

## “Technological Innovations for Discovering Solutions to the World’s Greatest Current Challenges” (6 -9 June 2023 | Kigali, Rwanda)

### Schedule of activities

The sessions are colour coded. The blue background indicates an internal session, for GYA members (and alumni) only. The grey sessions are generally off-topic, free or break-time. The purple ones indicate public Conference sessions, open to all registered participants.

For further information about the individual events, see the event descriptions starting on page 9.

<b>Pre-AGM</b>	<b>Sunday, 4 June 2023</b>	<b>New Members</b>
	<i>Location: Carnegie Mellon University Africa – Campus</i>	
9:00 – 17:00	Science Leadership Workshop for New Members	
19:00 – 22:00	Dinner and Networking	

<b>Pre-AGM</b>	<b>Monday, 5 June 2023</b>	<b>Internal GYA Day</b>
	<i>Location: Carnegie Mellon University Africa – Campus</i>	
9:00 – 17:00	Science Leadership Workshop for New Members	
09:00-12:00	EC In-Person Meeting	
12:00 - 16:00	Bioinformatics Workshop by Bio2Bio WG	<i>Parallel Sessions</i>
13:00-16:00	Science Education for Youth Workshop	<i>Parallel Sessions</i>
<i>all day</i>	Arrival and Registration GYA members	
19:00 – 22:00	Dinner and Networking	
	<i>Location: Khana Khazana, The Authentic Indian Restaurant, KN 31<sup>ST</sup> STREET NYARUGENGE, Kiyovu Kigali</i>	

<b>Day 1</b>	<b>Tuesday, 6 June 2023</b> <i>Location: Marriott Hotel Kigali</i>	<b>Opening Conference &amp; AGM</b>
09:00 – 10:30	<p>Official AGM &amp; Conference Opening</p> <p><b>Welcome</b></p> <p><b>Introduction of GYA vision and activities</b></p> <p>GYA Co-Chair Prosper Ngabonziza (Assistant Professor, Louisiana State University, USA)</p> <p>GYA Co-Chair Priscilla Kolibea Mante (Senior Lecturer, Kwame Nkrumah University of Science and Technology, Ghana)</p> <p><b>Welcome – introduction to Research and Scientific Activities in Rwanda</b></p> <p>Thomas Kurz, Ambassador, German Embassy Kigali</p> <p>Valentine Uwamariya, Rwanda Minister of Education (invited)</p> <p><b>Inauguration of New GYA Members</b></p>	
10:30 – 10:45	<p>Coffee Break</p> <p>GYA Buddies connect</p>	
10:45 – 12:15	<p><b>Plenary Panel I - Vaccine production in low- and middle-income countries</b></p> <p><b>Speakers</b></p> <p>Video greeting from Tedros Ghebreyesus (Director General, World Health Organisation)</p> <p>Agnès Binagwaho (Vice-Chancellor Emeritus of Global Health Equity University, Rwanda)</p> <p>Claude Muvunyi (Director, Rwanda Biomedical Centre)</p> <p>Goran Bandov (Professor of International Relations and Diplomacy, University of Zagreb, Croatia; GYA member)</p> <p><b>Moderators</b></p> <p>Luciana Balboa (GYA Member; Associate Researcher, CONICET, Argentina)</p> <p>Shymaa Enany (GYA Member; Professor of Microbiology and Immunology, Suez Canal University, Egypt)</p>	
12:15 – 12:30	<i>Conference Photo</i>	
12:30 – 13:30	<i>Lunch</i>	



