

BioVision Alexandria 2018, 20–22 April 2018 Program*

Bibliotheca Alexandrina Conference Center (BACC)

Friday, 20 April 2018	
08:00–10:30	Registration (available every day of the conference)
10:30–11:30 Day 1	<p>Opening Session (Great Hall)</p> <ul style="list-style-type: none"> • Welcome Speech: Mostafa El Feki, Director, Bibliotheca Alexandrina (Egypt) • Mohamed Sultan, Governor of Alexandria (Egypt) – on behalf of Sherif Ismail, Prime Minister (Egypt) • TWAS Representative: Mohamed Hamdan, Senator in the Upper House of Jordan’s Parliament, TWAS Vice President for the Arab Region and Senior Advisor, Arab Open University (Jordan) • Mahmoud Sakr, President, Academy of Scientific Research and Technology – ASRT (Egypt) represented by Amr Farouk, Assistant to the President, Academy of Scientific Research and Technology – ASRT (Egypt) • Richard Dictus, United Nations (UN) Resident Coordinator in Egypt • Maria Cristina Russo, Director for International Cooperation Directorate, DG Research and Innovation, European Commission • Roman Luckscheiter, Director, German Academic Exchange Service (DAAD), Cairo Regional office
11:30–13:00	Group Photo and Networking break (Participants can visit the BioFair and Poster Session area)
13:00–13:30 Day 1	<p>Keynote Speeches (I) (Great Hall)</p> <p>Chair: Mohamed Hassan, Founding Executive Director, The World Academy of Sciences for the Advancement of Science in Developing Countries – TWAS (Italy)</p> <ul style="list-style-type: none"> • Farouk El-Baz, Director, Center for Remote Sensing, Boston University (USA)
13:30–14:30	Networking break (Participants can visit the BioFair and Poster Session area)
14:30-15:30 Day 1	<p>Keynote Speeches (II) (Great Hall)</p> <p>Chair: Mohamed Hassan, Founding Executive Director, The World Academy of Sciences for the Advancement of Science in Developing Countries – TWAS (Italy)</p> <ul style="list-style-type: none"> • Gordon Conway, Professor of International Development, Faculty of Natural Sciences, Centre for Environmental Policy, Imperial College (UK) “Food for All in Africa:” • Hany El Kateb, Senior Scientist, Technical University of Munich (Germany) “Sustainable Agroecosystems in Arid Regions”

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<p>15:30–17:00</p> <p>Day 1</p>	<p>Plenary Session 1: The Inspiration and Prospects of Science Diplomacy in the EUROMED Region (Great Hall)</p> <p><u>Co-organized with the European Union/European Commission</u></p> <p>Session Contributors: Setting the Scene: Using Science for/in Diplomacy for Addressing Global Challenges</p> <ul style="list-style-type: none"> • Tim Flink, DZHW/Germany and Humboldt University (Germany) • Alexander Degelsegger-Márquez, Senior Researcher and Department Head, Centre for Social Innovation GmbH (Austria) <p>Moderator: Abdel Hamid Al Zoheiry, President, Euro-Mediterranean University of Slovenia (Slovenia)</p> <p>Rapporteur: Pakinam Amer, Chief Editor, Nature Middle East (Egypt)</p> <ul style="list-style-type: none"> • Maria Cristina Russo, Director for International Cooperation Directorate, DG Research and Innovation, European Commission • Mohamed El-Shinawi, Professor of General Surgery, Faculty of Medicine, Ain Shams University; Advisor to Minister of Higher Education and Scientific Research for International Collaborations and Agreements and PRIMA Co- Chair (Egypt) • Pascal Griset, Professor, Sorbonne University (France) • Saïd Bhira, Special Counselor to the Secretary General for Higher Education and Research, The Union for the Mediterranean • Yasser Khalil, Director, Synchrotron-light for Experimental Science and Applications in the Middle East – SESAME (Jordan) <ul style="list-style-type: none"> • Discussion 	<p>Track 1: How Open Data Can Contribute to Achieving the UN SDGs (Delegates Hall)</p> <p><u>Co-organized with Academy of Science of South Africa (ASSAF)</u></p> <p>Chair: Ina Smith, Project Manager, AOSP Project, Academy of Science of South Africa (South Africa)</p> <p>Rapporteur: Menat Zanaty, Assistant Researcher, Technical Office, Bibliotheca Alexandrina (Egypt)</p> <ul style="list-style-type: none"> • Ina Smith, Project Manager, AOSP Project, Academy of Science of South Africa (South Africa) “Overview of the African Open Science Platform Project” • Muliaro Joseph Wafula, Director, ICT Centre of Excellence and Open Data, Jomo Kenyatta University of Agriculture and Technology (Kenya) “Open Science Policy Towards Achieving the SDGs” • John Ele-Ojo Ataguba, Associate Professor, Department of Public Health and Family Medicine, University of Cape Town (South Africa) – Video Conference “Open Data in Health Science Towards Achieving the SDGs” • Samar Kassim, Professor, Ain Shams University (Egypt) “Open Data in Bioinformatics and Required Infrastructure Towards Achieving the SDGs”
<p>17:00–17:30</p>	<p>Networking Coffee/Tea break (Participants can visit the BioFair and Poster Session area)</p>	

