXT). He is entitled IEEE fellow, JSAP fellow, and IEICE fellow.

Kenya



Shaukat Ali Abdulrazak
National Council for Science and Technology (NCST)

Shaukat Abdulrazak is the Secretary and the CEO of the National Council for Science and Technology and Innovation (NCST), a Kenya Government agency that provides national policy advice on all matters of Science, Technology and Innovations (ST&I). One of the other important roles of the Commission is to ensure that the country's ST&I sectors are well regulated and coordinated for national social-economic development. Professor Abdulrazak is a member of the National Economic and Social Council (NESC), which is a government think tank on national economic development. He chairs the African Technology and Policy Studies (ATPS), an international NGO whose mandate is to foster development and use of technology and research policies especially in Africa. He's part of the African Regional Cooperative Agreement (AFRA) for research and training to nuclear science and technology and he is Kenya's liaison officer for the IAEA, ICGEB among other regional and international agencies. He has a passion for using R&D in providing practical interventions to national problems of the developing world through innovative approaches. He is also a champion in mobilizing resources for young people to transform ideas into products, services and businesses in Kenya and beyond.

Korea



Seung Jong Lee
National Research Foundation of Korea (NRF)

Seung Jong Lee is President of National Research Foundation of Korea. He holds a bachelor of Chemical Engineering degree from Seoul National University and a Ph.D. in Chemical Engineering degree from the University of Delaware. He has served as a professor of Seoul National University in Chemical Engineering department since 1984 and has filled various posts such as Visiting Associate Professor of University of Delaware, Visiting Professor of University of Missouri, Academic Affairs Vice-Dean of Engineering College at Seoul National University, Director of BK21 Program in Chemical Engineering at Seoul National University, Director of Directorate for Basic Research in Science & Engineering at National Research Foundation of Korea, and Executive Vice President of Seoul National University. In addition, since 2012, Seung Jong Lee also serves as president of the Korean Institute of Chemical Engineering (KICHE).

Luxembourg



Marc Schiltz
National Research Fund of Luxembourg

Marc Schiltz is the Executive Head of the National Research Fund of Luxembourg, a position to which he was appointed in 2011. He holds a Ph.D. in Physics (Crystallography) from the University of Paris and has been active in research for more than 18 years. Previously to his current appointment, he was Professor and head of a research laboratory at the Swiss Federal Institute of Technology and also holds academic positions at the University of Paris.

Mexico



Enrique Cabrero Mendoza
Consejo Nacional de Ciencia y Tecnología (CONACYT)

Enrique Cabrero Mendoza holds a B.A. in Administration from the University of San Luis Potosi (1977), he obtained an MA in Public Administration (1980) from the Center for Economic Research and Teaching (CIDE), he got the Pedagogical Perfectioning Program certification by the Centre d'Enseignement Supérieur des Affaires (CESA) in France (1982) and a Ph.D. in Management Sciences from the HEC School in France (2001). He has been a visiting professor at the Ecole Normale Supérieure in France, at the University of Birmingham in Britain, and at the Autonomous University of Barcelona in Spain, among others. Dr. Cabrero has also been a consultant to various international institutions such as the OECD, the UNPD, DEXIA, the World Bank, as well as for national institutions and local governments. On 3 January 2013, he was appointed as the Director General of the National Council of Science and Technology (CONACYT).

Netherlands

**Jos Engelen**

The Netherlands Organisation for Scientific Research (NWO)

Jos Engelen has been professor of Experimental Physics at the University of Amsterdam's (UvA) Institute of Physics since 1987. He was appointed Distinguished Research Professor in 2009. Jos Engelen is Chairman of the Netherlands Organisation for Scientific Research (NWO), which is the national academic research funding organisation, and was vice-president of the former European association of the heads of research funding and research performing organisations, or EURO-HORCs. Engelen was previously director of Nikhef from 2001 until 2003, and in 2004 was named scientific director and deputy director-general of CERN. Among the projects he was involved in there were the construction and launch of the new Large Hadron Collider particle accelerator and experiments conducted with it.

New Zealand

**Prue Williams**

Ministry of Business, Innovation and Employment

Prue Williams is General Manager Science Investments for the Ministry of Business, Innovation and Employment. The Ministry advises the Government on New Zealand's science and innovation system, oversees RS&T investment and fosters commercialization to enhance productivity and deliver benefit to New Zealand. Prue has a Ph.D. in soil science and a research career in understanding sustainable land management issues in pastoral and cropping systems. She was General Manager Research for Crop & Food Research, one of the New Zealand Crown Research Institutes, and spent four years as Chief Science Adviser to the Foundation of Research Science & Technology and the Ministry of Science and Innovation. Prue has been involved in collaborative international research programs and has been a regular reviewer of international proposals and programs.

Norway

**Arvid Hallén**

The Research Council of Norway

Arvid Hallén is Director-General of The Research Council of Norway. After an early career as a researcher in sociology at the University of Bergen and Institute for Social Research in Oslo he was appointed Director-General at The Norwegian Institute for Urban and Regional Studies from 1987 to 1995. From 1995 and up to present, Arvid Hallén has been a member of the strategic leadership of The Research Council of Norway. Arvid Hallén has a broad experience from both the national and international level concerning research cooperation, participation in research steering groups, international expert panels and policy bodies. At present he is a member of ESF Governing Council, EUROHORCs and NORDHORCs –

the Nordic group of research council's Director-Generals. He was a member of the Main Expert Panel for evaluation of the Danish Research Councils (2009). Most recently he was also member of the Expert Panel for the Mid Term Evaluation of FP7 (2010) and the evaluation of The National Research Foundation of South Africa (2011).

Poland

**Maciej Żylicz**

Foundation for Polish Science

Maciej Żylicz has been President and Executive Director of the Foundation for Polish Science since September 2005 and head of the molecular biology department of the International Institute of Molecular and Cell Biology of Warsaw since 1999. In the past, he was, inter alia, a professor of molecular biology and deputy rector for Scientific Affairs (Gdansk University), visiting professor (Utah University), representative of Poland at EMBC and ESF, member of the Polish Research Council, chairman of the Base Research Committee and chairman for molecular and structure biology ERC LS1 panel. Maciej Żylicz is a full member of the Polish Academy of Sciences, a member of the German National Academy of Sciences Leopoldina and Academia Europaea, a fellow of the European Academy of Cancer Sciences and a corresponding member of the Polish Academy of Arts and Sciences. He is also a member of the European Molecular Biology Organisation (former member of the council) and a member of the Senate of the Max Planck Society. Since September 2010 he is a member of the European Research Council Scientific Council Identification Committee and Science Advisor to the President of the Republic of Poland.

**Andrzej Jajszczyk**

National Science Centre

Andrzej Jajszczyk is the Director of the National Science Centre and a professor at the AGH University of Science and Technology in Krakow, Poland. He graduated from Poznan University of Technology. He was a visiting professor at the University of Adelaide in Australia, at Queen's University in Kingston, Ontario, Canada, and at Ecole Nationale Supérieure des Télécommunications de Bretagne, France. He has been a consultant to industry, telecommunications operators, and government agencies in Australia, Canada, France, Germany, India, Poland, and the USA. He is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE). He was the founding editor of IEEE Global Communications and Editor-in-Chief of IEEE Communications Magazine. He is Associate Editor-in-Chief of China Communications. He held important positions in IEEE Communications Society, such as: Director of Magazines, Director of Europe, Africa, and Middle East Region, Vice President – Technical Activities. Andrzej Jajszczyk is Vice-President of the Kyoto-Krakow Foundation, fostering cultural and technical relations between Asia and Poland.

Portugal

**Miguel Seabra**

Fundação para a Ciência e a Tecnologia (FCT)

Miguel Seabra is President of the Fundação para a Ciência e a Tecnologia (FCT), the Portuguese national funding agency for scientific research and development. Before taking up his current role in January 2012, Miguel Seabra was Director of the Centre for Chronic Diseases (CEDOC) at the Medical School of the Universidade Nova de Lisboa. He retains a full professorship at the university, where he coordinates research in cellular and molecular medicine and holds several chairs. Miguel Seabra holds a Ph.D. from Southwestern Medical Center, University of Texas, where he was an Associate Professor, before moving to the Biomedical Science Division of Imperial College Medical School (London) where he became Full Professor and head of unit. He is a member of the European Society for Pigment Cell Research Council, and was a member of review panels in the UK. He is on the Scientific Advisory Boards of several research centres and faculties in Portugal.

