



Women in Experimental Sciences, Leadership and Sustainability

Humboldt Kolleg, German University in Cairo, 2-4 June 2025

Agenda

Sunday 01-06

Evening

Arrival of guests to residence in Cairo

Monday 02-06

9- 10 AM

Arrival and Registration of Participants (C1.0)

10-10:10 AM

Performance by **GUC Music Ensemble**

10:10-10:50 AM

Opening and Welcome words



Prof. Ashraf
Mansour, AvH
alumnus, Chairman
of BoT of GUC



Prof. Yasser
Hegazy,
President of GUC



Dr. Wiebke
Bachmann,
Director of DAAD



Prof. Gina Elfeky,
President of ASRT

10:50–11:10 AM

Keynote Speech

“Women in Experimental Sciences, Leadership, and Sustainability”

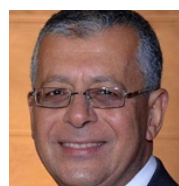


Prof. Rasha Hanafi,
GUC, AvH alumna,
Conference Chair

11:10 AM–11:40 PM

Plenary Lecture

“Genotyping the Ancient Royal Egyptians”



Prof. Yehia Gad,
National Research
Center, Egypt

11:40– 12:10 PM

Coffee break and networking

12:10– 2:00 PM

Keynote speeches



Prof. Gina Elfeky,
President of ASRT,
Egypt

“Insights into female role in the progress of the Egyptian academy of Science, research and technology”



Prof. Mohamed
Farag, AvH
alumnus, Cairo
University

“How do tiny titans shape our lives? Metabolomics to Decode for Food Gut Interactions”



Prof. Odeku Oluwatoyin, AvH Ambassador Scientist, University of Ibadan, Nigeria

Empowering Women in STEM: Driving Innovation and Sustainability in Life Sciences”

2:00–3:00 PM

Lunch and networking

3:00–5:00 PM

Seminar and Panel Discussion

“An insight into methods of evaluation of scientific research and productivity” in collaboration with the Egyptian Association for Evaluation (C1.0).



Prof. Mohamed Elfouly, NRC Head of the Association of Egyptian AvH alumni



Prof. Mohamed M. Hashem, Former President of the National Research Centre.



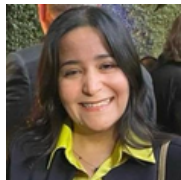
Prof. Mahmoud M. Sakr, Former President of ASRT



Prof. Adel El Beltagy, Former Minister of Agriculture

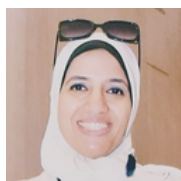


Prof. Ashraf El Araby, President of Institute of National Planning



Dr. Nehal
Ramadan, National
research center,
Egypt

Parallel Session: Training for all junior researchers on implementation of metabolomic studies starting from data collection and ending to pathway generation.



Dr. Radwa Elakkad,
National research
center, Egypt

The training will use 2 case studies:

- Metabolomic tools for natural products' profiling
- Multi-omics in archaeology and archaeobotanical remains

(. **location: H8**)

5:00–6:30 PM

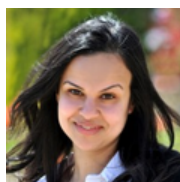
Keynote talks

By Women AvH alumni and researchers in technical themes of the Conference



Prof. Heba
Handoussa, GUC,
AvH fellow

“Insights on the Transformation of Conventional Foods into Health Promoters/Disease Preventers”



Prof. Reham
Abdelkader, GUC

“From Powerhouse to Therapeutic Target: Mitochondria in Breast Cancer and the Future of Women’s Health



Prof. Samar Azab,
AvH alumna, Ain
Shams University,
Egypt

“Pharmacological Implementation of Monoclonal Antibodies in Preclinical Models”

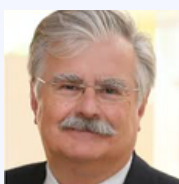
6:30– 9:00
PM

Dinner (*by invitation*)
Hanging Posters (C1.0)

