Under the High Patronage of Mr Emmanuel MACRON President of the French Republic

High-Level Summit & International Scientific Symposium

on

Fundamental Life Science Meets Climate, Environment and Sustainability

new bridges · new partnerships · new opportunities

in contribution to

the United Nations International Year of Basic Science for Sustainable Development

27-29 June 2023 | Paris

Académie des Sciences Auditorium André & Liliane Bettencourt



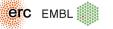














Programme

All times correspond to Central European Summer Time (CEST - day light savings time)

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Tuesday, 27 June 2023

13.15-14.00 *Opening and Welcome Remarks*

President Emmanuel Macron, France (tbc)
Xavier Darcos, Chancelier de l'Institut de France (tbc)
Alain Fischer, President, Academy of Sciences, France, and on behalf of convening partners
Hirofumi Nakasone, Former Minister of Education, Culture, Sports, Science and Technology,
Japan (and son of former Prime Minister Nakasone who proposed the creation of the Human
Frontier Science Program Organization (HFSPO) to G7 leaders in 1987)
Yosei Ide, State Minister of Education, Culture, Sports, Science and Technology, Japan
Fusae Ota, State Minister of Economy, Trade and Industry, Japan
Xing Qu, Deputy Director-General, UNESCO

Shigekazu Nagata, President, International Human Frontier Science Program Organization (HFSPO) and Summit Co-Host

Luc Allemand, Secretary-General of the International Year of Basic Sciences for Sustainable Development (IYBSSD), and on behalf of convening partners Sylvie Retailleau, Minister of Higher Education and Research, France and Summit Co-Host

Chaired and moderated by Pavel Kabat, Secretary-General, HFSPO

14.00 – 14.45 *Setting the Scene*

Presentations and discussions by representatives of the major groups convening at the Summit

Robbert Dijkgraaf, Minister of Education, Culture and Science, the Netherlands **Marcia McNutt**, President, National Academy of Sciences, USA

Jules Hoffmann, University of Strasbourg, France, Nobel Laureate Nobel Prize 2011 (Physiology and Medicine)

Nebojsa Nakicenovic, Deputy Chair, Group of Chief Scientific Advisors, European Commission

Chaired and moderated by: **Mona Neme**r, Chief Science Advisor to the Government of Canada









14.45-15.30 Strategic and science policy implications of employing basic science to support transformation to sustainability

Ministerial and Heads of (Inter) Governmental Agencies Panel Anna-Maria Bernini, Minister of University and Research, Italy (tbc) Blade Nzimande, Minister of Higher Education, Science and Technology, South Africa Thomas Dermine, State Secretary for Economic Recovery and Strategic Investments, with responsibility for Science Policy, Belgium (tbc) Stephen Lucas, Deputy Minister of Health, Canada Signe Ratso, Deputy Director-General, DG Research and Innovation, European Commission Tara Schwetz, Acting Principal Deputy Director, National Institutes of Health, USA Gad Ariely, Director General, Ministry of Innovation, Science and Technology, Israel Claire Giry, Director-General of the Ministry for Higher Education and Research, France Ottoline Leyser, Chief Executive, UK Research and Innovation Alejandro Adem, President of NSERC, Canada and Chair of the Global Research Council Other Ministers in attendance (H.E. Yosei Ide, H.E. Fusae Ota, H.E. Sylvie Retailleau and **H.E. Robbert Dijkgraaf**) deliver their remarks in the previous sessions. Chaired and moderated by: Abraham Domb, Chief Scientist, Ministry of Innovation, Science and Technology, Israel

15.30-15.50 In conversation with:

Ukrainian scientists and their hosts supported by the HFSPO Scientists for Scientists Initiative Brief statement by Vadim Omelchenko, Ambassador of Ukraine to France Signe Ratso, Deputy Director-General, DG Research and Innovation, European Commission with:

Anastasiia Maljuk, National Museum of Natural History at the National Academy of Sciences of Ukraine, Kyiv hosted by Mehran Moazen, University College London, UK Solomiya Lebid, Lviv Polytechnic National University hosted by German Sumbre, Institut de Biologie, Ecole Normale Supérieure, Paris, France