Rwanda

**Ignace Gatare**

National Science and Technology Commission (NSTC)

Ignace Gatare is the Director General of the National Science and Technology Commission (NSTC) that has the core mandate of organizing, coordinating and monitoring the development of Science, Technology, Research and Innovation Programs in Rwanda. Prior to his appointment as Director General of NSTC, he served in the Government of Rwanda as Cabinet Minister in Charge of Information Technology, from November 2009 until 12 April 2012. He received his undergraduate and M.Sc. degrees in Electrical Engineering, respectively in 2001 and 2004, with major in Telecommunications, from the Mons Engineering Faculty (FPMs), Mons, Belgium. In 2008, he obtained his Ph.D. degree in Engineering Sciences from the Vrije Universiteit Brussel (VUB) where he also worked as a postdoctoral research fellow. While serving as Minister in charge of ICT, Dr. Gatare chaired the National Steering Committees in charge of the 2011-2015 National Information and Communications Infrastructure (NICI) Plan and the Migration from Analog to Digital Television, respectively.

Russia

**Vladislav Panchenko**

Russian Foundation for Basic Research (RFBR)

Vladislav Panchenko is Chairman of the Board of the Russian Foundation for Basic Research (RFBR). The RFBR provides on a competitive basis financial support to individual scientists and research teams, enabling them to select research topics independently, to set up academic teams, and to concentrate resources on the most promising research projects. The RFBR cooperates with many institutions in

Europe and Asia, and with the National Science Foundation and Civil Research and Development Foundation in the United States. Vladislav Panchenko holds a Ph.D. in Physics from Lomonosov Moscow State University (MSU) and has been full professor there since 1994. In May 2008 Panchenko was elected as a Member of the Russian Academy of Sciences (RAS). Since 1992, he has been Director of the RAS Institute of Laser and Information Technologies (IPLIT), and since 2006 Director of the Russian Science Center “Kurchatovsky Institute”, Institute of Molecular Physics.

Saudi Arabia

**Abdulaziz M. Alswailem**

King Abdulaziz City for Science and Technology (KACST)

Abdulaziz M. Alswailem is Vice-President for Research Support and professor at King Abdulaziz City for Science and Technology, as well as chairperson of the National Committee of BioEthics (NCBE), Saudi Arabia. Previously, he has served as Director of the Natural Resources and Environment Research Institute for ten years. Furthermore, he had served as chairperson of the Biotechnology Research Center, Arab Committee of Ethics of Science and Technology, and the international Government BioEthics Committee-UNESCO. Dr. Alswailem has also participated in numerous research projects, in field of Biosafety, Genomics and Proteomics. Dr. Alswailem completed his doctorate at Sheffield University, United Kingdom, in the field of applications of alteration and maintenance of genetic materials, DNA. He has authored numerous scientific reports and articles in the area of biochemistry and genetic engineering, and has lectured in national and international symposia and conferences.

Singapore

**Low Teck Seng**

National Research Foundation (NRF)

Low Teck Seng is the Chief Executive Officer of the National Research Foundation (NRF), Prime Minister's Office, Singapore. The NRF sets the national direction for research and development (R&D) by developing policies, plans and strategies for research, innovation and enterprise. Prior to joining NRF in July 2012, Professor Low served as the Managing Director of the Agency for Science, Technology and Research. As A*STAR's Managing Director, Prof Low oversaw A*STAR's strategic priorities of driving innovative research and developing scientific talent to support Singapore's economic and industry development goals. He was dean of engineering at the National University of Singapore from 1998 to 2000, is presently a senior advisor to the president at Nanyang Technological University and a tenured professor with National University of Singapore.

Slovak Republic

**Lydia Suchova**

Slovak Research and Development Agency

Lydia Suchova graduated at the Faculty of Mathematics and Physics of Comenius University in Bratislava. Later on she worked as a teacher of mathematics and physics on different schools (from secondary to university level). During 2003 – 2004 she was a detached National Expert at the European Commission (Directorate General Education and Culture) in Brussels. From 2004 she has been active in the project designing, implementation and management issues. She was a founder and a head of Center for Project Co-operation at the Faculty of Natural Sciences of the Comenius University. In 2009 – 2010 she worked at the Office of Government of the Slovak Republic as an advisor to the Deputy Prime Minister of the Slovak Republic for Knowledge Society, European Affairs, Human Rights and Minorities and also as a director at the Office of Plenipotentiary of the Slovak Government for Roma Communities. From 2010 she has been a director of the Slovak Research and Development Agency from 2010. She has been a member of various expert panels, working groups, governing boards and committees on national and EU levels.

Slovenia

**Franci Demšar**

Slovenian Research Agency (ARRS)

Franci Demšar is the first director of the Slovenian Research Agency (ARRS). He holds a Ph.D. in Physics from the University of Ljubljana, Slovenia, and spent extended periods of time as a researcher at the University of Illinois at Urbana Champaign and the University of California at San Francisco, USA. In 1990/91 he was President of the Biophysical Society of Yugoslavia, from 1992 to 1996 President of the Biophysical Society of Slovenia. Since November 2002 he is a member of International Engineering Academy. From 1997 to 1999 he served as State Secretary at the Ministry for Science and Technology, and from 1999 to 2000 as Minister for Defence of the Republic of Slovenia. From 2001 to 2004 he was Ambassador of the Republic of Slovenia to the Russian Federation, Republic Belarus, Kazakhstan, Republic of Kyrgyzstan, Tajikistan, and Turkmenistan.

South Africa

**Albert S. van Jaarsveld**

National Research Foundation (NRF)

Albert S. van Jaarsveld is Chief Executive Officer of the National Research Foundation. His distinguished career in research, teaching and leadership include academic and management positions at the Universities of Pretoria and Stellenbosch, as dean of science, adjunct professor: Environmental Studies Programme at Dartmouth College, USA, Vice President and more recently, CEO of the National Research Founda-

tion. He obtained his Ph.D. in Zoology from the University of Pretoria, pursued post-doctoral studies and research in Conservation Biology and Global security in Australia and the UK and has published in excess of 100 primary papers, including highly cited works in Science and Nature. He is a member of several professional and academic organizations and associations, including being a Fellow of the Royal Society of South Africa and an elected member of the South African Academy of Sciences. On the international front, Albert van Jaarsveld has served as co-chair of the Millennium Ecosystem Assessment follow-up: Sub-global assessments; is a member of the IUCN nominations committee, and has served as chair of the G8 science ministers Group of Senior Officials on Global Research Infrastructure.

Sweden

**Mille Millnert**

Swedish Research Council

Mille Millnert is Director General for the Swedish Research Council since February 2011. Before that he was the President of Linköping University (2003 – 2011) and the Dean of the Engineering Faculty at Linköping University between 1996 and 2003. Millnert is professor in Control Engineering and has also served on the board of both companies and innovation organizations, e.g., Linköping and Norrköping Science Parks. Professor Millnert is a member of the Royal Swedish Academy of Engineering Sciences.

Switzerland

**Daniel Höchli**

Swiss National Science Foundation (SNSF)

Daniel Höchli studied governance and public policy at the University of St. Gallen with international relations as his special field. Subsequently, he worked for seven years at the Institute of Political Science in St. Gallen. The main focus of his research lay on the history of political thinking. In 1996, Daniel Höchli started working for the Swiss Federal Administration as a scientific collaborator at the General Secretariat of the Federal Department of Justice and Police. In 2001, he became chief of staff at the Federal Office of Police. Since August 2005, Daniel Höchli has been the Director of the Administrative Offices of the Swiss National Science Foundation (SNSF). He represents the SNSF in bodies such as the European Science Foundation and has presided over the Finance and Audit Committee of this organisation since the beginning of 2012.

Thailand



Vudhipong Techadamrongsin
Thailand Research Fund (TRF)

Vudhipong Techadamrongsin is Vice President of the Thailand Research Fund, one of the largest research granting agencies in Thailand. He has been working in this position since 1993. Prior to this, he taught computer science and mathematics at Prince of Songkla University. His other responsibilities at Prince of Songkla University included being the director of the computer science department and deputy dean of the faculty of science. His other experiences included being the developer of many computer software projects at the university as well as being the external assessor for the Office of National Education Standards and Quality Assessment. Vudhipong Techadamrongsin received a BS with high honor in mathematics from Michigan Technological University, MSE in computer, information and control engineering from the University of Michigan and an MS in computer science from the University of Southern California.

Ukraine



Bogdan R. Kyyak
State Fund for Fundamental Research of Ukraine (SFFR)

Bogdan R. Kyyak graduated from the physics department of Chernivtsi State University in 1969 and from the Institute of Physics of Academy of Sciences in 1973, holding a degree in physics. Since 1992 he has served at the Ministry of Science and Technology. In 2003 he received a doctorate, and since 2005 has been the Director of the State Fund for Fundamental Research of Ukraine.