13:30-15:00	<p><b>Plenary Panel II - Technological innovations for solving global challenges: The role of young academics</b></p> <p><b>Speakers</b></p> <p>Romain Murenzi (Executive Director of the World Academy of Sciences)</p> <p>Jackie Kado (Executive Director of the Network of African Science Academies)</p> <p>Masresha Fetene (Co-Chair, InterAcademies Partnership)</p> <p>Farai Kapfudzaruwa (Research and Partnerships Manager, Future Africa)</p> <p>Priscilla Kolibea Mante (Co-Chair of the Global Young Academy)</p> <p>Eva Liliana Ujeneza (Co-Chair of the Rwanda Young Academy of Sciences)</p> <p>Chandra Shekhar Sharma (GYA Member; past Chairperson of the Indian National Young Academy of Sciences)</p> <p><b>Moderators</b></p> <p>Lahcen El Youssfi (GYA Member; Professor of Agro-biology and Natural Resources Management, Ibn Tofail University, Morocco)</p> <p>Roula Inglesi-Lotz (GYA Member; Professor of Economics, University of Pretoria, South Africa)</p>
15:00 – 16:30	<p>Opening of GYA Activities Fair –</p> <p>Working Groups, Incubator Groups, Projects, Member Committees</p>
16:30 - 18:30	<p>GYA Activity Groups &amp; WG Time</p> <p>Session I – 16:30 – 17:30</p> <p>Session II – 17:30 - 18:30</p>
19:00 – 20:30	<p>Networking Dinner</p> <p><i>Location: ParkInn, 19:00-21:00</i></p>
20:30 –22:00	<p>GYA Activity Groups &amp; WG Time</p>



<b>Day 2</b>	<b>Wednesday, 7 June 2023</b> <i>Location: Marriott Hotel Kigali</i>	<b>Public Conference &amp; AGM</b>
07:30 –09:00	GYA Activity Groups & WG Breakfast and Working Time  (During this time internal meetings can take place, e.g. btw 7:30 – 8:15 or 8:15-9:00.)	
09:00 –10:00	Keynote Speech  <i>In search of an influential research paper of outstanding scientific importance</i>  Magdalena Skipper, Editor in Chief, Nature	
10:00 – 11:30	<b>Plenary Panel III – A global perspective towards technological innovations: Think globally but tackle local challenges?</b>  <b>Speakers</b>  Hon. Paula Ingabire (Minister of ICT and Innovation, Rwanda)  Wilfred Ndifon (Chief Scientific Officer, African Institute for Mathematical Sciences, Rwanda)  Neil Guerrero Gonzales (GYA Member; Vice Chancellor, Universidad Nacional de Colombia)  Sylvie Mucyo (Vice Chancellor, Rwanda Polytechnic)  <b>Moderators:</b>  Natalia Kurcikova (Professor of Early Childhood and Development, University of Stavanger, Norway / Open University, UK)  Jude Kimengsi (Associate Professor of Geography, The University of Bamenda, Cameroon)	<i>Parallel Sessions</i>
10:00- 11:30	<b>Plenary Panel IV – A global perspective towards technological innovations: Engaging youth for addressing challenges of humanity</b>  <b>Speakers</b>  Neil Geoffrey Turok (Founder of African Institute for Mathematical Sciences) <i>remote speaker</i>  Flávia Ferreira Pires (GYA Member; Professor of Anthropology at Federal University of Paraíba, Brazil)	<i>Parallel Sessions</i>



Gaspard Twagirayezu (Minister of State at the Ministry of Education, Rwanda)

Erik Hansalek (Head of Division Cooperation with Africa and the Middle East, German Federal Ministry of Education and Research)

Yoslan Nur (Programme Specialist, UNESCO National Focal Point Rwanda)

**Moderators**

Alma Cristal Hernandez Mondragon (Visiting Professor, National Polytechnic Institute, Mexico) (GYA member)

Daisy Chioma Onyige (Professor of Sociology, University of Port Harcourt, Nigeria) (GYA member)

11:30 - 11:45 *Break*

11:45-13:15 Member Lightning Talks – Session I  
*4min presentations by GYA members*

*Parallel Sessions*

11:45-13:15 Member Lightning Talks – Session II  
*4min presentations by GYA members*

