



# 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  
GUC President



Dr. Wiebke  
Bachmann  
Director of DAAD



Prof. Gina Elfeky,  
President of ASRT

**10:50–11:15 AM**

## **Keynote Speech**

“Women in Experimental Sciences, Leadership, and Sustainability”

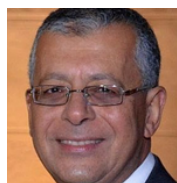


**Prof. Rasha Hanafi,**  
GUC, AvH alumna,  
Conference Chair

**11:15 AM–12:00  
PM**

## **Plenary Lecture**

“Genotyping the Ancient Royal Egyptians”



**Prof. Yehia Gad,**  
National Research  
Center, Egypt

**12:00– 12:30 PM**

## **Coffee break and networking**

**12:30– 2:00 PM**

## **Keynote speeches**



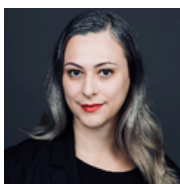
**Prof. Gina Elfeky,**  
President of ASRT,  
Egypt

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



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

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



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

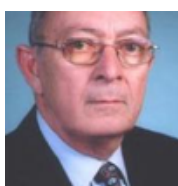
“Deciphering the biochemistry of neuropsychiatric disorders and natural psychedelics through metabolomics”

2:00–3:00 PM

## Lunch and networking

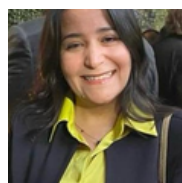
3:00–5:00 PM

## 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

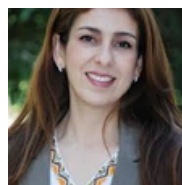
### **Parallel Session: Training for all junior researchers** on

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  
Lafer, University  
of Tübingen,  
Germany

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



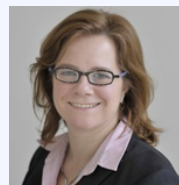
Prof. Mohamed  
Gad, GUC

“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. Mohamed  
Farag, AvH  
alumnus, Cairo  
University

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



**Prof. Sameh  
Magdeldin, 57357  
Children Cancer  
Hospital, Egypt**

“Proteomics in cancer”



**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)**



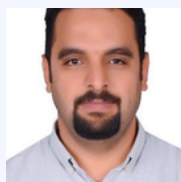
**Prof. Abdelfattah  
Badr, AvH  
alumnus, Helwan  
University, Egypt**

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



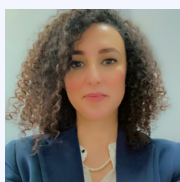
**Prof. Moemen  
Sayed Hanafy, AvH  
alumnus, National  
Research Center,  
Egypt**

“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”

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## 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**

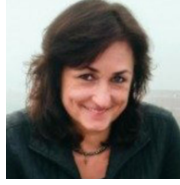
### Panel Discussion:

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

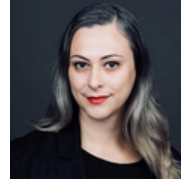
*Moderated by Prof. Rasha Hanafi*



**Moderator:** Prof. Rasha Hanafi, AvH alumna, Conference Chair



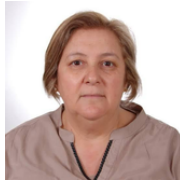
**Prof. H. Spahn-Langguth**  
(Germany)



**Alessandra Sussulini (AvH,**  
**Brazil)**



**Prof. Odeku Oluwatoyin (AvH,**  
**Nigeria)**



**Majda Sekkal (AvH,**  
**Algeria)**



**Nadia Elgamel**  
**(AvH, Egypt)**



**Heba Handoussa**  
**(AvH, 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

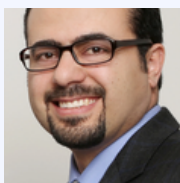
**For Junior Researchers** (15 min) in 1 of the themes of the 5 sessions. An award for best oral presentation will be announced in the closing ceremony based on feedback of senior researchers.

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”



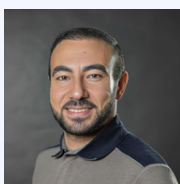
Prof. Reham  
Abdelkader, GUC

“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”

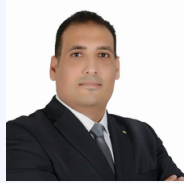
2:30– 3:30 PM

## Lunch and networking

3:30– 5:30  
PM

### Session 5: Funding opportunities

AvH funding opportunities



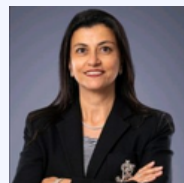
**Assoc. Prof. Ebaa Elhossary, AvH Ambassador Scientist**

Overview of the Egyptian Association of AvH Alumni



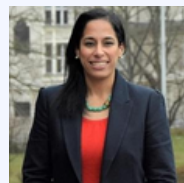
**Prof. Rasha Hanafi, Board Member of the Egyptian Association of AvH Alumni**

DAAD funding opportunities



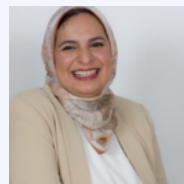
**Prof. Amira Abdelmotaal, DAAD Verein president,**

Cairo Liaison offices



**Mrs. Hoda Elmahgoub, Cairo Liaison office**

ASRT funding opportunities



**Dr. Rana Refaey, ASRT**

**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**

## **Thursday 05–06**

**Morning**

**Check out and departure of foreign guests**