United Kingdom



Richard William Rylance
Research Council UK (RCUK) Executive Group

Rick Rylance is CEO of Arts and Humanities Research Council (AHRC) and Chair of the Research Council UK (RCUK) Executive Group. Before taking up the post of AHRC Chief Executive in September 2009, Rick was Head of the School of Arts, Languages and Literatures at the University of Exeter. Prior to that he was Dean of Arts and Letters at the then Anglia Polytechnic University in Cambridge. His own research is in English. He was Chair of the English Sub-panel of the RAE 2008, a founder member of the English Subject Centre's Advisory Board, a past Chair of the Council of College and University English (CCUE), and is currently a member of the Higher Education Committee of the English Association. He was elected a Fellow of the Royal Society of Arts (FRSA) in 1998 and a Founding Fellow of the English Association in 1999. His main research interests are in nineteenth and twentieth-century literature and the intellectual and literary history of those periods. He has a particular interest in the history of psychology and the psychology of the reading process.

United States of America



Cora B. Marrett
National Science Foundation (NSF)

Cora B. Marrett is Acting Director of the National Science Foundation. Since January 2009, she served as NSF's Acting Director, Acting Deputy Director, and Senior Advisor, until her confirmation as Deputy Director in May 2011. Before January 2009, Marrett was Assistant Director for Education and Human Resources (EHR). In EHR, she led NSF's mission to achieve excellence in U.S. science, technology, engineering and mathematics (STEM) education at all levels, in both formal and informal settings. From 1992 to 1996, she served as the first Assistant Director for the Social, Behavioral, and Economic Sciences (SBE) directorate. Marrett earned NSF's Distinguished Service Award for her groundbreaking leadership of the new directorate. From 2001 to 2007, Marrett was the University of Wisconsin System's senior vice president for Academic Affairs. She also served concurrently as professor of Sociology at the University of Wisconsin-Madison. Before joining the University of Wisconsin, she was the Senior Vice Chancellor for Academic Affairs and Provost at the University of Massachusetts-Amherst. Marrett holds a Bachelor of Arts from Virginia Union University, a Master of Arts and a doctorate from the University of Wisconsin-Madison, all in Sociology. She received an honorary doctorate from Wake Forest University in 1996, and was elected a fellow of the American Academy of Arts and Sciences in 1998 and the American Association for the Advancement of Science in 1996.

Vietnam



Dung Do Tien
National Foundation for Science and Technology Development (NAFOSTED)

Dung Do Tien holds a Ph.D. in computer science from Nanyang Technological University. From 2007 to 2011 he served as Company Project Manager at Toshiba software development, became Vice Director of Nafosted in 2011, and since 2011 has also been Director of Nafosted.

Zimbabwe



Susan Muzite
Research Council of Zimbabwe (RCZ)

Susan Muzite is the Executive Director of the Research Council of Zimbabwe (RCZ). She holds an MSc degree in Health Administration and Research from Hull University. Before joining the RCZ she worked in several government departments as a civil servant. The RCZ hosts a web based National Research Database on an Open Access platform.

International Organizations



Paul Boyle
Science Europe

Paul Boyle took up the post of ESRC Chief Executive and RCUK International Champion in September 2010. In October 2011 he became President of Science Europe which is based in Brussels and is an association of the 50 major European Research Funding Organisations (RFO) and Research Performing Organisations (RPO). Before joining the ESRC Professor Boyle was Head of the School of Geography and Geosciences at the University of St Andrews. His research focused on population and health geography and he was Director of the ESRC funded Longitudinal Studies Centre – Scotland, Co-Director of the ESRC funded Centre for Population Change, and Co-Investigator on both the Wellcome Trust-funded Scottish Health Informatics Programme and the ESRC-funded Administrative Data Liaison Service. Prior to moving to St Andrews in 1999 he was at the University of Leeds.



Romain Murenzi
TWAS, the World Academy of Sciences

Romain Murenzi became TWAS Executive Director in April 2010. He previously served as Minister of Science, Technology and Scientific Research in Rwanda and as a director of the Center for Science, Technology and Sustainability at the American Association for the Advancement of Science, Washington, DC; he was also visiting professor at the University of Maryland. He has a Ph.D. in physics from the Catholic University, Louvain, Belgium, and was chair and professor in the department of physics at Clark Atlanta University, USA. He was also designer of the two-dimensional continuous wavelet transform. In 2012 he was elected as fellow of the African Academy of Sciences (AAS).

Global Research Council
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Representatives of Partner Organizations, Distinguished Guests & Observers

American Association for the Advancement of Science (AAAS)



Alan L. Leshner
Chief Executive Officer

Alan L. Leshner is the Chief Executive Officer of the American Association for the Advancement of Science (AAAS) and Executive Publisher of the journal *Science*. Before this position, Dr. Leshner was Director of the National Institute on Drug Abuse at the National Institutes of Health. He also served as Deputy Director and Acting Director of the National Institute of Mental Health, and in several roles at the National Science Foundation. Before joining the government, Dr. Leshner was Professor of Psychology at Bucknell University. Dr. Leshner is an elected fellow of AAAS, the American Academy of Arts and Sciences, the National Academy of Public Administration, and many other professional societies. He is a member and served on the governing Council of the Institute of Medicine of the National Academies of Science. He was appointed by President Bush to the National Science Board in 2004, and then reappointed by President Obama in 2011. Dr. Leshner received Ph.D. and M.S. degrees in physiological psychology from Rutgers University and an A.B. in psychology from Franklin and Marshall College. He has been awarded six honorary Doctor of Science degrees.

Carnegie Mellon University



Subra Suresh
President-Elect

Subra Suresh has been selected as the ninth President of Carnegie Mellon University effective July 2013. He was nominated by President Barack Obama and unanimously confirmed by the U.S. Senate as the Director of the National Science Foundation (NSF). He served as director of NSF from 2010 to 2013. Previously, Suresh was dean of the School of Engineer-

ing at the Massachusetts Institute of Technology (MIT), where he has been the Vannevar Bush Professor. Suresh has been elected to ten different science/engineering academies in the U.S., Sweden, Germany, Spain and India including the U.S. National Academies of Sciences and Engineering. He has been selected for eight honorary degrees from universities in the U.S., Sweden, Switzerland, Spain, and India. At NSF, he established a number of new initiatives including INSPIRE, the NSF Career-Life Balance Initiative, Partnerships for Enhanced Engagements in Research, the NSF Science Across Virtual Institutes (SAVI) Program, Graduate Research Opportunities Worldwide (GROW), and the NSF Innovation Corps. Under Suresh's leadership, NSF hosted the Global Summit on Scientific Merit Review in May 2012 that included the participation, for the first time, of the heads of major science-funding agencies from nearly 50 countries. Summit participants collectively launched the Global Research Council (GRC).

TU Dortmund University



Matthias Kleiner
Head, Institute of Forming Technology and Lightweight Construction (IUL)

Matthias Kleiner completed his “habilitation” in the field of forming technology in 1991. Three years later, in 1994, he joined the faculty of the newly founded Brandenburg Technical University of Cottbus as Professor of Forming Technology in the Chair in Design and Manufacturing. Professor Kleiner was awarded the most prestigious prize in German research, the DFG's Gottfried Wilhelm Leibniz Prize in 1997. He responded to the call to the TU Dortmund University in 1998, where he held the Chair of Forming Technology. From 2004 to 2006, he served as managing director of the newly established Institute of Forming Technology and Lightweight Construction (IUL). He has played an instrumental role in a number of international and interdisciplinary research projects and research networks and acts as a member of numerous international professional committees and academies. In 2011, he co-chaired the German “Ethics Commission for a Safe Energy Supply”. Professor Kleiner was elected President of the German Research Foundation (DFG) in 2007. His six year-term of office as President of the DFG ended on December 31, 2012. Since January 2013, he is back at TU Dortmund University as head of the Institute of Forming Technology and Lightweight Construction (IUL). On 23 April 2013, he was nominated to become the next President of the Leibniz Association.

European Science Foundation (ESF)



Pär Gösta Omling
President

Pär Omling is presently Advisor to the Vice-Chancellor of Lund University, President of the European Science Foundation and Vice-President of Science Europe. He has been deeply involved in national and international research policy for the last 20 years and has e.g. acted as adviser to several governments and research organisations, been President of EUROHORCs, and served as the Head of the Swedish Research Council for 10 years. As Professor at Lund University his main research interests were semiconductor physics, mesoscopic physics and nanoscience.

Omling is member of two Swedish and one European Academies. 1995 he was awarded the Gustafsson-prize in physics by the Royal Swedish Academy.

European University Association (EUA)



Maria Helena Nazaré
President

Maria Helena Nazaré was trained as a physicist, obtaining the Master degree in 1972 from the University of Lisbon (MSc) and the Doctor of Philosophy in 1978 from King's College University in London. In 1988 she obtained her habilitation at the University of Aveiro and has lead the research group in Spectroscopy of Semiconductors in the Physics department at the University of Aveiro. She has been head of department, Vice President of Scientific Council, Vice Rector of the University of Aveiro from 2000 to 2010, chair of the Portuguese Rectors' Conference Committee for Research and Knowledge-Transfer. She has participated in the evaluation of universities in Spain, Turkey, Palestine, Slovenia, Kazakhstan and Romania. Currently she is a member of the Portuguese National Education Council and chair of its Higher Education Commission, member of the Administration Board of Portugal Telecom, President of the Advisory Board of Fundação Galp Energia, president of the Portuguese Physics Society and President of the European University Association.