*Parallel Sessions*

13:15 – 14:15 *Lunch*

14:30 – 17:30 *Visit to Kigali Genocide Memorial Site  
(14:15 Bus pick-up at Marriott Hotel)*

18:00 – 18:30 *EC Pitches (GYA voting members only)*

19:00 – 22:00 Gala Dinner with all GYA members, guests and sponsors  
Videoscreening: Protein Art Exhibition  
(GYA Bio2Bio working group)



<b>Day 3</b>	<b>Thursday, 8 June 2023</b> <i>Location: Marriott Hotel Kigali</i>	<b>Public Conference &amp; AGM</b>
09:00 –10:30	<p><b>Scientific Publishing: A global perspective from early-career researchers on open access dissemination of scientific discovery &amp; data sharing</b></p> <p><b>Session 1: The State and Future of Open Access Publishing</b></p> <p><b>Speakers</b></p> <p>Eugène Mutimura (Executive Secretary of Rwanda's National Council for Science and Technology)</p> <p>Benjamin Stewart (Researcher and Project Manager at the German Institute of Development and Sustainability)</p> <p>Luciana Balboa (Institute of Experimental Medicine CONICET, Argentina; GYA Member)</p> <p>Chandra Shekhar Sharma (Indian Institute of Technology Hyderabad; GYA Member)</p> <p><b>Moderator</b></p> <p>Stephanie Jurburg (Helmholtz Center for Environmental Research, Germany; GYA Open Science WG Co-lead)</p> <p><b>Session 2: Three Models of Open Access</b></p> <p><b>Speakers</b></p> <p>Magdalena Skipper (Editor in Chief, Nature)</p> <p>Emily Chenette (Editor in Chief, Public Library of Science ONE)</p> <p>Roseline Dzekem Dine (eLife Ambassador)</p> <p><b>Moderator</b></p> <p>Abel Polese (Dublin City University, Ireland; GYA Alumni)</p>	<i>Parallel Sessions</i>
09:00-10:30	<p>Science Advice - Introductory Workshop</p> <p><b>Speakers</b></p> <p>Christian Acemah (INGSA Africa, Executive Secretary of the Uganda Academy of Sciences)</p> <p>Alma Hernández-Mondragón (GYA, Executive Committee Member)</p>	<i>Parallel Sessions</i>



Markus Prutsch (Principal Researcher and Administrator, Directorate-General for Internal Policies of the Union, European Parliament; GYA Science Advice Working Group Co-Lead)

Yangyang Cheng (Yale Law School, Research Scholar in Law and Fellow, Paul Tsai China Center) *remote speaker*

David Mair (Head of Unit, Joint Research Center, European Commission) *remote speaker*

**Moderators**

Laura Zimmermann (University of Georgia, USA; GYA Science Advice Working Group Co-Lead)

10:30 – 10:45	Coffee Break	
10:45 – 12:00	Scientific Publishing (Continued)	<i>Parallel Sessions</i>
10:45 – 12:00	Science Advice (Continued)	<i>Parallel Sessions</i>
12:00 – 13:00	Closing – International Conference of Young Scientists	
13:00 – 14:00	Lunch	
14:00-16:15	GYA General Assembly discussion	
16:15 – 16:30	Coffee Break	
16:30 – 18:00	GYA Activity Groups & WG Time	<i>Parallel Sessions</i>
16:30 – 18:00	Science Advice – Advanced Session	<i>Parallel Sessions</i>
	<b>Speakers</b>	
	Binyam Sisay Mendisu (INGSA)	
	Markus J. Prutsch (European Parliament)	
18:00 – 19:00	EC Elections (GYA members only)	
19:30 – 22:30	Networking Dinner – Farewell to Outgoing GYA Members	
	<i>Location: Hotel Sainte Famille, 20:00-22:00</i>	