15.50 -16.30 Break

16.30 – 17.30 *Science Highlights:*

Tandem talks to illustrate the opportunities to connect science communities for the advancement of the sustainable development agenda

Climate Change and Health

Andy Haines, London School of Hygiene and Tropical Medicine, UK Arnaud Fontanet, Institut Pasteur, Paris, France

Chaired and moderated by: **Sir Stewart Cole,** President, Institut Pasteur, France, and **Glenda Gray**, President and CEO, South African Medical Research Council

Ocean Biodiversity and Resources at Risk

Chris Bowler, CNRS and Ecole Normale Supérieure, Paris, France and Stazione Zoologica Anton Dohrn, Naples, Italy

Martin Visbeck, GEOMAR, Helmholtz Centre for Ocean Research, Kiel, Germany Chaired and moderated by: **Troels Petersen**, Programme Manager – Research Fellowships and International, Royal Society Te Apārangi, New Zealand and **Simona Berardi Vilei**, Operations – Projects, Swiss National Science Foundation

Food Security in a Changing World

Gabriela Schlau-Cohen, Massachussetts Institute of Technology, USA





4



Jean-Francois Soussana, French National Institute for Agriculture, Environment and Food (INRAE)

Chaired and moderated by **Peter Langridge**, Fellow, Australian Academy of Sciences and **Beverley Glover**, University of Cambridge, UK and Chair of the HFSPO Council of Scientists

Individuals, Institutions, and Societal Transformations

Tomomi Shimogori, Riken Center for Brain Science, Japan **Ulf Dieckmann**, Okinawa Institute of Science and Technology, Japan and International Institute for Applied Systems Analysis, Austria

Chaired and moderated by **Ted Hewitt**, Chair, Canada Research Coordinating Committee and **Marina Picciotto**, Yale School of Medicine, USA

17.30-18.45 How to respond to this Call ?

17.30-18.00 Discussion panel of Heads of International Science Policy Funding and Coordination Organizations

> Pascale Bracconot, Vice Chair of the Joint Scientific Committee, World Climate Research Programme
> Lidia Brito, Assistant Director General for Natural Sciences (designate), UNESCO
> Thierry Damerval, Science Europe Governing Board and President-Director, Agence National de la Recherche, France
> Anne Ephrussi, Director EICAT, European Molecular Biology Laboratory
> Ted Hewitt, Chair, Canada Research Coordinating Committee
> Maria Leptin, President, European Research Council
> Valerie Masson-Delmotte, Co-Chair, Intergovernmental Panel on Climate Change
> Chaired and moderated by: Sir Peter Gluckman, President, International Science Council

18.00-18.45 *Round Table of Funding Agency Presidents*

Kian Teik Beh, Chief Executive, National Research Foundation, Singapore Paula Eerola, President, Academy of Finland Anne Kelso, Chief Executive Officer, National Health and Medical Research Council, Australia

Hasan Mandal, President, Tübitak, Turkey

Yoshinao Mishima, President, Japan Agency for Medical Research and Development Fulufhelo Nelwamondo, Chief Executive Officer, National Research Foundation / Matlagolo Mosa Moshabela, Chairperson of the Board, National Research Foundation, South Africa Antoine Petit, Chairman and Chief Executive Officer, Centre national de la recherche scientifique, France

Mahmoud Sakr, President, Academy of Scientific Research and Technology, Egypt Michael Strong, President, Canadian Institutes of Health Research

Mari Sundli Tveit, Chief Executive, Research Council of Norway

Melanie Welham, Chief Executive, Biotechnology and Biological Science Research Council, UK

Chaired and moderated by: Lidia Borrell-Damian, Secretary-General, Science Europe and Theresa Good, Division of Molecular and Cellular Bioscience, National Science Foundation, USA and Vice President of HFSPO

18.45 -19.00 The Way Ahead

Sylvie Retailleau, Minister of Higher Education and Research, France Shigekazu Nagata, President, HFSPO Pavel Kabat, Secretary-General, HFSPO