“Foundation Lindau Nobelprizewinners Meetings at Lake Constance”



Wolfgang Schürer
Chairman

Born in Coburg (Germany), **Wolfgang Schürer** pursued his studies at the University of Business Administration, Economics, Law and Social Sciences, in St. Gallen, where he obtained his M.B.A. in 1970. In 1969, he set up the International Students' Committee (ISC) which annually organizes the International Management Symposia at the University of St. Gallen. Under his leadership, the Symposia have evolved into a forum of international reputation. In 1973, Mr. Schuerer founded his own consulting company, MS Management Service AG, of which he serves as Chairman. Currently, he also participates on the Advisory Boards of several corporations, academic institution and foundations, among them his chairmanship of the “Foundation Lindau Nobelprizewinners Meetings at Lake Constance”. From 2001 to 2009, he served as a distinguished professor in the practice of International Business Diplomacy, at Georgetown University, School of Foreign Service, Washington D.C. The University of St. Gallen awarded him an Honorary Doctorate in 1999 and from 2005 to 2010 he served as a permanent visiting Professor for Public Affairs.

German Rectors' Conference (Hochschulrektorenkonferenz, HRK)



Horst Hippler
President

Horst Hippler has been President of the Hochschulrektorenkonferenz (German Rectors' Conference, HRK) since May 2012. Hippler studied physics at the University of Göttingen and received his doctorate at the École Polytechnique Fédérale de Lausanne (EPFL), Switzerland. He continued his work at the IBM Research Laboratory in San Jose, USA, and the University of Goettingen, where he received his "Habilitation" degree in physical chemistry in 1988. In 1993 Hippler became professor of physical chemistry at the University of Karlsruhe, now Karlsruhe Institute of technology (KIT). From November 2002 to September 2009, he was Rector of the University of Karlsruhe; from October 2009 until September 2012 President of KIT. From 2006 to 2009 Hippler headed the Association of the leading Technical Universities in Germany (TU9). From 2010 to 2012, he was President of the Rectors' Conference of the Universities of the State of Baden-Württemberg.

German Research Foundation (DFG)



Konrad Samwer
Vice-President

Konrad Samwer is full professor of physics at the University of Göttingen and Vice-President of the German Research Foundation (DFG). He studied physics at the Universities of Göttingen and Bonn, spent time as a postdoc at Caltech, and previously held a position as Professor of Physics and Dean of the Faculty of Mathematics and Natural Sciences at the University of Augsburg. Konrad Samer has served on numerous selection and steering committees. He was awarded the prestigious Leibniz Prize in 2004 and is a member of the "Akademie der Wissenschaften zu Göttingen" and the "Nationale Akademie der Wissenschaften Leopoldina".

Helmholtz Association (Helmholtz-Gemeinschaft Deutscher Forschungszentren e.V)



Jürgen Mlynek
President

Jürgen Mlynek studied physics at the TU Hannover and the École Polytechnique in Paris. He gained his doctorate at the University of Hannover (Dr. rer. nat.) in 1979 and his habilitation in 1984. After a period at the IBM Research Laboratory in the United States, Mlynek moved to the ETH Zurich as an assistant professor. In 1990 he went to the University of Konstanz, where he became a full professor in experimental physics. After 10 years researching and teaching in the field of experimental quantum optics, atomic physics and surface physics, Mlynek felt drawn to the field of research management: he served as Vice-President of the German Research Foundation (DFG) from 1996 to 2001. In September 2000 he became President of the Humboldt University Berlin, which he developed into

one of Germany's leading universities. Mlynek has received numerous science and research prizes, including the Gottfried-Wilhelm-Leibniz Prize awarded by the German Research Foundation (1992). In 2010 Prof. Mlynek was awarded the Officer's Cross of the Order of Merit of the Federal Republic of Germany.

Human Frontier Science Program Organization (HFSP)



Ernst-Ludwig Winnacker
Secretary General

Ernst-Ludwig Winnacker is Secretary General of the Human Frontier Science Program Organization (HFSP). He studied chemistry at the Swiss Federal Institute of Technology (ETH Zurich) where he obtained his Ph.D. in 1968. After postdoctoral work at the University of California in Berkeley and the Karolinska Institute in Stockholm from 1968 to 1972, he became assistant and then DFG Visiting Professor at the Institute for Genetics, University of Cologne. In 1977 he was appointed Associate Professor at the Institute of Biochemistry at the Ludwig Maximilians University of Munich where he was made full professor in 1980. From 1984 to 1997, he was Director of the Laboratory of Molecular Biology at the University of Munich Gene Center. He served as President of the German Research Foundation (DFG) from 1998 to 2006. From 2003 to 2004 he also chaired the European Heads of Research Councils (EUROHORCs). He served as Secretary General of the European Research Council (ERC) from 2007 to 2009. Winnacker is a member of the US National Academies of Sciences, Institute of Medicine and of the German Academy of Sciences Leopoldina. His main fields of research are virus/cell interaction, the mechanisms of gene expression in higher cells and prion diseases.

International Association of Universities (IAU)



Eva Egron-Polak
Secretary General

Eva Egron-Polak was educated in the Czech Republic, Canada and France. She studied French Literature, Political Science and International Political Economy. During nearly 20 years at the Association of Universities and Colleges of Canada (AUCC) she has held several senior positions including Vice President, International, prior to becoming the Secretary General of IAU in 2002. At IAU, an independent, global association of universities and associations of higher education institutions based at UNESCO in Paris, Eva Egron-Polak is involved in various policy issues in higher education – internationalization, provision of equitable access to and success in higher education, the contribution of higher education to sustainable development, to the Millennium Development Goals, among others. Eva Egron-Polak is a member of many committees at UNESCO, the European Commission, OECD, etc. She serves as a Member of Council at Mykolas Romeris University in Lithuania, and is a member of international advisory bodies in the Netherlands, Ireland and Romania.

Leibniz Association (Leibniz-Gemeinschaft, WGL)



Karl Ulrich Mayer
President

Karl Ulrich Mayer received a B.A. and M. A. in Sociology from Gonzaga University, Spokane, Washington, USA and Fordham University, New York, USA, a doctoral degree from the University of Constance, Germany, and his “habilitation” from the University of Mannheim. From 1979 he was Director of the National Survey Research Center/ ZUMA in Mannheim and from 1983 until 2005 Director at the Max-Planck-Institute for Human Development, Berlin. He is the Founding Editor of the European Sociological Review. From 1993-99 Karl Ulrich Mayer was a member of the Science Council (Wissenschaftsrat), and from 1996-99 he was chairman of its Academic Council. In 2003 he accepted a professorship of Sociology at Yale University, USA, where he became the Founding Director of the Center for Research on Social Inequalities and the Life Course (CIQLE), and chaired the Department of Sociology from 2005-2010. Since 2010 Karl Ulrich Mayer is the President of the Leibniz Association. Among else he is a Fellow of the British Academy of Sciences, the Academia Europaea, the American Academy of Arts and Sciences and the American Association for the Advancement of Science.

Nature / Nature Publishing Group



Philip Campbell
Editor-in-Chief

Philip Campbell is Editor-in-Chief of Nature and of the Nature Publishing Group. His areas of responsibility include the editorial content and management of Nature, and assuring the long-term quality of all Nature publications. He is based in London. He has a BSc in aeronautical engineering, an MSc in astrophysics and a PhD and postdoctoral research in upper atmospheric physics. Following his research, he became the Physical Sciences Editor of Nature and then, in 1988, the founding editor of Physics World, the international magazine of the UK Institute of Physics. He returned to Nature to take on his current role in 1995. Philip Campbell has worked with the UK government, the European Commission and the US National Institutes of Health on issues relating to science and its impacts in society. For ten years until 2012 he was a trustee of Cancer Research UK. He is a founding trustee of the research funding charity ‘MQ: transforming mental health’. He is an elected Fellow of the Royal Astronomical Society and a Fellow of the Institute of Physics, has honorary degrees from several universities, and was awarded an Honorary Professorship by the Peking Union Medical College. He is a Life Member of Clare Hall, Cambridge University.