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<p>17:30–19:00</p> <p>Day 1</p>	<p>Panel A-1: Towards Good Health and Well-Being - Health Stream (Great Hall)</p> <p>Chair: Norhan Fanaky, Vice President, Pharos University (Egypt)</p> <p>Rapporteur: Mohamed Elhadidy, Associate Professor of Microbiology, College of Veterinary, Mansoura University (Egypt)</p> <ul style="list-style-type: none"> • Alastair Kent, Ambassador, Genetic Alliance (UK) • “Patient Engagement as a Route to Good Health and Good Health Care” • Lida Anestidou, Senior Program Officer, Division on Earth and Life Studies, US National Academy of Sciences (USA) • Ayman El-Shibiny, Professor of Biomedical Sciences, University of Science and Technology, Zewail City of Science and Technology (Egypt) • “Back to the Nature with Antibiotic Resistance” • José León-Carrión, Chair, Department of Experimental Psychology, Human Neuropsychology Laboratory, School of Psychology, University of Seville (Spain) • “Safe Driving and Brain Functions in Middle-Aged and Older Drivers” 	<p>Panel B-1: New Trends in Food and Agri-Biotech - Food and Agriculture Stream (Lecture Hall)</p> <p>Chair: Nina Fedoroff, Senior Science Advisor, OFW Law and Emeritus Professor of Biology, Department of Biology, Eberly College of Science, Huck Institutes of the Life Sciences, The Pennsylvania State University (USA)</p> <p>Rapporteur: Peter McGrath, Coordinator, InterAcademy Partnership, The World Academy of Sciences-TWAS (Italy)</p> <ul style="list-style-type: none"> • Marc van Montagu, Emeritus Professor, Ghent University, President, Institute of Plant Biotechnology for Developing Countries – IPBO (Belgium) • “Plant Biotechnology 2018: Both Knowledge and Wisdom are Imperatives” • Klaus Ammann, Chairman, Section on Biodiversity, European Federation of Biotechnology – EFB (Switzerland) • “Biodiversity, Biotechnology and Organic Farming” • Walid El-Sharoud, Professor, Faculty of Agriculture, Mansoura University and Biology Editor of <i>Science Progress</i> (Egypt) • “Life by Design: The Hope, Hype and Reality of Synthetic Biology” 	<p>Panel C-1: Sustainable Development: Saving our Planet – Environment Stream (Small Theater)</p> <p>Chair: Magdy Madkour, Professor, Arid Lands Agricultural Research, Institute (ALARI), Faculty of Agriculture, Ain Shams University (Egypt)</p> <p>Rapporteur: Marwa Waseem, Assistant Professor, Department of Environmental Sciences, Faculty of Science, Alexandria University (Egypt)</p> <ul style="list-style-type: none"> • Adel El-Beltagy, Former Minister of Agriculture and Land Reclamation; and Chair, International Drylands Development Commission – IDDC (Egypt) • Rosanne Diab, Executive Officer, Academy of Science of South Africa – ASSAF (South Africa) • Samira Asem, Director, Kuwait Institute for Scientific Research (Kuwait) • “Research and Development at Kuwait Institute for Scientific Research (KISR): Way Forward for Biological Sciences”
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Saturday, 21 April 2018				
08:30–09:00	Registration (available every day of the conference)			
9:00-10:00 Day 2	Keynote Speeches (III) (Great Hall) Chair: Ahmed Moustafa , Associate Professor, Department of Biology, American University in Cairo (Egypt) <ul style="list-style-type: none"> • Karen Nelson, President, J. Craig Venter Institute – JCVI (USA) • Mohamed Ghoneim, Professor Emeritus of Urology, Mansoura University (Egypt) “From Human Bone Marrow Derived Stem/Stromal Cells to Insulin Producing Cells”			
10:00-12:00 Day 2	Roundtable on Higher Education (Great Hall) Chair: Mohamed El-Shinawi , Advisor to Minister of Higher Education and Scientific Research for International Collaborations and Agreements and Professor, Faculty of Medicine, Ain Shams University (Egypt) Rapporteur: Pakinam Amer , Chief Editor, Nature Middle East (Egypt) <ul style="list-style-type: none"> • Hani Sewilam, Director, Center for Sustainable Development The American University in Cairo, and Professor and Academic Director, Department of Engineering Hydrology, RWTH Aachen University (Germany) • Mohammad Hamdan, Senator in the Upper House of Jordan’s 	Panel A-2: Drug Discovery, Metabolomics and New Innovation in Health – Health Stream (Lecture Hall) Chair: Sameh Soror , Head, Department of Biochemistry and Molecular Biology, Faculty of Pharmacy, Helwan University (Egypt) Rapporteur: Mohamed Elhadidy , Associate Professor of Microbiology, College of Veterinary, Mansoura University (Egypt) <ul style="list-style-type: none"> • John Kilama, Director and Founder, Kilama International Consulting Group- KICG (USA) • Mohamed Farag, Professor, Chemistry Department, American University in Cairo (Egypt) “Metabolomics Getway for Milestone Discoveries in the	Panel B-2: M. S. Swaminathan: Scientist and Humanitarian (Part I) – Food and Agriculture Stream (Small Theater) <u>Co-organized with Prof. Malcolm Elliott</u> Chair: Malcolm Elliott , Founding Director, Norman Borlaug Institute for Global Food Security (UK) Rapporteur: Peter McGrath , Coordinator, InterAcademy Partnership, The World Academy of Sciences-TWAS (Italy) <ul style="list-style-type: none"> • Ismail Serageldin, Founding Director Emeritus, Library of Alexandria (Egypt) “M. S. Swaminathan - Scientist and Humanitarian” <ul style="list-style-type: none"> • Nina Fedoroff, Senior Science Advisor, OFW Law and Emeritus Professor of Biology, the 	Panel C-2: Water Prospects in the 21st Century – Environment Stream (Delegates Hall) Chair: Salah Soliman , Professor of Pesticide Chemistry and Toxicology, Alexandria University and Senior Expert, Bibliotheca Alexandrina (Egypt) Rapporteur: Marwa Waseem , Assistant Professor, Department of Environmental Sciences, Faculty of Science, Alexandria University (Egypt) <ul style="list-style-type: none"> • Hussein El-Atfy, Former Minister of Irrigation and Water Resources and Secretary General, Arab Water Council (Egypt) • Salif Diop, Professor, Cheikh Anta Diop University and Former Senior Staff Member, Scientific Assessment Branch,