Programme

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Wednesday, 28 June 2023

09.00 – 09.20	<i>Opening and welcome:</i> messages from the high-level Summit Sylvie Retailleau, Minister of Higher Education and Research, France
	Shigekazu Nagata, President, International Human Frontier Science Program Organization (HFSPO)
	Alain Fischer, President, Académie des Sciences, Institut de France
	Luc Allemand, Secretary General, International Year of Basic Sciences for Sustainable
	Development (IYBSSD) and on behalf of convening parties
09.20 – 09.40	Science, education and innovation systems in transition: opening keynote address
	Robbert Dijkgraaf, Minister of Education, Culture and Science, Netherlands and former
	Director, the Institute for Advance Study, Princeton University, USA
	Chaired and moderated by: Jacques Demotes-Mainard, Science Advisor, Biology and Health
	Research, Ministry of Higher Education and Research, France and Vice President of HFSPO
09.40-10.15	21 st Century, the 'Age of Biology'
	Challenges and opportunities for sustainability, in conversation with:
	Marcia McNutt, President, National Academy of Sciences, USA, representing Academy Presidents
	Nebojsa Nakicenovic , Deputy Chair, Group of Chief Science Advisors, European Commission
	Mona Nemer, Chief Science Advisor to the Government of Canada
	Amy Rowat, University of California, Los Angeles, USA
	Chaired and moderated by: Pavel Kabat, Secretary-General, HFSPO

10.15 – 10.30 Set-up Break

10.30 – 11.00 Art meets Science

'Breath' by Gloria Benedikt, Marietta Kro, Nandita Shankardass, and Robert Weithas Introduced by: **Pavel Kabat**, Secretary-General, HFSPO

11.00 – 11.30 Break

Human Frontier

Science Program

HFSP



Theme 1: Climate Change and Health

Chaired and moderated by: **Stewart Cole,** President, Institut Pasteur, France, and **Glenda Gray**, President and CEO, South African Medical Research Council

- 11.30 12.00 Keynote: *Climate change and health-strengthening the research evidence for action*. **Andy Haines**, University College London, United Kingdom
- 12.00 12.15 Mobilizing Co-production Approach to Identify Cross-Sectoral Priorities and Needs for Preparedness against Extreme Weather Events. Zahid Memon, Aga Khan University, Karatschi, Pakistan
- 12.15 12.30 A heat acclimation-induced neuronal pacemaker mechanism that drives heat tolerance and resilience to hot environments. Jan Siemens, Heidelberg University, Institute of Pharmacology, Germany
- 12.30 13.00 Keynote: *How may life sciences help mitigating pandemic risk in a changing world*. Arnaud Fontanet, Institut Pasteur, Paris, France
- 13.00 13.15 *Mitochondria: powering the cell for life and death*. **Mike Ryan**, Monash University, Biomedicine Discovery Institute, Clayton, Australia
- 13.15 13.30 Nature's remedy: Harnessing the power of Canadian phytobiotics for healthy and sustainable livestock production. Sophie Kerneis, Lethbridge College, Canada
- 13.30 14.00 Building Bridges: open discussion
 Chaired and moderated by: Stewart Cole, President, Institut Pasteur, France and Glenda
 Gray, President and CEO, South African Medical Research Council
- 14.00 15.00 Lunch break and poster viewing

Theme 2: Ocean Biodiversity and Resources at Risk

Chaired and moderated by: **Troels Petersen**, Programme Manager – Research Fellowships and International, Royal Society Te Apārangi, New Zealand and **Simona Berardi Vilei**, Operations – Projects, Swiss National Science Foundation

- 15.00 15.30 Keynote: *The climate-biodiversity nexus in the ocean*. **Chris Bowler**, CNRS and Ecole Normale Supérieure Paris, France and Stazione Zoologica Anton Dohrn, Naples, Italy
- 15.30 15.45 Connecting Molecular Mechanisms to Global Carbon Cycling: Investigating the Role of Inter-Bacterial Killing on the Biological Carbon Pump. Astrid Stubbusch, Swiss Federal Institute of Aquatic Science and Technology, and ETH Zurich, Switzerland
- 15.45 16.00 Tracking anthropogenic pollution in mangroves of South Asia- robust biomonitoring for sustainable ecological management using 'omics' based approach. **Punyasloke Bhadury**, Indian Institute of Science Education and Research, Kolkata, India