Science and Technology in Society Forum (STS)



Koji Omi
Founder and Chairman

After graduation from Hitotsubashi University (Commerce), **Koji Omi** joined the Ministry of International Trade and Industry (MITI) in 1956. On assignment abroad with MITI, he served as Consul at the Japanese Consulate General in New York. Returning to Japan, he successively served as Director of the South Asia & Eastern Europe Division, Trade Policy Bureau; as Director of the Small Enterprise Policy Division, Small & Medium Enterprise Agency (S & MEA); as Director of the Administrative Division, the Science and Technology Agency; and as Director-General of the Guidance Department, S & MEA. In 1982, Koji Omi resigned from MITI to run in the House of Representatives (lower house) election. First elected in 1983, he is now serving his eighth term. As a member of the House of Representatives, he has occupied the posts of Parliamentary Vice-minister for Finance; Director-General of the Commerce & Industry Policy Bureau, LDP; Director-General of the Science & Technology Policy Bureau, LDP; Chairman of the Standing Committee on Finance; Director-General of the Election Bureau, LDP; and Acting Secretary-General, LDP. Until August 2009 is served as Member of the House of Representatives, previously serving as Minister of Finance (Sept. 2006 – Aug. 2007), three times as Cabinet Member, Minister of State for Science and Technology Policy, and for Okinawa and Northern Territories Affairs (2001-2002), and Minister of State for Economic Planning (1997-1998). Koji Omi founded the Science and Technology in Society (STS) forum with the aim of building a worldwide network among scientists, policymakers and business people. The STS forum has been successfully held annually in Kyoto, Japan since 2004, to discuss the “lights and shadows” of science and technology for the sake of humankind.

Global Research Council
Berlin 27 – 29 May 2013

The Global Research Council



The Global Research Council (GRC) is a voluntary, informal organization of heads of research councils (HORCs) from around the world, pledged to find mutually acceptable paths to greater international research collaboration. Its goal is to represent most of the world's research potential by getting all interested key players in research and research funding involved. The worldwide growth of support for research has presented an opportunity for countries large and small to work in concert across national borders. Cooperation and collaboration can enhance the quality of science, avoid unnecessary duplication, provide economies of scale, and address issues that can only be solved by working together. Heads of research funding agencies have a responsibility to meet these objectives on behalf of the research community.

To ensure a globally consultative process and to improve communication and cooperation among research funding agencies, the GRC annually holds a set of regional meetings as well as an annual global meeting to gather input from the different world regions, address issues of mutual concern to research and research funding worldwide, and to agree on guidelines and principles by which multinational research collaboration can be enhanced. Thereby, the GRC shall also provide assistance to those research institutions and funding organizations wishing to build a world-class research landscape.

The purposes of the Global Research Council are:

- To improve communication and cooperation among funding agencies;
- To promote the sharing of data and best practices for high-quality research cooperation;
- To provide a forum for regular meetings of the Heads of Research Councils;
- To respond to opportunities and to address issues of common concern in the support of research and education;
- To be a resource for those institutions wishing to build a world-class research landscape;
- To explore mechanisms that support the global science enterprise and the worldwide research community; and
- To remain focused and reach decisions based on scientific merit.

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Vice-Chair (until 2/2013)
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TWAS, the Academy of Sciences for the Developing World

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Kiyoshi Saito

Deputy Director, International Program Department
Japan Society for the Promotion of Science (JSPS)

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The German Research Foundation



The Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) is the central self-governing organisation responsible for promoting research in Germany. According to its statutes, the DFG serves all branches of science and the humanities. The DFG supports and coordinates research projects in all scientific disciplines, in particular in the areas of basic and applied research. Particular attention is paid to promoting young researchers. Researchers who work at a university or research institution in Germany are eligible to apply for DFG funding. Proposals will be peer reviewed. The final assessment will be carried out by review boards, the members of which are elected by researchers in Germany in their individual subject areas every four years.

The DFG distinguishes between the following programmes for research funding: In the *Individual Grants Programme*, any researcher can apply for financial assistance for an individual research project. *Priority Programmes* allow researchers from various research institutions and laboratories to cooperate within the framework of a set topic or project for a defined period of time, each working at his/her respective research institution. A *Research Unit* is a longer-term collaboration between several researchers who generally work together on a research topic at a single location. In *Central Research Facilities* there is a particular concentration of personnel and equipment that is required to provide scientific and technical services.

Collaborative Research Centres are long-term university research centres in which scientists and academics pursue ambitious joint interdisciplinary research undertakings. They are generally established for a period of twelve years. In addition to the classic Collaborative Research Centres, which are concentrated at one location and open to all subject areas, the DFG also offers several programme variations. *CRC/Transregios* allow various locations to cooperate on one topical focus. *Cultural Studies Research Centres* are designed to support the transition in the humanities to an integrated cultural studies paradigm. *Transfer Units* serve to transfer the findings of basic research produced by Collaborative Research Centres into the realm of practical application by promoting cooperation between research institutes and users.

DFG Research Centres are an important strategic funding instrument. They concentrate scientific research competence in particularly innovative fields and create temporary, internationally visible research priorities at research universities.

Research Training Groups are university training programmes established for a specific time period to support young researchers by actively involving them in research work. This focusses on a coherent, topically defined, research and study programme. Research Training Groups are designed to promote the early independence of doctoral students and intensify international exchange. They are open to international participants. In *International Research Training Groups*, a jointly structured doctoral programme is offered by German and foreign universities. Other funding opportunities for qualified young researchers are offered by the *Heisenberg Programme* and the *Emmy Noether Programme*. In so called *Reinhart Koselleck Projects*, the DFG supports especially innovative research undertakings by outstanding scientists and academics.

The *Excellence Initiative* aims to promote top-level research and improve the quality of German universities and research institutions in the long term. Funding is provided for graduate schools, clusters of excellence and institutional strategies.

The DFG also funds and initiates measures to promote scientific libraries, equips computer centres with computing hardware, provides instrumentation for research purposes and conducts peer reviews on proposals for scientific instrumentation. On an international level, the DFG has assumed the role of Scientific Representative to international organisations, coordinates and funds the German contribution towards large-scale international research programmes, and supports international scientific relations.

Another important role of the DFG is to provide policy advice to parliaments and public authorities on scientific issues. A large number of expert commissions and committees provide the scientific background for the passing of new legislation, primarily in the areas of environmental protection and health care.

The legal status of the DFG is that of an association under private law. Its member organisations include research universities, major non-university research institutions, such as the Max Planck Society, the Fraunhofer Society and the Leibniz Association, the Academies of Sciences and Humanities and a number of scientific associations. In order to meet its responsibilities, the DFG receives funding from the German federal government and the federal states, as well as an annual contribution from the Donors' Association for the Promotion of Sciences and Humanities in Germany.

Deutsche Forschungsgemeinschaft (DFG)

Kennedyallee 40
53175 Bonn, Germany
Tel. +49 228 885-1
Fax +49 228 885-2777
postmaster@dfg.de
www.dfg.de

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The National Council for Scientific and Technological Development



The Conselho Nacional de Desenvolvimento Científico e Tecnológico (National Council for Scientific and Technological Development, CNPq) is an agency linked to the Ministry of Science and Technology (MCT), dedicated to the promotion of scientific and technological research and to the formation of human resources for research in the country. Its history is directly linked to the scientific and technological development of Brazil.

The functional structure of CNPq comprehends an Executive Board of Directors, responsible for the management of the institution, and a Deliberative Council, responsible for the institution's policies. In addition to the participation in these bodies, the Brazilian scientific and technological community also takes part in the management of policies by means of the Thematic and Advising Committees. In order to select, monitor and evaluate the research projects financed by the Institution, CNPq counts on the support of several teams which form a Technical and Scientific Advisory Council. These groups of consultants have specific assignments, according to their specialized fields and to each member's term of office.

**Conselho Nacional de Desenvolvimento
Científico e Tecnológico (CNPq)**
SEPN 507, Bloco B, Ed. Sede CNPq
CEP 70.740-901 Brasília-DF
Brazil
www.cnpq.br

Global Research Council
Berlin 27 – 29 May 2013

List of Participants

1. Research Council Representatives

Argentina

Tezón, Jorge

Executive Director for Scientific and
Technological Development
Consejo Nacional de Investigaciones
Científicas Y Técnicas (CONICET)
Av. Rivadavia 1917
C1033AAJ Buenos Aires
Republica Argentina
gdct@conicet.gov.ar

Australia

Byrne, Aidan

Chief Executive Officer
Australian Research Council (ARC)
GPO Box 2702
Canberra ACT 2601
Australia
aidan.byrne@arc.gov.au

Austria

Kratky, Christoph

President
Austrian Science Fund (FWF)
Haus der Forschung
Sensengasse 1
1090 Wien, Austria
christoph.kratky@fwf.ac.at

Bärenreuter, Christoph

Programme Manager
Austrian Science Fund (FWF)
Haus der Forschung
Sensengasse 1

1090 Wien, Austria

christoph.baerenreuter@fwf.ac.at

Belgium

Monard, Elisabeth

Secretary General
Fonds Wetenschappelijk Onderzoek –
Vlaanderen
Research Foundation Flanders (FWO)
Egmontstraat 5
1000 Brussels, Belgium
elisabeth.monard@fwo.be