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	<p>Parliament, TWAS Vice President for the Arab Region and Senior Advisor, Arab Open University (Jordan)</p> <ul style="list-style-type: none"> • Riyad Y. Hamzah, President of the University of Bahrain (Kingdom of Bahrain) • Sherif Sedky, Executive President, Zewail City of Science and Technology (Egypt) “Addressing Strategic Challenges by Scientific Research” • Andreas Kakarougkas, Assistant Professor, Department of Biology, School of Sciences and Engineering, The American University in Cairo (Egypt) 	<p>Post Genomic Era”</p> <ul style="list-style-type: none"> • Jean Jabbour, WHO Representative, WHO Country Office (Egypt) • Hassan Azzazy, Professor, School of Sciences and Engineering, American University in Cairo (Egypt) • Abdulla Molokhia, Vice President for Research and Quality Affairs, Pharco Pharmaceuticals (Egypt) 	<p>Pennsylvania State University (USA) “In Honour of M. S. Swaminathan: The Green Revolution and Beyond”</p> <ul style="list-style-type: none"> • Rajeev Varshney, Research Program Director for Genetic Gains, International Crops Research Institute for the Semi-Arid Tropics (India) “The Application of Genomics to Crop Improvement” • Edward Cocking, Emeritus Professor, Faculty of Science, School of Biosciences, Life Sciences Building, University of Nottingham (UK) “Nitrogen-Fixing Cereals - the Dream is Alive” 	<p>Division of Early Warning and Assessment, UNEP (Senegal) “Water and Sanitation in the UN 2030 Agenda”</p> <ul style="list-style-type: none"> • Khaled M. AbuZeid, Senior Manager, Regional Water Resources Program, Centre for Environment and Development for the Arab Region and Europe –CEDARE (Egypt) • Sherif Kandil, Professor of Material Science, the Institute of Graduate Studies and Research (Egypt) • Margaret Catley-Carlson, Vice Chair, Board of Directors, Canadian Water Network (Canada)
12:00–12:30	Networking Coffee/Tea break (Participants can visit the BioFair and Poster Session area)			
12:30-14:00 Day 2	<p>Panel A-3: Fighting Cancer: From Lab to Practice – Health Stream (Great Hall)</p> <p>Chair: Yehia Halim, Senior Expert, Bibliotheca Alexandrina and Professor, Faculty of Medicine, Alexandria University (Egypt)</p> <p>Rapporteur: Mohamed Elhadidy, Associate Professor of Microbiology, College of Veterinary, Mansoura University (Egypt)</p> <ul style="list-style-type: none"> • Mohamed El-Shinawi, Advisor to Minister of Higher Education and Scientific Research for International Collaborations and Agreements and Professor, Faculty of Medicine, Ain Shams 	<p>Panel B-3: M. S. Swaminathan: Scientist and Humanitarian (Part II) – Food and Agriculture Stream (Lecture Hall)</p> <p><u>Co-organized with Prof. Malcolm Elliott</u></p> <p>Chair: Malcolm Elliott, Founding Director, Norman Borlaug Institute for Global Food Security (UK)</p> <p>Rapporteur: Peter McGrath, Coordinator, InterAcademy Partnership, the World Academy of Sciences-TWAS (Italy)</p> <ul style="list-style-type: none"> • Gia Aradottir, Entomologist, Bio-interactions and Crop Protection, Rothamsted Research 	<p>Panel C-3: New Prospects of Environmental Genomics and Synthetic Biology - Environment Stream (Small Theater)</p> <p>Chair: Mohamed Farag, Professor, Chemistry Department, American University in Cairo (Egypt)</p> <p>Rapporteur: Marwa Waseem, Assistant Professor, Department of Environmental Sciences, Faculty of Science, Alexandria University (Egypt)</p> <ul style="list-style-type: none"> • Mostafa Elshahed, Associate Professor, Department of Microbiology and Molecular Genetics, Oklahoma State University (USA) 	