Tuesday 03–06

9:00–11:00
AM

Session 1: Progress in Drug Discovery



Prof. Stefan
Laufer, University
of Tübingen,
Germany

“Academic Drug Discovery:
Fiction, Facts or Fantasy? - The
Tübingen Center for Academic
Drug Discovery”



Prof. Mohamed
Gad, GUC

“25 years journey with
gasotransmitters”



Prof. Ashraf Abadi
AvH alumnus, GUC

“Expanding the Therapeutic
Landscape of
Phosphodiesterase 5 Inhibitors
Beyond Erectile Dysfunction”



Prof. Maria Parr,
Freie Universität
Berlin, Germany

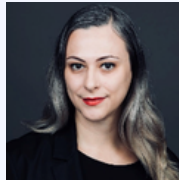
“Signs of Doping or of Having
Eaten Steak? Evidence of use of
the muscle-building drug
clenbuterol in athletes” (**online**)

11:00–11:30
PM

Coffee break and networking

11:30–1:30 PM

Session 2: Progress in Omic Studies



Prof. Alessandra Sussulini, AvH alumna, Universidade Estadual de Campinas, Brazil

“Deciphering the biochemistry of neuropsychiatric disorders and natural psychedelics through metabolomics”



Prof. Sameh Magdeldin, 57357 Children Cancer Hospital, Egypt

“Unlocking Cancer’s Blueprint using state of art mass spectrometry”



Prof. Michael Lämmerhofer, University of Tübingen, Germany

“Lipidomics in support of drug discovery and clinical profiling”



Prof. Nabila Hamdi, GUC

“Precision Genomics in ALS: toward personalized Neuromuscular Medicine”

1:30–3:30PM

Session 3: Biotechnology and Sustainability in focus (C1.0)



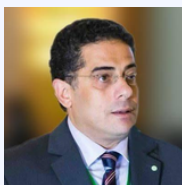
Prof. Mahmoud
Bahgat, AvH
alumnus, ASRT

“Efforts of the National Program for Biotechnology and Genetic Engineering to Contribute to Egypt's Development”



Prof. Abdelfattah
Badr, AvH alumnus,
Helwan University,
Egypt

“Conservation of Medicinal Plants in Arid Environment for Sustainable Use in Production of Pharmaceutically Bioactive Substances” (**online**)



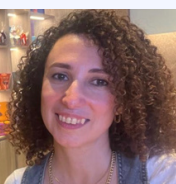
Prof. Moemen
Sayed Hanafy, AvH
alumnus, National
Research Center,
Egypt

“Biotechnology-Driven Enhancement of Bioactive Compounds in Plants”



Prof. Mohamed
Barakat, AvH
alumnus, Tanta
University, Egypt,
Illinois Institute of
Technology, USA

“Metal Sulfides Nanoparticles Wrapped by Reduced Graphene Oxide Sheets for Green Hydrogen Production in Alkaline Electrolyte” (**online**)



Dr. Manar Mansour,
GUC

“The role of biotechnology in modern diagnostics, a case study”

Parallel Session: Training to Junior Researchers by Elsevier (H12):

Leveraging AI in Research

- The evolution of technology in research
- Elsevier principles for safeguarding AI users
- Research discovery using Elsevier AI tools
- Online Demo
- Q&A

3:30– 4:30PM

Lunch and networking

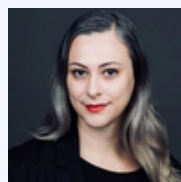
4:30– 5:15 PM

Panel Discussion:

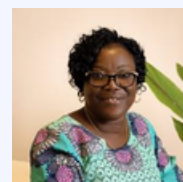
Women in Experimental Sciences, Leadership and Sustainability: Challenges and Opportunities for women researchers in North Africa, South Africa, Germany, and Latin America and Shining Stars of Female GUC Alumni



Prof. Amira Abdel Motaal, President of DAAD Verein, Egypt



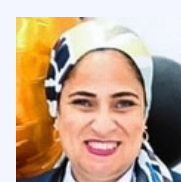
Prof. Alessandra Sussulini, AvH alumna, Brazil