- 16.00 16.30 Keynote: Digital Twins of the Ocean Opportunities to Future Proof Sustainable Development. Martin Visbeck, GEOMAR, Helmholtz Centre for Ocean Research, Kiel, Germany
- 16.30 16.45 *Biological rhythms in the deep sea.* Audrey Mat, Vienna Biocenter, University of Vienna, Austria
- 16.45 17.00 Unraveling the microscale mechanisms driving particle degradation in the ocean. Uria
 Alcolombri, Dept. of Civil, Environmental and Geomatic Engineering, ETH Zurich,
 Switzerland, and Dept. of Plant and Environmental Science, Hebrew University of Jerusalem,
 Israel
- 17.00 17.30 **Building Bridges:** open discussion Chaired and moderated by: **Thierry Damerva**l, President-Director, Agence nationale de la recherche, France
- 17.30 18.00 **Break**
- 18.00 18.30 Science meets Art

'The Rhythmic Roots of Cooperation" by Gloria Benedikt, Marietta Kro, Nandita Shankardass, Robert Weithas and Stephanie King, University of Bristol, UK, and Andrea Ravignani, Sapienza University of Rome, Italy Introduced by: **Pavel Kabat**, Secretary-General, HFSPO

Conference Dinner at Auditorium André et Liliane Bettencourt and opportunity for poster viewing

Thursday, 29 June 2023

Theme 3: Food Security in a Changing World

Chaired and moderated by: **Peter Langridge**, Fellow, Australian Academy of Sciences and **Beverley Glover**, University of Cambridge, UK, and Chair of HFSPO Council of Scientists

- 09.30 10.00 Keynote: *Why don't plants get sunburn?* Gabriela Schlau-Cohen, Massachusetts Institute of Technology, Cambridge, USA
- 10.00 10.15 *Plant heat stress, heatwaves, and food security: prediction and mitigation, from molecular genetics to Earth system modelling.* **Peter Franks**, University of Sydney, Australia
- 10.15 10.30 Towards sustainable protein production: scalable processes for culturing meat using edible scaffolds with tuneable physical properties. **Amy Rowat**, University of California Los Angeles, USA
- 10.30 11.00 Keynote: *How to reach food system sustainability by 2050?* Jean-Francois Soussana, Vice President International Relations, French National Institute for Agriculture, Environment and Food (INRAE), Paris, France
- 11.00 11.15 Translational theoretical biology for balancing yield and sustainability in agriculture.
 Chaitanya S. Gokhale, Center for Computational and Theoretical Biology, University of Würzburg and Max Planck Institute for Theoretical Biology, Plön, Germany







- 11. 15 11.30 *Alternative Proteins in Israel.* **Abraham Domb**, Chief Scientist, Ministry of Innovation, Science and Technology, Israel
- 11.30 12.00 **Building Bridges:** open discussion Chaired and moderated by: **Peter Langridge**, Fellow, Australian Academy of Sciences, and **Beverley Glover**, University of Cambridge, UK, and Chair of HFSPO Council of Scientists
- 12.00 13.00 Lunch Break and Poster Viewing

Theme 4: Individuals, Institutions, and Societal Transformations

Chaired and moderated by: **Ted Hewitt**, Chair, Canada Research Coordinating Committee and **Marina Picciotto**, Yale School of Medicine, USA