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	<p>University (Egypt)</p> <ul style="list-style-type: none"> • Pierre Anhoury, International Liaison Officer, Institut Curie (France) • Jean-Pierre Benoit, Professor, School of Pharmacy of Angers, University of Angers (France) <p>“Nanoparticle-Based Therapeutics in Oncology”</p> <ul style="list-style-type: none"> • El Sayed El Ashry, Professor of Organic Chemistry, Faculty of Science, Alexandria University (Egypt) <p>“Robust Protecting Groups Demanded for the Synthesis of Biomaterials Incorporating Complex Oligosaccharides”</p> <ul style="list-style-type: none"> • Yehia Halim, Senior Expert, Bibliotheca Alexandrina (Egypt) 	<p>(UK)</p> <p>“Enhancement of Crop Pest Resistance”</p> <ul style="list-style-type: none"> • Latha Rangan, Professor, Department of Biosciences and Bioengineering, Indian Institute of Technology Guwahati (India) <p>“Maintaining Biodiversity in Northern India: Ethno-Medicinal Usage of Zingiberaceae”</p> <ul style="list-style-type: none"> • Adrian Dubock, Executive Secretary, Golden Rice Project (Switzerland) <p>“Biofortification: What, Why, How”</p> <ul style="list-style-type: none"> • Swapan Datta, Vice Chancellor, Visva-Bharati University (India) <p>“Higher Yield, Higher Quality, Lower Input, Lower Environmental Impact, More Stress Resistant Rice for the Twenty Second Century”</p>	<p>“Fungal Inhabitants in the Herbivorous Gut”</p> <ul style="list-style-type: none"> • Bent Petersen, Associate Professor and Head of Studies Human Life Science Engineering, Department of Bio and Health Informatics, Technical University of Denmark (Denmark) <p>“On the Omics of Rainforests - or How Bioinformaticians Can Save the World”</p> <ul style="list-style-type: none"> • Rania Siam, Professor and Chair, Department of Biology, School of Sciences and Engineering, The American University in Cairo (Egypt) • Saber Hussain, Professor, Department of Pharmacology and Toxicology, Boonshoft School of Medicine, Wright State University (USA) • François Képès, Member, The National Academy of Technologies of France (France) <p>“Synthetic Biology for the Environment”</p>
14:00-15:30	Networking break (Participants can visit the BioFair and Poster Session area)		
<p>15:30-17:00</p> <p>Day 2</p>	<p>Plenary Session 2: Precision Medicine: New Tools...New Trends - Health Stream (Great Hall)</p> <p>Chair: Alastair Kent, Ambassador, Genetic Alliance (UK)</p> <p>Rapporteur: Pakinam Amer, Chief Editor, Nature Middle East (Egypt)</p> <ul style="list-style-type: none"> • Nagwa El-Badri, Founding Chair, the Biomedical Sciences Program, University of Science and Technology, Zewail City of Science and Technology (Egypt) • Ahmed Moustafa, Associate Professor, Department of Biology, American University in Cairo (Egypt) • Yasmine Aguib, Head, Life Sciences Department, the Aswan Heart Centre, Magdi Yacoub Foundation (Egypt) 	<p>Track 2: Sciences Academies: Supporting SDGs (Delegates Hall)</p> <p>Chair: Mohamed Hassan, Founding Executive Director, the World Academy of Sciences for the Advancement of Science in Developing Countries – TWAS (Italy)</p> <p>Rapporteur: Menat Zanaty, Assistant Researcher, Technical Office, Bibliotheca Alexandrina (Egypt)</p> <ul style="list-style-type: none"> • Peter McGrath, Coordinator, InterAcademy Partnership, the World Academy of Sciences-TWAS (Italy) • Stanley Maphosa, International and National Liaison Manager, Academy of Science of South Africa – ASSAf (South Africa) <p>“Sciences Academies: Supporting SDGs”</p>	