<b>Friday, 9 June 2023</b>		
<b>Day 4</b>	<i>Location: Hotel Sainte Famille</i>	<b>Internal GYA Day</b>
09:00 – 10:30	<p>Highlights and achievements from selected GYA Activities Groups</p> <p>The following groups will present their work:</p> <p><b>Trust in (Young) Scientists</b> SCISO project (Sandra Lopez)</p> <p><b>Young Researchers and the COVID-19 Pandemic</b> (Paulina Carmona-Mora)</p> <p><b>Global SYS LAC</b> (Nadia De León)</p> <p><b>Science Leadership workshop in LAC</b> (Paulina Carmona-Mora)</p> <p><b>The Science Advice Resource Centre</b> (Felix Moronta)</p> <p><b>Scientific Excellence working group</b> (Yensi Flores Bueso &amp; Carlo d'Ippoliti)</p> <p><b>Moderator</b></p> <p>Monika Kedra (Institute of Oceanology Polish Academy of Sciences)</p>	
10:30 – 10:45	<i>Coffee break</i>	
10:45 – 13:15	GYA General Assembly Meeting	
13:15 – 14:00	<i>Lunch</i>	
14:00 – 16:00	EC-EC business transition meeting and EC photos and group photo	
16:15 – 16:30	<i>Coffee Break</i>	
16:30 – 18:30	<p>GYA Activity Groups &amp; WG Time</p> <p>WG Workshops to be held during this slot:</p> <p>“Pandemic Preparedness” (WG Global Health, Amarjagal Dagvadorj)</p> <p>“Research Assessment” (WGs Scientific Excellence with Trust in Science, Sibel Eker, Leila Niamir)</p>	<i>Parallel Sessions</i>
16:30 – 18:30	<p>Pandemic Preparedness workshop:</p> <p><i>Accelerating pandemic preparedness for climate change</i></p>	<i>Parallel Sessions</i>



## Sponsors and Partners



## Additional Partners

Rwanda Academy of Sciences

East Africa Institute for Fundamental Research

Rwandan Association of Women in Science and Engineering

African Institute for Mathematical Sciences – Next Einstein Initiative

Rwanda Convention Bureau

## Event descriptions

*Sunday, 4 June 2023*

### **Science Leadership Workshop for New Members (09.00-17-00)**

The 2-day workshop, scheduled for 4 – 5 June 2023, in Kigali, Rwanda, aims to give new GYA members space to reflect together on how to be leaders in diverse contexts: in their research contexts, in the institutions and communities where they live and work, and in the GYA. The workshop will cover topics like effective and creative problem solving, [collective leadership tools](#), personality differences and preferences in teams and cultural dexterity. It will give new GYA members confidence as they begin their tenure with the GYA and attend their first Annual General Meeting.

#### **Expected outcomes of the workshop**

- Participants learn and practice specific collaborative tools (for reframing problems, idea generation and development, productive evaluation, etc.).
- Raised awareness about inclusive communication and active listening.
- New Members develop confidence to inject themselves productively into the meetings and to optimize their engagement and contribution to the GYA, at the AGM and throughout their tenure in the GYA.

#### **Background**

The GYA helps young scientists develop competency in how they talk about their science, conduct discourse across disciplines, develop networks and engage the public with science. These soft skills, however, aren't necessarily part of a research career.

To address this gap, GYA members worked together with Inclusive Innovation to build the Africa Science Leadership Program (ASLP) in 2015. The programme aims to help early-career researchers in Africa engage more effectively across disciplines, and up and down the hierarchy of their universities and academies. Since the start of the [Africa SLP](#), the [ASEAN SLP](#), a new [LAC-SLP](#) and numerous spin-off [science leadership workshops](#) have been organised by GYA members.

The 2-day new member Science Leadership Workshop gives the newest cohort of GYA members a chance to build rapport prior to the meeting, and also exposes them to tools that enable them to optimize their experience with other GYA members at the AGM and beyond. This helps the GYA to create an even more collaborative culture within the GYA, and a next generation of scientists who approach problems and leadership creatively and collaboratively.