- 13.00 13.30 Keynote: *Neurophysiological mechanisms of social interaction driven language development*. **Tomomi Shimogori**, RIKEN, Japan
- 13.30 13.45 *Communication and group coordination in animal societies*. Ariana Strandburg-Peshkin, Max Planck Institute for Animal Behaviour, Radolfzell, Germany
- 13.45 14.00 Social networks nodes as early signals for positive tipping points. Cynthia Juwita Ismail, Autonomous University of Barcelona, Spain
- 14.00 14.30 Keynote: A Systems Perspective on Human Behavior beyond Disciplinary Boundaries. Ulf
 Dieckmann, Okinawa Institute of Science and Technology (OIST), Japan and International
 Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria
- 14.30 14.45 Dances of the Cure-abbean: Cancer Disparities and People of African Ancestry. Juliet Daniel, McMaster University, Hamilton, Canada
- 14.45 15.00 Worth living urban life. Vitor M. D. Pereira, University of Lisbon, Portugal
- 15.00 15.30 **Building Bridges:** open discussion Chaired and moderated by: **Ted Hewitt**, Chair, Canada Research Coordinating Committee and **Marina Picciotto**, Yale School of Medicine, USA
- 15.30-16.00 Break
- 16.00 16.30 Harnessing the opportunity: identification of possible collaborative activities and projects: open discussion Chaired and moderated by: Pavel Kabat, Secretary-General, HFSPO
- 16.30 17.00 *Closing Remarks*







Art Meets Science

Art Meets Science - PART A

Breath – A Call for Cooperation

Directed by Gloria Benedikt Performed by Marietta Kro, Nandita Shankardass and Robert Weithas

Wednesday, 29 June at 10:30, running time 25 min

Connecting evolutionary biology and ecology to pressing societal issues, three artists explore how we got here, what we can do, and where we can go.

Art Meets Science - PART B

The Rhythmic Roots of Cooperation

Presented by Gloria Benedikt, Stephanie King and Andrea Ravignani Demonstrated by Marietta Kro, Nandita Shankardass and Robert Weithas

Wednesday, 29 June at 18:00, running time 30 min

Scientists and artists examine the phenomenon of collective, rhythmic movement from two perspectives: behavioural biology and choreography.





Poster Contributions

Abdel-Tawab H. Mossa

National Research Centre, Egypt Climate change mitigation: A new approach to develop eco-friendly green nano-insecticides for sustainable vector control

Abdirahman Red Sea University, Port Sudan The status of marine crab and its management strategies along the Sudanese Red Sea coast

Abraham (Avi) J. Domb Ministry of Innovation, Science and Technology, Israel Alternative Proteins in Israel

Adria LeBoeuf University of Fribourg, Switzerland Evolution of Inequalities: Lessons from Ant Societies for Sustainable Development

Aisha Waheed Qurashi Lahore Garrison University, Pakistan harnessing the potential of PGPR biofilm consortia for overcoming soil salinity and world food hunger

Albert Yeboah Obeng Foresight Generation Club, Ghana Impacts of Climate Change On Sustainable Food Production in Ghana

Albert Yeboah Obeng

Foresight Generation Club, Ghana The Negative Changing Weather Patterns And Its Impacts on Our Health In Sub Sahara Africa

Amy Rowat

UCLA, USA Towards sustainable protein production: scalable processes for culturing meat using edible scaffolds with tunable physical properties

Anastasiia Maliuk University College London, UK Osteoderms across the lizard body: comparative analysis and mechanical properties

Anna Gonzalez Manjon University of Sydney, Australia Enhancing Leadership in STEMM for Sustainable Solutions: Insights from the Homeward Bound Project

Arthur S. Edison

University of Georgia, Georgia Platform to study the physiology and chemistry of fast carbon cycling in the ocean







Arunkumar G

Department of Health Services, Government of Kerala, India Study of the effect of EMF especially non ionizing radiation (from mobile phone) on Antibiotic Sensitivity in Micro Organisms

Astrid Stubbusch

EAWAG (Swiss Federal Institute of Aquatic Science and Technology) & ETH Zurich, Switzerland Connecting Molecular Mechanisms to Global Carbon Cycling: Investigating the Role of Inter-Bacterial Killing on the Biological Carbon Pump

Bernd Schierwater

TiHo Hannover, Germany A quarter of a century cross section of the biodiversity of the world nature heritage Wadden Sea