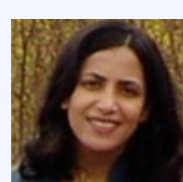
Prof. Odeku Oluwatoyin, AvH alumna, Nigeria



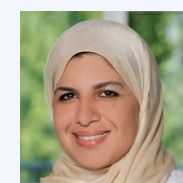
Prof. Heba Handoussa, AvH alumna, Egypt



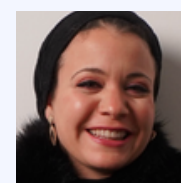
Prof. Rasha Hanafi, AvH alumna, Conference Chair



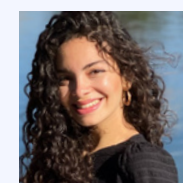
Prof. Nadia Elgamel, AvH alumna, Egypt



Dr. Amira Metwally, GUC alumna, Egypt



Dr. Sara Hegy, GUC alumna, Egypt



Dr. Floriane Faragallah, GUC alumna, Egypt

5:15–6:30 PM

Poster session (C1.0)
For Junior Researchers

An award for best poster will be announced in the Closing Ceremony.

Abstracts can be checked in the e-booklet.

6:30–8:30 PM

Dinner *(by invitation)*

Wednesday 04-06

**9:00 AM-
12:00 PM**

Oral presentations (C1.0)

For Junior Researchers (15 min)

An award for best oral presentation will be announced in the Closing Ceremony.

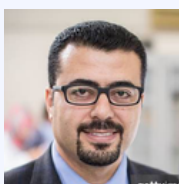
Abstracts can be checked in the e-booklet.

**12:00-12:30
PM**

Coffee break and networking

**12:30-2:30
PM**

Session 4: Bioanalysis and Cheminformatics in focus



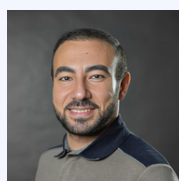
Prof. Sami Eldeeb,
University of
Braunschweig,
Germany, AvH
alumnus

“Microscale thermophoresis as a sustainable tool to study bimolecular interactions”



Prof. Tamer
Ibrahim, AvH
alumnus,
University of Kafr
Elsheikh, Egypt

“Cheminformatics Applications in Drug Design”



Dr. Mohamed
Hamed, GUC

“Computational Revolution in Drug Discovery: Bioinformatics & Chemoinformatics Perspectives”

2:30– 3:30 PM

Lunch and networking

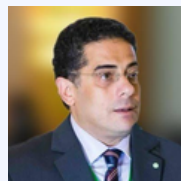
3:30– 5:30 PM

Session 5: Funding opportunities



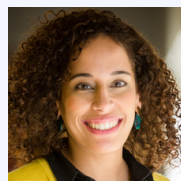
Assoc. Prof. Ebaa Elhossary, AvH Ambassador Scientist

Funding and Sponsorship opportunities at the Alexander von Humboldt foundation



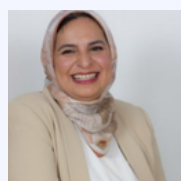
Prof. Moemen Sayed Hanafy, National Research Center

Overview of the Egyptian Association of Alumni to the Alexander von Humboldt foundation



Mrs. Hoda El Mahgoub, Head, Cairo Liaison, Freie Universität Berlin

Funding and Programs at Freie Universität Berlin, Germany



Dr. Rana Refaey, ASRT

Funding opportunities at Academy of Scientific Research and Technology

5:30–6:30 PM

Wrap up, Recommendations, Best poster/ Best Oral Presentation Awards for junior Researchers

6:30–9:00 PM

Gala Dinner and GUC Music Ensemble
Location: D-Fountain, GUC

Thursday 05–06

Morning

Check out and departure of guests from residence

Conference E-Booklet



Conference Website

<https://www.guc.edu.eg/en/research/humboldt2025/>

Conference Chair

rasha.hanafi@guc.edu.eg