Halloin, Véronique

Secretary General
The Research Council of the
French-speaking Community of
Belgium (F.R.S.-FNRS)
Rue d'Egmont 5
1000 Brussels, Belgium
veronique.halloin@frs-fnrs.be

Brazil

Oliva, Glaucius

President
Conselho Nacional de Desenvolvimento
Científico e Tecnológico (CNPq)
SEPN - Quadra 507, Bl. „B“, Ed.
CNPq, 3° andar
Brasília, DF 70740901
Brazil
glaucius@cnpq.br

Beirão, Paulo Sérgio

Director of Agrarian Biological and Health Sciences
Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq)
SEPN - Quadra 507, Bl. „B“, Ed. CNPq, 3° andar
Brasília, DF 70740901
Brazil
beirao@cnpq.br

Varela, José Arana

Chief Executive Officer
Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP)
R. Pio XI, 1500, Alto da Lapa
CEP 05468-901 "São Paulo/SP
Brazil
gabdp@fapesp.br

Cameroon**Fouda Ndjodo, Marcel**

Inspector in charge of research, ICT and strategic planning
National Research Council of Cameroon
Ministry of Higher Education
Yaounde
Cameroon
marcel.fouda@yahoo.fr

Canada**Blain, Isabelle**

Vice President
Natural Sciences and Engineering (NSERC)
350 Albert Street
ON K1A 1H5 Ottawa, Ontario
Canada
isabelle.blain@nserc-crsng.gc.ca

Grosvenor, Andrew

International Policy Advisor
Natural Sciences and Engineering (NSERC)
350 Albert Street
ON K1A 1H5 Ottawa, Ontario
Canada
andrew.grosvenor@nserc-crsng.gc.ca

Chile**Aguilera Radic, José Miguel**

President
Comisión Nacional de Investigación Científica y Tecnológica (CONICYT)
Canadá 308
Providencia, Santiago de Chile
Chile
cpalominos@conicyt.cl

China**Bai Chunli**

President
Chinese Academy of Sciences (CAS)
52 Sanlihe Road
100864 Beijing
People's Republic of China
zywang@cashq.ac.cn

Tan Tieniu

Vice Secretary General
Chinese Academy of Sciences (CAS)
52 Sanlihe Road
100864 Beijing
People's Republic of China
tntan@cashq.ac.cn

Cao Jinghua

Deputy Director General
Chinese Academy of Sciences (CAS)
Bureau of International Cooperation
52 Sanlihe Road
100864 Beijing
People's Republic of China
jh-cao@cashq.ac.cn

Zhang Xiaolin

Director
Chinese Academy of Sciences (CAS)
National Science Library
52 Sanlihe Road
100864 Beijing
People's Republic of China
zhangxl@mail.las.ac.cn

Liu Congqiang

Vice President
National Natural Science Foundation of China (NSFC)
83 Shuangqing Lu
Haidian District

100085 Beijing
People's Republic of China
liucq@nsfc.gov.cn

Chen Yue

Deputy Director General of Office of Discipline Inspection, Auditing and Supervision
National Natural Science Foundation of China (NSFC)
83 Shuangqing Lu
Haidian District
100085 Beijing
People's Republic of China
chenyue@nsfc.gov.cn

Croatia**Barać Lauc, Lovorka**

Executive Director
Croatian Science Foundation (HRZZ)
Ilica 24
HR - 10000 Zagreb
Croatia
lblauc@hrzz.hr

Czech Republic**Matějů, Petr**

President
Czech Science Foundation (GACR)
Hadovka Office Park
Evropska 2589/33b
160 00 Prague 6
Czech Republic
predseda@gacr.cz

Denmark**Christiansen, Peter Munk**

Chair
Danish Agency for Science, Technology and Innovation (DASTI)
Bredgade 40
1260 Copenhagen
Denmark
pmc@ps.au.dk

Fredholm, Merete

Professor
University of Copenhagen
Faculty of Health and Medical Sciences

Blegdamsvej 3
2200 Copenhagen N
Denmark
mf@sund.ku.dk

Egypt**Al-Sherbiny, Maged Moustafa**

President
Academy of Scientific Research and Technology (ASRT)
101 Kasr El-Aini St
Cairo
Arab Republic of Egypt
maged123@link.net

Sakr, Mahmoud M.

Executive Director
Science and Technology Development Fund (STDF)
101, Kasr El Aini St., 7th floor
Cairo
Arab Republic of Egypt
mahmoud.sakr@stdf.org.eg

Europe / European Union**Smits, Robert-Jan**

Director General
European Commission
DG-Research SDME 2/2
1049 Brussels
Belgium
robert-jan.smits@ec.europa.eu

Laroche, Gilles

Head of Unit
European Commission
DG Research & Innovation-Unit "Ethics & Gender"
1049 Brussels
Belgium
gilles.laroche@ec.europa.eu

Nowotny, Helga

President
Scientific Council European Commission (ERC)
ERC Executive Agency COV2
1049 Brussels
Belgium
helga.nowotny@wwtf.at

Papazoglou, Theodore
Head of Unit UNIT A1
Scientific Council European
Commission (ERC)
Office: COVE2 24/165
1049 Brussels
Belgium
theodore.papazoglou@ec.europa.eu

France

Freyssinet, Philippe
Deputy Director General
Agence Nationale de la Recherche
(ANR)
212, rue de Bercy
75012 Paris, France
freyssinet@agencerecherche.fr

Vodjdani, Nakita
Head of European and International
Agence Nationale de la Recherche
(ANR)
212, rue de Bercy
75012 Paris, France
nakita.vodjdani@agencerecherche.fr

Fuchs, Alain
President
Centre national de la recherche
scientifique (CNRS)
3, rue Michel-Ange
75794 Paris cedex 16, France
alain.fuchs@cnsr-dir.fr

Germany

Strohschneider, Peter
President
Deutsche Forschungsgemeinschaft
(DFG)
Kennedyallee 40
53175 Bonn, Germany
peter.strohschneider@dfg.de

Samwer, Konrad
Vice President
Deutsche Forschungsgemeinschaft
(DFG)
Kennedyallee 40
53175 Bonn, Germany
ksamwer@gwdg.de

Schneider, Jörg
Head of Division International Affairs
Deutsche Forschungsgemeinschaft
(DFG)
Kennedyallee 40
53175 Bonn, Germany
joerg.schneider@dfg.de

Jäckle, Herbert
Vice President
Max Planck Society (MPG)
Hofgartenstraße 8
80539 München, Germany
hjaeckle@gwdg.de

Botz, Georg W.
Senior Policy Advisor Open Access
Max Planck Society (MPG)
Hofgartenstraße 8
80539 München, Germany
georg.botz@gv.mpg.de

Hungary

Kollár, László P.
President
The Hungarian Scientific Research
Fund (OTKA)
PO Box 289
1476 Budapest 100
Hungary
lkollar@eik.bme.hu

Balla Balogh, Andrea
Director
The Hungarian Scientific Research
Fund (OTKA)
PO Box 289
1476 Budapest 100
Hungary
balla.andrea@otka.hu

Iceland

Jónasson, Hallgrímur
Director General
Icelandic Centre for Research
(RANNIS)
Laugavegur 13
101 Reykjavík
Iceland
hallgrimur.jonasson@rannis.is

India

Ramasami, Thirumalachari
Secretary to the Government of India
Department of Science and Technology
Technology Bhawan
New Mehrauli Road,
New Delhi – 110 016
India
dstsec@nic.in

Brakaspathy, Ramasamy
Advisor/Scientist G
Department of Science and Technology
New Mehrauli Road
New Delhi – 110 016
India
rbpathy@nic.in

Indonesia

Hakim, Lukman
Chairman
Indonesian Institute of Sciences (LIPI)
Ged. LIPI Widya Graha Lt. 8
Jl. Jend Gatot Subroto No. 10
12710 Jakarta-Selatan
Indonesia
lukman.hakim@lipi.go.id

Tjahjono, Bogie Soedjatmiko Eko
Director
Bureau for Cooperation and
Promotion of Sciences (LIPI)
Indonesian Institute of Sciences
Ged. LIPI Widya Graha Lt. 8
Jl. Jend Gatot Subroto No. 10
12710 Jakarta-Selatan
Indonesia
bogi002@lipi.go.id

Ireland

Ferguson, Mark
Director General
Science Foundation Ireland (SFI)
Wilton Park House, Wilton Place
Dublin 2
Ireland
mark.ferguson@sfi.ie

Israel

Gutfreund, Hanoch
Chairman of the Executive Committee
Israel Science Foundation (IFS)
Albert Einstein Square
43 Jabotinsky St.
POB 4040
Jerusalem 91040
Israel
mshanoch@mscc.huji.ac.il