Carmen Logie

University of Toronto, Canada Climate change, resource insecurity, and linkages with HIV vulnerabilities among urban refugee youth in Kampala, Uganda: conceptualizing climate-informed HIV prevention

Chaitanya Gokhale

Center for Computational and Theoretical Biology and Max Planck Institute for Evolutionary Biology, Germany Theoretical biology for sustainable agriculture

Chaitanya S. Gokhale

Center for Computational and Theoretical Biology and Max Planck Institute for Evolutionary Biology, Germany Translational theoretical biology for balancing yield and sustainability in agriculture

Chitaranjan Mahapatra

Paris Saclay Institute of Neuroscience, France Role of neuroscience research in solving the climate crisis

Cynthia Juwita Ismail

Autonomous University of Barcelona, Spain Social networks nodes as early signals for positive tipping points

Cynthia Moss

Johns Hopkins University, USA Studying the cognition of marine top predators to establish sustainable ecosystems

David Lea-Smith

University of East Anglia, England Improving nutrition and energy provision to rural communities in developing countries via an integrated anaerobic digester-photobioreactor

Pedro Ferrandiz

GENODICS, France Diffusions of sound frequencies designed to target dehydrins induce hydric stress tolerance in Pisum sativum seedings



Jacques Romain Njimou

University of Ngaoundere, Cameroon An overview of geopolymer cement in water treatment technology and combating climate change

Jan Siemens

Heidelberg University, Germany A heat acclimation-induced neuronal pacemaker mechanism that drives heat tolerance and resilience to hot environments

Jitin Rahul

SHARDA UNIVERSITY, INDIA Microplastics (MPs) and Its Impacts on Environment, Climate, Human Health and the Socio-Economy

Jitin Rahul

Sharda University, India Determination of the Status of Heavy Metals Accumulation in the Selected Road Side Plant Species

Kalagizi karhagomba

Institut Supérieur Pédagogique de Bukavu, Congo Enhancing the cultural identity of the Pygmy group through wild plant cultivation in the Hinterlands of the Kahuzi-Biega national park, Eastern Democratic Republic of Congo

Katja M. Arndt

University of Potsdam, Germany Strategies for the Enzymatic Inactivation of Antibiotics

Kerneis Sophie

Lethbridge College, Canada Nature's remedy: Harnessing the power of Canadian phytobiotics for healthy and sustainable livestock production.

Leonidas G. Ioannou

Jožef Stefan Institute, Slovenia Novel technological advances to protect people in thermally stressful conditions: a transition to more personalized guidelines

Loreto Oyarte Galvez

Vrije Universiteit Amsterdam / AMOLF, The Neetherlands Dynamics of network architecture and flows reveal a traveling-wave strategy for plant-mycorrhizal trade

Lucio Conti Università degli studi di Milano, Italy Defining how water deficit signals control flowering time dynamics

Lydia Tsoutsoubi Jožef Stefan Institute, Slovenia *Development of equation predicting stroke volume to assess cardiovascular strain*





Audrey Mat Vienna Biocenter, University of Vienna, Austria Biological rhythms in the deep sea

Marwa Halmy

Alexandria University, Egypt Impact of land use change on wetlands' ecological services: Implications for ecosystem valuation

Marwa Halmy Alexandria University, Egypt Streaming sustainability in educational programs focused on water-food-energy-nexus

Mohammed Mazen Hariri

BACT, United Arab Emirates Assessing improving attitudes and practices to reducing carbon emissions by educational and training tools of basic sciences

Narjis Fatima Hussain

Aga Khan University, Pakistan Mobilizing Co-production Approach to Identify Cross-Sectoral Priorities and Needs for Preparedness against Extreme Weather Events

Peter Franks

The University of Sydney, Australia Plant heat stress, heatwaves and food security: prediction and mitigation, from molecular genetics to Earth system modeling

Punyasloke Bhadury

Indian Institute of Science Education and Research Kolkata, India, and Plymouth Marine Laboratory, UK

Tracking anthropogenic pollution in mangroves of South Asia- robust biomonitoring for sustainable ecological management using 'omics' based approach