Find out more about the GYA and Science Leadership for early-career researchers in these testimonies from ECRs and facilitators here: [Find out more about Science Leadership for early-career researchers – YouTube](#)

#### **Approach & Methodology**

This collaborative skill building workshop is designed and facilitated by [Inclusive Innovation](#), which has been partnering with the Africa SLP and with the GYA and other regional SLPs since 2015. The facilitation team approaches every meeting or workshop as an opportunity to solve problems, using activities that invite participants to explore a challenge and define it, collectively, before jumping to premature conclusions. In almost every case, the workshop or meeting is designed to create or reinforce a shared understanding of the topic at hand and to inspire higher commitment to taking action as a result of having participated in the event.

The methods include elements from a number of creative processes. At the core is Creative Problem Solving (CPS); the oldest and most researched deliberate creativity methodology, which is flexible, and resilient, in a wide range of situations. It offers a non-prescriptive approach to problem solving. Inclusive Innovation also employs the tools and techniques of Design Thinking and Appreciative Inquiry.

Monday, 5 June 2023

#### **Bioinformatics Workshop by Bio2Bio WG (12:00 – 16:00)**

This workshop, for 5-20 early-career researchers, is designed to introduce participants to computational tools that enable a better and more reliable design of synthetic biology projects by improving the visualisation of DNA sequences and simulating wet-lab workflows related to cloning, DNA digestion, PCR and protein expression. Participants of the workshop will be introduced to benchling, an on-line, free (for academic research) and user-friendly platform that can be accessed by any student or researcher with a University email account. This platform also enables collaboration between users by allowing the creation and sharing of common projects, files and libraries.

For more information, [see here a report](#) of a similar workshop held in 2022.

#### **Science Education for Youth Workshop (13:00 - 16:00)**

This workshop, for 20-30 early-career researchers, will address the UN Sustainable Development Goal 4 – Quality Education for All – discussing existing efforts to increase and improve education options around the world. In addition, it will provide space for participants to summarize their own research topics and contribute to the booklet “Inspiring Science Topics for Youth”.

Tuesday, 6 June 2023

#### **Plenary Panel I - Vaccine production in low- and middle-income countries (10:45 – 12:15)**

##### **Speakers**

Video greeting from Tedros Ghebreyesus (Director General, World Health Organisation)  
Agnès Binagwaho (Vice-Chancellor Emeritus of Global Health Equity University, Rwanda)  
Claude Muvunyi (Director, Rwanda Biomedical Centre)  
Goran Bandov (Professor of International Relations and Diplomacy, University of Zagreb, Croatia; GYA member)

##### **Moderators**

Luciana Balboa (GYA Member; Associate Researcher, CONICET, Argentina)  
Shymaa Enany (GYA Member; Professor of Microbiology and Immunology, Suez Canal University, Egypt)

##### **Panel Description**

Vaccine inequality costs lives and unmasks a long-standing problem: that some regions of the world are vulnerable and rely on others for life-saving science and technology. In Africa alone, a continent of 54 independent countries, 99% of vaccines are imported. The COVID-19 pandemic has inspired commitment to progress; the Africa CDC aims for Africa to manufacture 60% of vaccines needed on the continent by 2040. Challenges include cost and capacity of vaccine research and development, vaccine market fragmentation, and need for robust regulatory authorities. With the increasing risk of another pandemic occurring on a similar scale as COVID-19 on the horizon, prioritizing vaccine development and production in low- and middle-income countries is crucial to pandemic preparedness and public health. This panel will address national and international efforts and barriers to vaccine production in LMICs as well as ethical considerations.