Italy

Nicolais, Luigi
President
National Research Council (CNR)
Piazzale Aldo Moro 7
00185 Rome
Italy
presidenza@cnr.it

Pardo, Matteo
Scientific Attaché
Italian Embassy Berlin
Hiroshimastraße 1
10785 Berlin
Germany
matteo.pardo@esteri.it

Japan

Anzai, Yuichiro
President
Japan Society for the Promotion of
Science (JSPS)
5-3-1 Kojimachi, Chiyoda-ku
Tokyo 102-0083,
Japan
bottom-up@jpsps.go.jp

Saito, Kiyoshi
Deputy Director
Japan Society for the Promotion
of Science (JSPS)
International Program Department
5-3-1 Kojimachi, Chiyoda-ku
Tokyo 102-0083
Japan
bottom-up@jpsps.go.jp

Nakamura, Michiharu

President
Japan Science and Technology
Agency (JST)
Science Plaza Building
5-3 Yonbancho, Chiyoda-ku
Tokyo 102-8666
Japan
k2taguchi@jst.go.jp

Asano, Kana

Chief
Japan Science and Technology Agen-
cy (JST) Department of International
Affairs
Science Plaza Building
5-3 Yonbancho, Chiyoda-ku
Tokyo 102-8666
Japan
k2asano@jst.go.jp

Kenya**Abdulrazak, Shaukat Ali**

Chief Executive Officer
National Council for Science and
Technology (NCST)
8th - 9th Floor, Utalii House
off Uhuru Highway, Nairobi
P. O. Box 30623
00100 Nairobi, Kenya
secretary@ncst.go.ke

Okoth, Willis

Science Secretary
National Council for Science and
Technology (NCST)
8th - 9th Floor, Utalii House
off Uhuru Highway, Nairobi
P. O. Box 30623
00100 Nairobi, Kenya
willokoth@gmail.com

Korea**Lee, Seung Jong**

President
National Research Foundation of Korea
(NRF)
201 Gajeong-Ro
Yuseong-Giu
Daejeon 305-754
Republic of Korea
sjlee@nrf.re.kr

Cho, Soon-Ro

Director
National Research Foundation
of Korea (NRF)
201 Gajeong-Ro
Yuseong-Giu
Daejeon 305-754
Republic of Korea
srcho@nrf.re.kr

Luxembourg**Schiltz, Marc**

Secretary General
Executive Head of the FNR
Fonds Nationale de la Recherche
Luxembourg (FNR)
6, rue Antoine de Saint-Exupéry
B. P. 1777
1017 Luxembourg
marc.schiltz@fnr.lu

Martins de Brito, Olga

Programme Manager
Fonds Nationale de la Recherche
Luxembourg (FNR)
6, rue Antoine de Saint-Exupéry
B. P. 1777
1017 Luxembourg
olga.debrito@fnr.lu

Malaysia**Yusoff, Che Khalid**

Professor of Medicine
National Science and Research Council
Main Block, Perdana Putra Building
Federal Government Administrative
Centre
62502 Putrajaya
Malaysia
k.yusoff@salam.uitm.edu.my

Mexico**Cabrero Mendoza, Enrique**

Director General
Consejo Nacional de Ciencia y
Tecnología (CONACYT)
Av. Insurgentes Sur 1582, 7to Piso
Colonia Credito Constructor
C.P. 03940 Mexico D.F.
Mexico
ecabrero@conacyt.mx

Netherlands**Engelen, Josef Johannes**

President
The Netherlands Organisation for
Scientific Research (NWO)
P/O Box 93138
2509 AC The Hague
Netherlands
j.engelen@nwo.nl

New Zealand**Williams, Prue**

General Manager, Science Investments
Ministry of Business, Innovation and
Employment
Level 2, 33 Bowen Street
PO Box 5488, Wellington 6011
New Zealand
prue.williams@mbie.govt.nz

McCallum, Bruce

Counsellor (Science and Innovation)
Ministry of Business, Innovation and
Employment
Level 2, 33 Bowen Street
PO Box 5488, Wellington 6011
New Zealand
bruce.mccallum@mbie.govt.nz

Norway**Hallén, Arvid**

Director General
The Research Council of Norway (RCN)
P.O. Box 2700
St. Hanshaugen
0131 Oslo
Norway
ahl@rcn.no

Poland**Zylicz, Maciej**

President
Fundacja na rzecz Nauki Polskiej (FNP)
ul. Grażyny 11
02-548 Warsaw, Poland
maciej.zylicz@fnp.org.pl

Pietras, Michal

Director – Programme Division
Fundacja na rzecz Nauki Polskiej
(FNP)
ul. Grażyny 11
02-548 Warsaw, Poland
michal.pietras@fnp.org.pl

Jajszczyk, Andrzej Bogdan

Director
National Science Centre
ul. Królewska 57
30-081 Kraków, Poland
andrzej.jajszczyk@ncn.gov.pl

Portugal**Seabra, Miguel Pedro Pires Cardo-
so de**

President
Fundacao para a Ciência e a
Tecnologia (FCT)
Av. D. Carlos I, 126
1249-074 Lisboa, Portugal
presidencia@fct.pt

Rwanda**Gatare, Ignace**

Director General
National Science and Technology
Commission (NSTC)
Office of the Prime Minister
P.O. Box 1334
Kigali, Rwanda
igatare@presidency.gov.rw

Russia**Panchenko, Vladislav**

Chairman
Russian Foundation for Basic
Research (RFBR)
32A, Leninskij prospect
B-334, GSP-1
119991 Moscow, Russia
vpanch@rfbr.ru

Sharov, Alexander

Director of the RFBR International
Department
Russian Foundation for Basic
Research (RFBR)

32A, Leninskij prospect
B-334, GSP-1
119991 Moscow, Russia
a.sharov@rfbr.ru

Saudi Arabia

Alswailem, Abdulaziz M.
Vice President
King Abdulaziz City for Science and
Technology (KACST)
P.O Box 6086
11442 Riyadh
Kingdom of Saudi Arabia
alswailem@kacst.edu.sa

Almutairi, Ibrahim M.
Director
Office of Vice President for Science
and Technology (KACST)
P.O Box 6086
11442 Riyadh
Kingdom of Saudi Arabia
imutairy@kacst.edu.sa

Singapore

Low, Teck Seng
Chief Executive Officer
National Research Foundation (NRF)
1 Create Way
Create (University Town)
138602 Singapore
low_teck_seng@nrf.gov.sg

Tan, Karen Li Ping
Deputy Director (Physical Sciences and
Engineering)
National Research Foundation (NRF)
1 Create Way
Create (University Town)
138602 Singapore
karen_tan@nrf.gov.sg

Slovak Republic

Šuchová, Lýdia
Director
Slovak Research and Development
Agency
Mýtina 23
P.O. BOX 839 04
83904 Bratislava 32, Slovakia
lydia.suchova@apvv.sk

Slovenia

Demšar, Franci
Director
The Slovenian Research Agency
(ARRS)
Bleiweisova cesta 30
1000 Ljubljana
Slovenia
direktor-sekretariat@arrs.si

South Africa

van Jaarsveld, Albert S.
Chief Executive Officer
National Research Foundation (NRF)
Box 2600
0001 Pretoria
South Africa
albert@nrf.ac.za

Sweden

Millnert, Mille
Director General
Swedish Research Council (SRC)
Box 1035
101 38 Stockholm, Sweden
mille.millnert@vr.se

Björck, Jonas
Director
Swedish Research Council (SRC)
Department of Research Funding
Box 1035
101 38 Stockholm, Sweden
jonas.bjorck@vr.se

Switzerland

Höchli, Daniel
Director
Swiss National Science Foundation
(SNSF)
Wildhainweg 3
P.O. Box 8232
3001 Berne
Switzerland
gs@snf.ch

Barras, Jean-Luc
Head of Division
Swiss National Science Foundation
(SNSF)
International Cooperation
Wildhainweg 3
P.O. Box 8232
3001 Berne
Switzerland
jean-luc.barras@snf.ch

Thailand

Techadamrongsin, Vudhipong
Vice President
Thailand Research Fund
979/17-21, 14th Floor, SM Tower
Phaholyotin Rd.
Phayathai 10400 Bangkok
Thailand
woody@trf.or.th

Ukraine

Kyyak, Bogdan R.
Director
The Fundamental Researches State
Fund of Ukraine (SFFR)
16, Taras Shevchenko Avenue
01601 Kiev
Ukraine
brkyyak@dffd.gov.ua

United Kingdom

Rylance, Richard William
Chief Executive
Arts and Humanities Research Council
(AHRC)
Polaris House
North Star Avenue
SN2 1FL Swindon
United Kingdom
v.bending@ahrc.ac.uk

Laurie, Sophie
Head of International
Research Councils UK Strategy Unit
Polaris House
North Star Avenue
SN2 1FL Swindon
United Kingdom
sophie.laurie@rcuk.ac.uk