Richard Dorrell

Institut de Biologie de l'Ecole Normale Supérieure, France Phylogenomic, environmental and functional characterisation of the Arctic-specific algal pan-genome

Roberto Bassi

University of Verona, Italy Pale-green plants can mitigate global warming by enhancing atmospheric CO2 removal and crop field albedo

Roy M. Golsteyn

University of Lethbridge, Canada Investigation of the scientific and health potential of native plants from Canada: A global perspective

Shafeer Kalathil

University of Northumbria, UK Microbial solutions to tackle energy crisis and climate change







Sunil Dhungel Nepalese Army Institute of Health Sciences, Nepal Cerebral lobe functions of climbers following acquaintance to World's highest mountains

Tae Seok Moon

Engineering Biology Research Consortium, USA Synmade: Synthetic Microbiota across Diverse Ecosystems

Vitor Manuel Dinis Pereira

University of Lisbon, Portugal Worth living urban life

Xuanming Lou

National University of Singapore, Singapore Scalable precision engineering of plant proteins for fibrous chicken breast analogue

Zhijun YI

Chinese Academy of Sciences, China Building an Integrated Network for Implementing Global IYBSSD project in CAS

Zhou Hanzhang

Agency for Science, Technology and Research (A*STAR) of Singapore and National University of Singapore, Singapore Sensory profile from porcine myoblasts exhibits stronger porky aroma than fibroblasts and enhances consumer preference for hybrid cultivated meat product

Zipporah Simiyu Nafula

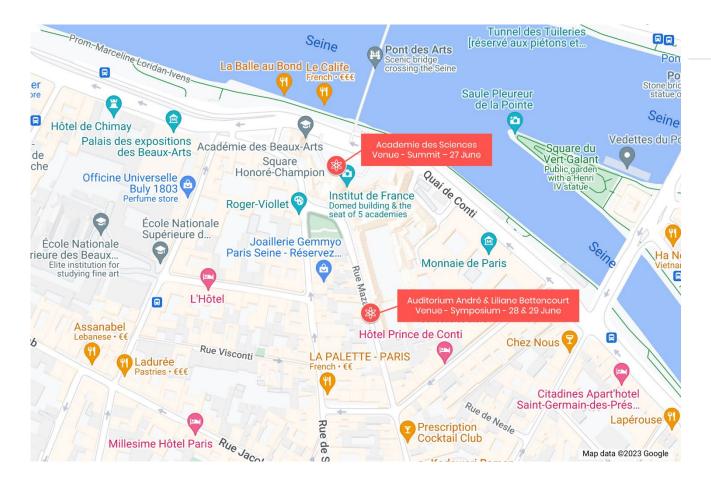
People's Friendship University of Russia, Russia Human adaptation to changing environmental conditions for food production and food safety: a review







Practical Information





Académie des Sciences 23 Quai de Conti, 75006 Paris, France

Académie des Auditorium Andre & Liliane Bettencourt 3 Rue Mazarine, 75006 Paris, France

Press Contacts:

For English: Rachael Bishop, rbishop@hfsp.org, +33 (0)7 81 87 62 21. For French: Hélène Boulanger, h.boulanger@logos-france.fr, +33 (0) 66 88 79 31 67.





Meeting Venue High-Level Summit – 27 June 2023:

Académie des Sciences, 23 Quai Conti, Paris

Meeting Venue International Symposium – 28-29 June 2023:

Auditorium Andre et Liliane Bettencourt, 3 rue Mazarine. This is a small side street around the corner from the Academy on 23 Quai Conti. The locals also know the venue as the "3 Mazarium." <u>There is no possibility</u> for general delegates to enter the Auditorium premises via the Académie des Sciences.

Access:

The easiest way to arrive at the venues is by taking public transport. (Coming from the Gare Montparnasse, the following lines are available: Bus 95: stop Jacob, Bus 96: stop Seine-Buci, Bus 58: stop Saint-André des Arts or Metro 4, Station Odéon). There is also ample space for drop off if you come by taxi or car service. There is no public parking available on the grounds of the Academie des Sciences and the Auditorium.