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	<ul style="list-style-type: none"> • Heba Kassem, Professor of Medical Genetics and Director, Clinical Genomic Centre, Faculty of Medicine, Alexandria University (Egypt) 	<ul style="list-style-type: none"> • Sameh Soror, Head, Department of Biochemistry and Molecular Biology, Faculty of Pharmacy, Helwan University (Egypt)
17:00–17:30	Networking Coffee/Tea break (Participants can visit the BioFair and Poster Session area)	
17:30-19:30	<p>Plenary Session 3: Fostering SDGs: Policies, Economics and Innovation (Great Hall)</p> <p>Chair: Biljana Papazov Ammann, Professor, University of Sofia (Switzerland) Co-chair: Klaus Ammann, Chairman, Section on Biodiversity, European Federation of Biotechnology – EFB (Switzerland) Rapporteur: Pakinam Amer, Chief Editor, Nature Middle East (Egypt)</p> <ul style="list-style-type: none"> • Blerta Aliko, UN Women Country Representative, Egypt Country Office (Egypt) • Aly Abou Sabaa, Director General, International Center for Agricultural, Research in the Dry Areas-ICARDA (Lebanon) • James Moran, Associate Senior Research Fellow, Centre for European Policy Studies (Belgium) • Salah Hassouna, Professor Emeritus of Industrial and Environmental Microbiology, Environmental Studies Department, Institute of Graduate Studies and Research (IGSR), Alexandria University (Egypt) 	<p>Track 3: Awakening Science with the BA Serageldin (Delegates Hall)</p> <p>Chair: Ronald LaPorte, Professor Emeritus, Department of Epidemiology, University of Pittsburgh (USA) Rapporteur: Menat Zanaty, Assistant Researcher, Technical Office, Bibliotheca Alexandrina (Egypt)</p> <ul style="list-style-type: none"> • Ismail Serageldin, Founding Director Emeritus, Library of Alexandria (Egypt) • Ronald LaPorte, Professor Emeritus, Department of Epidemiology, University of Pittsburgh (USA) • Eugene Shubnikov, Research Scientist, Center for Endocrinology - SibDiab (Russia) <p>“Universal Access to Knowledge Through Serageldin RMLA”</p> <ul style="list-style-type: none"> • Faina Linkov, Associate Professor, School of Medicine, University of Pittsburgh (USA) • “Research Methods Library of Alexandria to Boost Scientific Productivity Locally and Globally” • Francois Sauer, Founder, Sauer and Associates LLC (USA) • “Awakening Learning with the BA Serageldin Research Methods Library” • Musa Kana, Associate Professor and Dean, Faculty of Medical Sciences, Federal University Lafia (Nigeria) • “Sharing of Science and Research Methods for Sustainable Development in Africa” • Maha Abbas, Head, Bibliotheca Alexandrina Information for Africa - BAIFA Unit, Networks and Outreach Department, Bibliotheca Alexandrina (Egypt)
Day 2		