## **Plenary Panel II - Technological innovations for solving global challenges: The role of young academics** (13:30 – 15:00)

### **Speakers**

Romain Murenzi (Executive Director of the World Academy of Sciences)  
 Jackie Kado (Executive Director of the Network of African Science Academies)  
 Masresha Fetene (Co-Chair, InterAcademies Partnership)  
 Farai Kapfudzaruwa (Research and Partnerships Manager, Future Africa)  
 Priscilla Kolibea Mante (Co-Chair of the Global Young Academy)  
 Eva Liliana Ujeneza (Co-Chair of the Rwanda Young Academy of Sciences)  
 Chandra Shekhar Sharma (GYA Member; past Chairperson of the Indian National Young Academy of Sciences)

### **Moderators**

Lahcen El Youssfi (GYA Member; Professor of Agro-biology and Natural Resources Management, Ibn Tofail University, Morocco)  
 Roula Inglesi-Lotz (GYA Member; Professor of Economics, University of Pretoria, South Africa)

### **Panel Description**

Technology ignites rapid transformation, which can be both a problem and a solution with respect to global challenges such as climate change, public health and biodiversity loss. Therefore continuing innovation and well-adapted use of technology are key to working towards solutions. Young scientists and researchers stand at the forefront of new and innovative technological research and development. Convened together in young academies, the voice of young researchers plays a key role in engaging communities to understand and support innovation, research and new technologies. This panel will focus on the actual and potential role of young academics in the drive towards sustainable technological applications to address global challenges.

## **Opening of GYA Activities Fair -Working Groups, Incubator Groups, Projects, Member Committees (15-16:00)**

Opening by Monika Kedra & Sri Fatmawati, 2022/23 EC portfolio co-leads for the Activities Groups

Existing GYA Activities Groups will present themselves with a poster at the Fair. This will be an excellent opportunity to show group's current activities to fellow GYA members and guests, and to recruit new members for the various groups! Posters will then stay on the walls for the duration of the AGM (until Thursday evening) and will serve as "anchor points" for people to come together in front of a poster and get to know the group. Posters will have QR codes to take interested new members directly to the sign-up page on the GYA website.

As part of the Poster Fair Opening, the GYA Rainbow working group will present its poster exhibition portraying LGBTQ+ scholars.

Wednesday, 7 June 2023

[agm.globalyoungacademy.net](https://agm.globalyoungacademy.net)

**Twitter: #gyagm2023**

### **Plenary Panel III – A global perspective towards technological innovations: Think globally but tackle local challenges? (10:00 – 11:30)**

#### **Speakers**

Hon. Paula Ingabire (Minister of ICT and Innovation, Rwanda)  
 Wilfred Ndifon (Chief Scientific Officer, African Institute for Mathematical Sciences, Rwanda)  
 Neil Guerrero Gonzales (GYA Member; Vice Chancellor, Universidad Nacional de Colombia)  
 Sylvie Mucyo (Vice Chancellor, Rwanda Polytechnic)

#### **Moderators**

Natalia Kurcikova (Professor of Early Childhood and Development, University of Stavanger, Norway / Open University, UK)  
 Jude Kimengsi (Associate Professor of Geography, The University of Bamenda, Cameroon)

#### **Panel Description**

Ecological laws indicate that everything is interconnected. Today, it is especially difficult to isolate environmental challenges from global challenges, yet existing interlinkages are not fully appreciated even in scientific and public circles. For instance, global climate change is linked to deforestation and industrialization in some parts of the world, and this challenge affects industrialized countries with high greenhouse gas emissions differently than it affects resource-poor dependent communities. Addressing global challenges requires that at multiple scales, interventions should deal with the interconnectedness of the earth's subsystems as well as human behaviour, societal and cultural conditions. How can technology and innovation support solutions starting at the local level, but with a global view?