United States of America (USA)

Marrett, Cora
Acting-Director
National Science Foundation (NSF)
4201 Wilson Blvd
Arlington, Virginia 22230
USA
cmarrett@nsf.gov

Harrison, Graham
National Science Foundation (NSF)
4201 Wilson Blvd
Arlington, Virginia 22230
USA
gharriso@nsf.gov

Vietnam

Dung, Do Tien
Director
National Foundation for Science and
Technology Development (NAFOSTED)
38 Ngo Quyen
Hoan Kiem dist.
Hanoi
Vietnam
dungdt@most.gov.vn

Zimbabwe

Muzite, Susan
Executive Director
Research Council Zimbabwe (RCZ)
Cabinet Office
Block A, Delken Complex
Mt Pleasant Business Park
P.O. Box CY294, Causeway Harare
Zimbabwe
secretary@rcz.ac.zw

2. International Organizations

African Union

Ouedraogo, Mahama

Head of Science & Technology
Directorate of Human Resources Science and Technology
African Union Commission
Addis Ababa
Ethiopia
ouedraogom@africa-union.org

Science Europe

Boyle, Paul Joseph

President
Science Europe
c/o FWO
5, Rue d'Egmont/Egmontstraat
1000 Brussels
Belgium
paul.boyle@esrc.ac.uk

Crowfoot, Amanda

Director
Science Europe
c/o FWO
5, Rue d'Egmont/Egmontstraat
1000 Brussels
Belgium
amanda.crowfoot@scienceeurope.org

TWAS, the World Academy of Sciences

Murenzi, Romain

Executive Director
The World Academy of Sciences (TWAS)
International Centre for Theoretical Physics (ICTP)
Enrico Fermi Building, Room 1008
Via Beirut 6
34151 Trieste
Italy
rmurenzi@twas.org

McGrath, Peter

Programme Officer
The World Academy of Sciences (TWAS)
International Centre for Theoretical Physics (ICTP)
ICTP Adriatico Guesthouse, 7th floor
Via Beirut 6
34151 Trieste
Italy
mcgrath@twas.org

3. Representatives of Partner Organizations, Distinguished Guests & Observers

American Association for the Advancement of Science (AAAS)

Leshner, Alan

Chief Executive Officer
American Association for the Advancement of Science (AAAS)
1200 New York Avenue NW
Washington, DC 20005
USA
aleshner@aaas.org

Carnegie Mellon University

Suresh, Subra

President Elect
Carnegie Mellon University

5000 Forbes Ave
Pittsburgh, PA 15213
USA
suresh@cmu.edu

TU Dortmund University

Kleiner, Matthias

Head of the Institute of Forming Technology and Lightweight Construction (IUL)
Technische Universität Dortmund
Institut für Umformtechnik und Leichtbau
44227 Dortmund
Germany
matthias.kleiner@udo.edu

European Science Foundation (ESF)

Omling, Pär Gösta

President
European Science Foundation (ESF)
1, quai Lezay Marnésia
BP 90015
F-67080 Strasbourg Cedex
France
par.omling@rektor.lu.se

European University Association (EUA)

Nazaré, Maria Helena

President
European University Association (EUA)
Avenue de l'Yser, 24
1040 Brussels
Belgium
mhnazare@ua.pt

Foundation Lindau Nobelprizewinners Meetings

Schürer, Wolfgang

Vorsitzender / Chairman
Stiftung Lindauer Nobelpreisträger-treffen
Dufourstrasse 118
9000 St. Gallen
Switzerland
wschuerer@msag.ch

German Rectors' Conference (HRK)

Hippler, Horst

President
Hochschulrektorenkonferenz (HRK)
Ahrstraße 39
53175 Bonn
Germany
praesident@hrk.de

Helmholtz Association

Mlynek, Jürgen

President
Helmholtz Gemeinschaft Geschäftsstelle Berlin
Anna-Louisa-Karsch-Straße 2
10178 Berlin
Germany
praesident@helmholtz.de

Human Frontier Science Program (HFSP)

Winnacker, Ernst-Ludwig

Secretary General
Human Frontier Science Program (HFSP)
12 Quai St. Jean
67000 Strasbourg
France
elwinnacker@hfsp.com

InterAcademy Council (IAC)

Indira Nath

National Institute of Pathology (ICMR)
Safdarjung Hospital Campus
New Delhi 110029
India
indiranath@gmail.com

International Association of Universities (IAU)

Egron-Polak, Eva

Secretary General
International Association of Universities (IAU)
UNESCO House
1, rue Miollis
75732 Paris Cedex 15
France
e.egronpolak@iau-aiu.net

Leibniz Association

Mayer, Karl Ulrich

President
Leibniz-Gemeinschaft (WGL)
Chausseestraße 111
10115 Berlin
Germany
mayer@leibniz-gemeinschaft.de

Nature / Nature Publishing Group

Campbell, Philip

Editor-in-Chief
Nature Publishing Group
The Macmillan Building
4 Crinan Street
London, N1 9XW, United Kingdom
Email: p.campbell@nature.com

Science and Technology in Society Forum (STS)

Omi, Koji
Chairman
STS forum
Sanno Grand Building 419
2-14-2 Nagatcho Chiyoda-ku
Tokyo 100-0014, Japan
chairman@stsforum.org

Serizawa, Yu
Secretary General
STS forum
Sanno Grand Building 419
2-14-2 Nagatcho Chiyoda-ku
Tokyo 100-0014, Japan
sec@stsforum.org

4. Conference Dinner: Political Guests

Wanka, Johanna
Federal Minister of Education and Research
Hannoversche Straße 28-30
10115 Berlin
johanna.wanka@bmbf.bund.de

Hübinger, Anette
MdB (CDU)
Deutscher Bundestag
Platz der Republik 1
11011 Berlin
anette.huebinger@bundestag.de

World Economic Forum

Mohan, Akshay
Programme Manager | Science and Technology
Global Leadership Fellow
World Economic Forum
Programme Development Team
91-93 route de la Capite
1223 Cologny/Geneva
Switzerland
akshay.mohan@weforum.org

Stapelfeldt, Dorothee
Senator for Science and Research
Hamburger Straße 37
22083 Hamburg
dorothee.stapelfeldt@bwf.hamburg.de

Neumann, Martin
MdB (FDP)
Deutscher Bundestag
Platz der Republik 1
11011 Berlin
martin.neumann@bundestag.de

5. DFG Head Office

Deutsche Forschungsgemeinschaft (DFG)
Kennedyallee 40
53175 Bonn

Bondre-Beil, Priya
Director Section Europe
Division International Affairs
priya.bondre-beil@dfg.de

Finetti, Marco
Director Press and Public Relations
marco.finetti@dfg.de

Fournier, Johannes
Director, Scientific Library Services
and Information Systems
johannes.fournier@dfg.de

Gruhlich, Rainer
Programme Officer
Section North America (Canada, USA)
Global Research Council (GRC)
Division International Affairs
rainer.gruhlich@dfg.de

Höbener, Alida
Section Latin America (Bonn Office)
Division International Affairs
alida.hoebener@dfg.de

Hüttemann, Kirsten
In-House Counsel
Human Resources and Legal Affairs
kirsten.huettemann@dfg.de

Köhler, Mechthild
Programme Assistant
DFG Berlin Office
mechthild.koehler@dfg.de

Lipp, Anne
Head of Division Scientific Library Services
and Information Systems
anne.lipp@dfg.de

Lossau, Cornelia
Press and Public Relations Officer
Press and Public Relations
(Berlin Office)
cornelia.lossau@dfg.de

Mühlberg, Christoph
Director Section Africa, Middle East,
Australia, New Zealand
Division International Affairs
christoph.muehlberg@dfg.de

Radermacher, Annette
Programme Assistant
Section Southern Europe, Turkey,
KoWi
Division International Affairs
annette.radermacher@dfg.de

Schaich, Christian
Director Section Central and Eastern
Europe, Central Asia
Division International Affairs
christian.schaich@dfg.de

Schneider, Katja
Programme Assistant
Section North America (Canada, USA)
Division International Affairs
schneider.katja@dfg.de

Wabschke, Andrea
Programme Assistant
Section Central and Eastern Europe,
South East Asia
Division International Affairs
wabschke.andrea@dfg.de

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Deutsche Forschungsgemeinschaft e.V.
German Research Foundation (DFG)
Kennedyallee 40
53175 Bonn, Germany
Tel.: +49 (0)228/885-1
Fax: +49 (0)228/885-2777
postmaster@dfg.de
<http://www.dfg.de/en>

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Deutsche Forschungsgemeinschaft e.V.

German Research Foundation (DFG)

Kennedyallee 40

53175 Bonn, Germany

Tel.: +49 (0)228/885-1

Fax: +49 (0)228/885-2777

postmaster@dfg.de

<http://www.dfg.de/en>