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Sunday, 22 April 2018

08:30–9:00	Registration (available every day of the conference)		
<p>Day 3</p> <p>9:00–10:30</p>	<p>Panel A-4: Genomics and Infectious Diseases – Health Stream (Great Hall)</p> <p><u>Co-organized with Cairo University (Prof. Ramy Aziz)</u></p> <p>Chair: Ramy Aziz, Professor and Chairman, Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University (Egypt)</p> <p>Rapporteur: Mohamed Elhadidy, Associate Professor of Microbiology, College of Veterinary, Mansoura University (Egypt)</p> <ul style="list-style-type: none"> • Nancy Connell, Visiting Research Scholar, U.S. National Academy of Sciences (USA) “Predatory Bacteria and the Fight Against Gram-Negative Pathogens: Resistance is Futile!” • Mariana Piuri, Adjunct Researcher, Department of Biological Chemistry, University of Buenos Aires (Argentina) “Fluorophages for Rapid TB-Diagnosis in Sputum Samples and Phenotypic Drug Susceptibility Testing” • Adrián Turjanski, Director, the Argentinian Bioinformatics Platform and Adjunct Investigator, National Scientific and Technical Research Council (Argentina) “Bioinformatics for Drug Discovery in Pathogens” • Mahmoud Mohamed Bahgat, Professor, Philipps-Universität Marburg and Professor of Biochemistry, Therapeutic Chemistry Department, Division of Pharmaceutical and Drug Industries Research, National 	<p>Panel C-4: Sustainable Photovoltaic Solutions for Agriculture and the Role of Water-Energy-Food-Health Nexus in Achieving the SDGs – Environment Stream (Small Theater)</p> <p><u>Co-organized with RWTH Aachen University (Prof. Hani Sewilam)</u></p> <p>Chair: Hani Sewilam, Director, Center for Sustainable Development, the American University in Cairo, and Professor and Academic Director, Department of Engineering Hydrology, RWTH Aachen University (Germany)</p> <p>Rapporteur: Marwa Waseem, Assistant Professor, Department of Environmental Sciences, Faculty of Science, Alexandria University (Egypt)</p> <ul style="list-style-type: none"> • Hani Sewilam, Director, Center for Sustainable Development, The American University in Cairo, and Professor and Academic Director, Department of Engineering Hydrology, RWTH Aachen University (Germany) • Hassan El-Fawal, Professor and Dean, School of Sciences and Engineering, American University in Cairo (Egypt) • Birgit Birnstingl, Chief Executive Officer, Sekem Energy (Austria) 	<p>Track 4: Bringing Science Home (Delegates Hall)</p> <p><u>Co-organized with Nature Middle East</u></p> <p>Chair: Mohammed Yahia, Executive Editor, Nature Research Middle East (Egypt)</p> <p>Rapporteur: Menat Zanaty, Assistant Researcher, Technical Office, Bibliotheca Alexandrina (Egypt)</p> <ul style="list-style-type: none"> • Mohammed Yahia, Executive Editor, Nature Research Middle East (Egypt) • Pakinam Amer, Chief Editor, Nature Middle East (Egypt)

