



# Women in Experimental Sciences, Leadership and Sustainability

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

## Agenda

### Sunday 01-06

#### Evening

Arrival of foreign guests to residence in Cairo

### Monday 02-06

#### 9- 10 AM

Arrival of participants to GUC and Registration (location: C1.0)

#### 10-10:50 AM

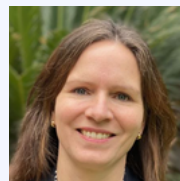
### Opening and Welcome words GUC Music ensemble



**Prof. Ashraf Mansour**  
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

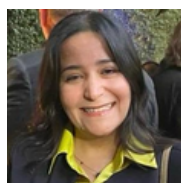
**3:00–5:00 PM**

## Seminar and Panel Discussion



Prof. Mohamed  
Elfouly  
National Research  
Center  
Head of the  
Association of  
Egyptian AvH  
alumni

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



Dr. Nehal  
Ramadan, National  
research center,  
Egypt

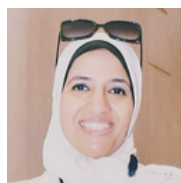
### Parallel Session: Training for all junior researchers on

implementation of metabolomic  
studies starting from data  
collection and ending to pathway  
generation

The training will use 2 case  
studies:

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

(location: H8)



Dr. Radwa Elakkad,  
National research  
center, Egypt

**5:00–7:00 PM**

### **Keynote talks**

By Women AvH alumni 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. Samar Azab, AvH alumna, Ain Shams University, Egypt**

“Pharmacological Implementation of Monoclonal Antibodies in Preclinical Models”



**Prof. Majda Sekkal, AvH alumna, University of Sidi-Bel-Abbes, Algeria)**

“DFT calculations in predicting the bioactivity of carbohydrate derivatives”

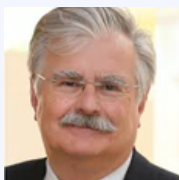
**7:00– 9:00 PM**

**Dinner + Hanging Posters for Junior Researchers (C4.123)**

**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**

11:30–1:00 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”

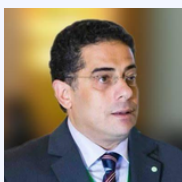
1:00–3:00PM

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



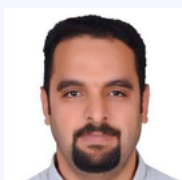
Prof. Abdelfattah  
Badr, AvH alumnus,  
Helwan University,  
Egypt

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



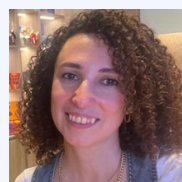
Prof. Moemen  
Sayed Hanafy, AvH  
alumnus, National  
Research Center,  
Egypt

“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 (H8):

### 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

**3:00– 4:00PM**

### Lunch and networking

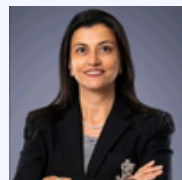
**4:00– 5:00 PM**

### Panel Discussion:

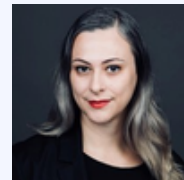
Women in Experimental Sciences, Leadership and Sustainability: Challenges and Opportunities for women researchers in North Africa, South Africa, Germany, and Latin America.



Prof. Hilde Spahn-Langguth,  
Germany



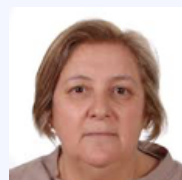
Prof. Amira Abdel Motaal, President  
of DAAD Verein,  
Egypt



Alessandra Sussulini, AvH  
alumna, Brazil



Prof. Rasha Hanafi,  
AvH alumna,  
Conference Chair



Majda Sekkal, AvH,  
alumna, Algeria



Prof. Odeku Oluwatoyin,  
AvH alumna, Nigeria



Nadia Elgamel,  
AvH alumna, Egypt



Heba Handoussa,  
AvH alumna, Egypt

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**5:00–6:30 PM**

**Poster session**

**For Junior Researchers** in 1 of the themes of the 5 sessions. Best poster award will be given during the closing ceremony based on evaluation of senior professors to the posters

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**6:30–8:30 PM**

**Dinner**

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## Wednesday 04-06

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

### Oral presentations

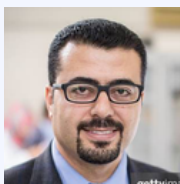
**For Junior Researchers** (15 min) in 1 of the themes of the 5 sessions. An award for best oral presentation will be announced in the closing ceremony based on feedback of senior researchers.

**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”



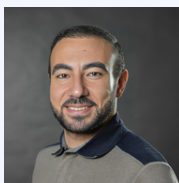
Prof. Reham  
Abdelkader, GUC

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



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**

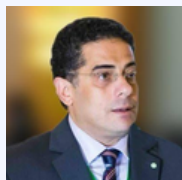
**3:30– 5:30  
PM**

## Session 5: Funding opportunities



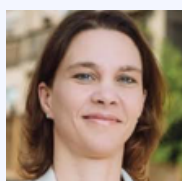
Assoc. Prof. Ebaa  
Elhossary, AvH  
Ambassador  
Scientist

Funding and Sponsorship  
opportunities at the Alexander  
von Humboldt foundation



Prof. Mohamed  
Elfouly, Prof.  
Moemen Sayed  
Hanafy

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



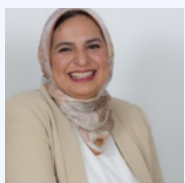
Mrs. Irene El-  
Khorazaty

Funding and Programs at  
Philipps-Universität Marburg,  
Germany



**Mrs. Hoda El Mahgoub, Head of Regional Cairo Liaison office, FU 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 foreign guests**