## Session One: Introductory Overview

**Description:** This session aims to provide an overview on Ethics in the Life Sciences Research Concept from the Arab perspective.

- **Welcome and Overview on the Workshop**
  
  **Yousra Sobeih,** Head of Scientific Activities Section, Center for Special Studies and Programs, Bibliotheca Alexandrina (Egypt)

  **Description:** Orientation on the workshop program and the expected outcomes.

- **On Ethical Principles in Medicine, Life Sciences and Associated Technologies**
  
  **Mohammad Hamdan,** TWAS Vice-President for the Arab Region; Senator in the Upper House of Jordan’s Parliament; and Senior Advisor, Arab Open University-AOU (Jordan)

## Session Two: Research Ethics: Institutional Review Board (IRB)

**Description:** The session will provide a comprehensive overview on Institutional Review Board (IRB) and its functional framework, via exploring what is IRB?, what are the IRB responsibilities?, What power the IRB has?, How the IRB differs from one field to another or from institution to another?, and how to deal with the IRB results/ recommendations?

- **Maha Ghanem,** Professor of Forensic Medicine and Clinical Toxicology, Faculty of Medicine, Alexandria University and Chairman of Medical Ethics Committee- Faculty of Medicine, Alexandria University (Egypt)
**Session Three: Research with Dual Use Potentials**

*Description:* In this session, the participants will be introduced to what is known as Research with Dual Use Potentials, and have better understating of it. They will also gain an overview on real cases for how research results could be misused. Through the provided case studies, the participants will be able to recognize the importance of communicating research results properly and the researcher moral responsibility for his/her research results.

- **Tarek El-Arabi**, Assistant Professor, Virology Unit, Department of Agricultural Microbiology, Faculty of Agriculture, Ain Shams University (Egypt)
- **Yousra Sobeih**, Head of Scientific Activities Section, Center for Special Studies and Programs, Bibliotheca Alexandrina (Egypt)

**14:00–15:30 Lunch break**

**Session Four: Publication Ethics: Publishing Research Results**

*Description:* The session aims to introduce the participants to the different reasons behind why we publish research results. The session will highlight the underlying principles of Publication Ethics, what to publish, do all research results should be published?. Also the session will familiarize the participants with the publishing process; how to start and move forward with publishing research results, where to publish, how to choose the scientific journal, what are the different publication types, what are Open access Journals, how to deal with data privacy and data protection in case of publishing in Open access Journals.

- **Ramy Aziz**, Professor and Chair, Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University (Egypt)
- **Mohammed Yahia**, Executive Editor, Middle East, Nature Publishing Group (Egypt)

**17:30–19:00 Tour of the Library of Alexandria**
# TWAS–ARO Young Scientists Training Program*
**Ethics in Life Sciences Research and Publications**  
26–27 November 2017  
Bibliotheca Alexandrina Conference Center, Multipurpose Hall

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| 10:30–12:00     | Session Five: Intellectual Property Rights | *Description:* The session will provide an overview of the main concepts of Intellectual Property Rights (IPR): patency, copyrights, the difference between, patency and copyrights. Also the session will shed lights on the means by which the researcher could successfully protect his/her research copyrights.  
*• Hala Essalmawi, Principal Attorney, and Intellectual Property Rights Expert, Bibliotheca Alexandrina (Egypt)* |                                                                                                    |
| 12:00–12:15     | Break                                      |                                                                                                                                             |                                                                                                    |
| 12:15–14:15     | Session Six: Plagiarism                    | *Description:* In this session, the participants will recognize what is meant by plagiarism, they will also be able to define and distinguish types of plagiarism, and how to cite properly.  
*• Ramy Aziz, Professor and Chair, Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University (Egypt)  
• Menat Zanaty, Assistant Researcher, Technical Office, Bibliotheca Alexandrina (Egypt)* |                                                                                                    |
| 14:15–14:45     | Coffee break                               |                                                                                                                                             |                                                                                                    |
| 14:45–16:00     | Session Seven: Data Management             | *Description:* This session will critically explore what is meant by Fabrication and Falsification of Data and Data Slicing and the difference between them. Also, the session will define what is meant by Multiple and Simultaneous submissions, why Multiple and Simultaneous submissions are considered misconduct practices. Also the session will illustrate how these practices harm the research integrity and what implications it could have on the researcher, via exploring the consequences of each of these practices.  
*• Ramy Aziz, Professor and Chair, Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University (Egypt)* |                                                                                                    |
| 16:00–17:00     | Lunch break                                |                                                                                                                                             |                                                                                                    |

*This program is subject to change. The organizers reserve the right to alter session topics, timings and speakers.*
## TWAS–ARO Young Scientists Training Program*
### Ethics in Life Sciences Research and Publications
#### 26–27 November 2017
##### Bibliotheca Alexandrina Conference Center, Multipurpose Hall

### Monday, 27 November 2017

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<tr>
<td>17:00–18:30</td>
<td>Session Eight: Authorship and Conflicts of Authors</td>
<td><em>Description</em>: This session will provide an overview of authorship and conflicts of Authors, via exploring the authorship criteria and how to assign authors’ roles and obligations. The session will also introduce the best-regarded rules of sharing research material and dealing with copyrights issues. Besides, elaborating on the manuscript review process and how to deal with confidential data practical solutions of how researchers could deal with authorship conflicts.</td>
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<td>18:30–19:00</td>
<td>Open Discussion</td>
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<td>19:00–19:30</td>
<td>Closing and Certificates</td>
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- **Tarek El-Arabi**, Assistant Professor, Virology Unit, Department of Agricultural Microbiology, Faculty of Agriculture, Ain Shams University (Egypt)
- **Sawsan Elateek**, Assistant Professor, Department of Genetics, Faculty of Agriculture, Ain Shams University (Egypt)

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