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	<p>Research Centre (Egypt) “Multi-Omics: The Future Bridge Towards Personalized Medicine”</p>	<p>• Lothar Fickert, Professor and Dean, Electrical Plants and Grits, Graz University of Technology (Austria)</p>	
10:30–11:00	<p>Keynote Speeches (IV) (Great Hall)</p> <p>Chair: Mohamed El-Faham, Senior Expert, Bibliotheca Alexandrina (Egypt)</p> <p>• Sherif Delawar, Former UN Expert Economist, and Professor of Management Sciences, Graduate School of Business, Arab Academy for Science, Technology and Maritime Transport (Egypt) “Thinker in Economic Development”</p>		
11:00–11:30	<p>Networking Coffee/Tea break (Participants can visit the BioFair and Poster Session area)</p>		
11:30-12:30	<p>Keynote Speeches (V) (Great Hall)</p> <p>Chair: Mohamed El-Faham, Senior Expert, Bibliotheca Alexandrina (Egypt)</p> <p>• Ismail Serageldin, Founding Director Emeritus, Library of Alexandria (Egypt) “Public Health and Private Medicine: Reflections on the Academies' Report on Human Genome Editing”</p>		
12:30–14:00	<p>Plenary Session 4 – Robotics and Bio-robotics in Life Sciences (Part I) (Great Hall)</p> <p>Chair: Alaa Khamis, Senior Advanced Technology Specialist, General Motors (Canada) Rapporteur: Pakinam Amer, Chief Editor, Nature Middle East (Egypt)</p> <p>• Ray Johnson, Executive Director, QxBranch (USA) • Abderrahmane Kheddar, Director of Research, the National Center for Scientific Research - CNRS (France) “Robotics and the Quest of Human Augmentation” • Angelo Cangelosi, Professor, Artificial Intelligence and Cognition, School of Computing and Mathematics, Plymouth University (UK) “Developmental Robotics: From Babies to Robots” • Robert K. Shepherd, Principal Scientist, Bionics Institute (Australia) – Video Message “Delivering Health Solutions Through Neurotechnology”</p> <p>Roundtable Discussion</p>		
14:00–15:30	<p>Networking break (Participants can visit the BioFair and Poster Session area)</p>		

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<p>15:30-17:00 Day 3</p>	<p>Plenary Session 5 – Robotics and Bio-robotics in Life Sciences (Part II) (Great Hall)</p> <p>Chair: Alaa Khamis, Senior Advanced Technology Specialist, General Motors (Canada) Rapporteur: Pakinam Amer, Chief Editor, Nature Middle East (Egypt)</p> <ul style="list-style-type: none">• Nikolaos Mavridis, Founder Director, Interactive Robots and Media Lab (UAE)• Alaa Khamis, Senior Advanced Technology Specialist, General Motors (Canada) “AI: A Key Enabler for Sustainable Development Goals”• Peter Neubauer, Professor, Technische Universität Berlin (Germany) “Industry 4.0 in Biotechnology: How Automation, Robotics and Digitalization can Help to Unlock the Nature’s Potential for New Sustainable Bioprocesses and Bioproducts”• Franck Ruffier, Research Scientist, the National Center for Scientific Research - CNRS (France) – Video Conference “Robotics- Inspired Bee's Neuroethology”
<p>17:00–17:30</p>	<p>Networking Coffee/Tea break (Participants can visit the BioFair and Poster Session area)</p>
<p>17:30-18:30 Day 3</p>	<p>Reporting Session (Great Hall)</p> <ul style="list-style-type: none">• Plenary Sessions: Pakinam Amer, Chief Editor, Nature Middle East (Egypt)• Health Stream: Mohamed Elhadidy, Associate Professor of Microbiology, College of Veterinary, Mansoura University (Egypt)• Food and Agriculture Stream: Peter McGrath, Coordinator, InterAcademy Partnership, The World Academy of Sciences-TWAS (Italy)• Environment Stream: Marwa Waseem, Assistant Professor, Department of Environmental Sciences, Faculty of Science, Alexandria University (Egypt)• Tracks: Menat Zanaty, Assistant Researcher, Technical Office, Bibliotheca Alexandrina (Egypt)• TWAS/BVA.NXT: Sameh Soror, Head, Department of Biochemistry and Molecular Biology, Faculty of Pharmacy, Helwan University (Egypt)• BioVisionAlexandria 2018 Conference at a Glance: Marwa Elwakil, Director, Center for Special Studies and Programs, Academic Research Sector, Bibliotheca Alexandrina (Egypt)
<p>18:30-19:30 Day 3</p>	<p>Closing Session (Great Hall)</p> <p>Chair: Marwa Elwakil, Director, Center for Special Studies and Programs, Academic Research Sector, Bibliotheca Alexandrina (Egypt)</p> <ul style="list-style-type: none">• Hani Sewilam, Director, Center for Sustainable Development, The American University in Cairo, and Professor and Academic Director, Department of Engineering Hydrology, RWTH Aachen University (Germany)• Mahmoud Sakr, President, Academy of Scientific Research and Technology – ASRT (Egypt)

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