Security:

The venue will be under the protection of the French security forces and there will be a security check at the entry of the venues. Please carry your passport or another valid identity document with you. Bags and luggage may also be checked. Delegates are advised to arrive well in advance to avoid queueing. Dedicated personnel ensure the security throughout the proceedings. All delegates and staff must wear a Summit/Symposium-branded badge to access the event.

Registration Desk:

A team of HFSPO staff and our event partner MCI France will receive you at the entry of the Academy building on Quai Conti on the day of the High-Level Summit. The staff will advise you how to find your way around on the premises of the Académie.

For attending the International Symposium, a reception desk is available at the security check at the entrance of 3 Rue Mazarine. Participants who have not received their badge should collect it when arriving at the Auditorium. You should wear it throughout the day.

Registration desk opening hours:

27th of June: 12h00 28th of June: 07h45 29th of June: 08h30

Additional Information:

At the registration desk, but also throughout the venues, HFSPO staff will be happy to help with any query that you might have. Dedicated badges clearly indicate the HFSPO staff members.









Luggage Storage:

Delegates of the High-Level Summit are advised to leave their luggage in the hotel, as there is only a small cloak room at the Academy (luggage not allowed). For the International Symposium, there is a cloak room in the Auditorium Bettencourt that has limited capacity to store larger luggage items.

Lunch, Coffee Breaks and Refreshments:

During the High-Level Summit there will be a short coffee break and at the conclusion refreshments will be served as you leave the Grand Coupole. There is no official evening event.

During the Symposium, breaks are indicated in the program section. All registered delegates are invited to the official conference dinner at the end of the first day of the Symposium on Wednesday, 28 June. The dinner will take place on the premises of the Auditorium Bettencourt.

Internet connection:

Free WiFi service will be available, and network name and password will be provided during the meeting.











Steering Committee

Claire Giry, Director-General, Ministry of Higher Education, Research and Innovation of France (chair) Pavel Kabat, Secretary-General, Human Frontier Science Program Organization (HFSPO) Stewart Cole, President, Institut Pasteur Thierry Damerval, President, Director General, National Research Agency of France (ANR) Antoine Petit, President, Director General, Centre national de la recherche scientifique (CNRS) Anne-Isabelle Etienvre, Science Advisor to the Minister of Higher Education, Research and Innovation of France Alain Fischer, President, French Academy of Sciences Maria Leptin, President, European Research Council (ERC) Edith Heard, Director General, European Molecular Biology Laboratory (EMBL) Peter Gluckman, President, International Science Council (ISC) Alain Fischer, President elect, French Academy of Sciences Michel Spiro, Chair of International Year of Basic Sciences for Sustainable Development (IYBSSD) Shigekazu Nagata, University of Osaka, President, Human Frontier Science Program Organization Jacques Demotes, Ministry of Higher Education, Research and Innovation and ECRIN, France, Vice President, Human Frontier Science Program Organization Theresa Good, National Science Foundation, Vice President, Human Frontier Science Program Organization

Organising Committee

Guntram Bauer, HFSPO Cesar Manrique, Académie des Science Sandrine Megret, Académie des Science Mylène André, EMBL Jérome Guilbert, CNRS Luc Allemand, IYBSSD Salvatore Arico, ISC Fabrice Imperiali, ANR Christophe d'Enfert, Institut Pasteur Henri Pitron, Institut Pasteur Olaf Kelm, HFSPO Hirokazu Kumekawa, HFSPO Liliana Goncalves, HFSPO Rachael Bishop, HFSPO Jill Husser, HFSPO Severine Etchanchu, HFSPO Irene Kuge, HFSPO

Congress Organizers MCI France

Olivia Timperio Marine Bibes Bao Khanh Le









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High-Level Summit & International Scientific Symposium on

Fundamental Life Science Meets Climate, Environment and Sustainability

new bridges · new partnerships · new opportunities

in contribution to the United Nations International Year of Basic Science for Sustainable Development

27-29 June 2023 | Paris



Partners



Human Frontier Science Program