### **Plenary Panel IV – A global perspective towards technological innovations: Engaging youth for addressing challenges of humanity (10:00 – 11:30)**

#### **Speakers**

Neil Geoffrey Turok (Founder of African Institute for Mathematical Sciences) *remote speaker*  
 Flávia Ferreira Pires (GYA Member; Professor of Anthropology at Federal University of Paraíba, Brazil)  
 Gaspard Twagirayezu (Minister of State at the Ministry of Education, Rwanda)  
 Erik Hansalek (Head of Division Cooperation with Africa and the Middle East, German Federal Ministry of Education and Research)  
 Yoslan Nur (Programme Specialist, UNESCO National Focal Point Rwanda)

#### **Moderators**

Alma Cristal Hernandez Mondragon (Visiting Professor, National Polytechnic Institute, Mexico) (GYA member)  
 Daisy Chioma Onyige (Professor of Sociology, University of Port Harcourt, Nigeria) (GYA member)

#### **Panel Description**

Since the turn of the century, technological progress has been a key driver of improvements in incomes and standard of living: Advances in areas as diverse as artificial intelligence (AI), nanotechnology, autonomous systems, genetic engineering, pharmacogenomics, and renewable energy have the potential to significantly address societal

needs and challenges in every country, regardless of development level. Undeniably, the innovative potential of youth, combined with the power of technology, is already proving to be crucial in achieving the UN Sustainable Development Goals. Today, young people are actively contributing to the creation of new jobs, economic empowerment of vulnerable groups, the promotion of better health systems, addressing climate change and access to inclusive and quality education. Innovative companies like Zipline (drones supporting health Science in remote locations), TYKN (a digital identity management system) RecLeb (Recycle the Smart Way) are just few examples that is impacting humanity positively. However, substantial numbers of youth in low-income countries lack digital or technology access; just one of the challenges to engaging the world's youth in science and technology. This panel will address challenges, the role of universities, young scientists and academies in developing sustainable solutions.

*Thursday, 8 June 2023*

### **Scientific Publishing: A global perspective from early-career researchers on open access dissemination of scientific discovery & data sharing (09:00 – 10:30)**

#### **Workshop Description**

This workshop will present a global perspective on open publishing and will include presentations by leaders in the open access movement. Open access publishing describes practices through which research products are made freely available online. For early career researchers, building a strong reputation in research and sharing and disseminating research findings to a wide audience can be challenging. In principle, open access could help to build trust in science and promote equitable and inclusive science by making research more accessible to both researchers and the public. However, different regions of the world have varied in their approaches to shifting the cost of access to scientific literature from the reader to scientists, research institutions, or national governments. These approaches have different implications for reader access, researcher visibility, and financial sustainability.

The workshop will consist of two sessions that address the current state of open access publishing and aims to empower a diverse community of early career researchers to shape the future of open access.

#### **Session 1: The State and Future of Open Access Publishing**

##### **Confirmed Speakers**

Eugène Mutimura (Executive Secretary of Rwanda's National Council for Science and Technology)  
Benjamin Stewart (Researcher and Project Manager at the German Institute of Development and Sustainability)  
Luciana Balboa (Institute of Experimental Medicine CONICET, Argentina; GYA Member)  
Chandra Shekhar Sharma (Indian Institute of Technology Hyderabad; GYA Member)

##### **Moderator**

Stephanie Jurburg (Helmholtz Center for Environmental Research, Germany; GYA Open Science WG Co-lead)

#### **Session 2: Three Models of Open Access**

##### **Speakers**



Magdalena Skipper (Editor in Chief, Nature)  
Emily Chenette (Editor in Chief, Public Library of Science ONE)  
Roseline Dzekem Dine (eLife Ambassador)

#### **Moderator**

Abel Polese (Dublin City University, Ireland; GYA Alumni)

### **Science Advice - Introductory Workshop (09:00 – 10:30)**

#### **Speakers**

Christian Acemah (INGSA Africa, Executive Secretary of the Uganda Academy of Sciences)  
Alma Hernández-Mondragón (GYA, Executive Committee Member)  
Markus Prutsch (Principal Researcher and Administrator, Directorate-General for Internal Policies of the Union, European Parliament; GYA Science Advice Working Group Co-Lead)  
Yangyang Cheng (Yale Law School, Research Scholar in Law and Fellow, Paul Tsai China Center) *remote speaker*  
David Mair (Head of Unit, Joint Research Center, European Commission) *remote speaker*

#### **Moderator**

Laura Zimmermann (University of Georgia, USA; GYA Science Advice Working Group Co-Lead)

#### **Panel Description**

COVID-19, climate change, and economic development are just a few examples of complex national, regional and transnational challenges facing policymakers and the world community in both developing and developed countries. Effective strategies to address these pressing issues increasingly require detailed technical knowledge as well as bringing together experts from multiple disciplines with the institutional, political and economic constraints that policymakers face. Science Advice, also referred to as Scientific Policy Advice, describes the processes, mechanisms and best practices of interactions between researchers and policymakers to support and facilitate informed policy-making. While this requires diverse expertise and input, young voices are typically underrepresented in science advice and their barriers to entry seem high. This workshop focuses on raising awareness about science advice by providing an overview of important underlying concepts and issues of “scientific policy advice” and offering a forum for exchange, which will be facilitated by external experts as well as GYA members.

### **Science Advice – Advanced Session (16:30 – 18:00)**

The advanced workshop on science advice organized by the [GYA Science Advice working group](#) will discuss international science advice examples, with a focus on the COVID-19 pandemic and the impact of the pandemic response on trust in science. Science Advice working group co-leads and other GYA members will participate, alongside invited guests, who will share their experiences and reflect on the role of science advice in addressing global issues. The session aims to stimulate an open discussion on the opportunities and challenges of science advice, and prior participation in the introductory session during the AGM is not required.

Kick-off presentations on “Science Advice in a time of crisis” (Binyam Sisay Mendisu, INGSA) and “COVID-19 – a catalyst for trust or distrust in political science advice?” (Markus J. Prutsch, European Parliament)

No registration needed – just join us in Kigali on the day.

*Friday, 9 June 2023*

### **Highlights and achievements from selected GYA Activities Groups (09:00 – 10:30)**

This 90-minutes session will highlight specific outcomes and finished projects by the various GYA Activities Groups over the past year, to acknowledge the work they have done and what they have achieved. This session will show the breadth and quality of GYA work, will provide information about the groups to interested incoming members, and will share lessons learned and best practices with the other GYA groups, thereby helping the GYA to learn and grow as an organization.

Five to six groups, who have finalized a particular project in the past 12 months, will give a short presentation, followed by a Q&A session.

The following groups will present their work:

- The Trust in (Young) Scientists SCISO project (Sandra Lopez)
- Young Researchers and the COVID-19 Pandemic (Paulina Carmona-Mora)
- GloSYS LAC (Nadia De León)
- Science Leadership workshop in LAC (Paulina Carmona-Mora)
- The Science Advice Resource Centre (Felix Moronta)
- Current work by the Scientific Excellence working group (Yensi Flores Bueso & Carlo d'Ippoliti)

Session moderator: [Monika Kedra](#)

### **Pandemic Preparedness Workshop (16.30 – 18.00)**

#### **Accelerating pandemic preparedness for climate change**

Pandemics and climate change are intertwined. In the face of further climate change, we can improve health systems globally by choosing to be prepared for pandemics. The “Accelerating pandemic preparedness for climate change” workshop will involve 10-30 health or climate change professionals and early-career researchers. At the workshop, eight members of the GYA will discuss how pandemic preparedness should be developed concerning climate change using the Pecha Kucha presentation format. During the workshop, participants will have the opportunity to contribute to an upcoming manual on the topic. Requests for contributions to the manual will be available online during the workshop.

Organised by the GYA [Global Health working group](#).

See the [AGM and Conference website](#) for more information about funders and partners and additional information about the conference.