

Science Week 2019 Program

April 22 – 24 2019

- * The program daily starts at 9:30 am.
- * Some activities will be concurrent.
- * For the workshops Better to register in the website before the event.
- * The activities in the program are divided into two main streams: Scheduled Program and Constant Program.
- * Although most activities are repeated every day, 1st day (*Scientist*) will have some focus on the undergraduate programs, 2nd day (*Pioneer*) concentrate on the internships, careers & employments, and 3rd day (*Scholar*) is more about research & graduate studies.

Scheduled Program

First Day April 22 – *Scientist* (Undergraduate Focus)

09:30 am – 10: 00 am Opening

- National Anthem
- *Science Week* Short Presentation
- Sponsors Honoring

10:00 am – 10:30 am Exhibition formal kick off

10:30 am – 10:50 am Department voice (Biology & Geology chairs)

10:50 am – 11:10 am Meet COS Alumni/ Figure Part 1

11:10 pm – 12:10 pm BSc Poster Presentation

12:10 pm – 12:30 pm Workshop *Hologram Modeling*

12:30 pm – 01:00 pm Break

01:00 pm – 01:15 pm *Perfume Making*

01:15 pm – 01:30 pm Meet COS BSc students

01:30 pm – 02:00 pm Sweet Science 1 “*Uranium and its Daughters in Our Life*”

02:00 pm – 03:00 pm Workshop “*The ants around us*”

02:00 pm – 03:30 pm Physics Competition (Parallel P).

03:00 am – 03:30 pm Roundtable Lab (undergraduates’ innovation thinking)

Second Day April 23 – Pioneer (Internship & Career Focus)

09:30 am – 09:50 am Department voice (Chemistry & Physics chairs)
10:00 am – 10:30 am Meet COS Alumni/ Figure Part 2 (Parallel P.)
10:30 am – 12:00 pm Internship Poster Presentations
11:00 am – 12:00 pm S. AlWatan – Tawazun Economic Council Centurion Prize (Parallel P.)
12:00 pm – 12:50 pm Talk “*Exploring Mars’ Atmosphere with ExoMars, EMM, and Beyond*”
01:00 pm – 01:30 pm Break
01:30 pm – 02:00 pm Sweet Science-2 “*The Mystery of Time: Is Time Travel Possible*”
02:00 pm – 02:15 pm Meet COS Senior students
02:15 pm – 03:00 pm Stakeholders Roundtable Lab. (*Labor-market innovation thinking*)
03:00 pm – 03:30 pm Workshop “*How to Make a Perfume/Hologram Modeling*” (Parallel P.)
03:00 pm – 04:00 pm Workshop “*Is Animal Conservation 'distant science' or is it around us?*”

Third Day April 24 – Scholar (Graduate Focus)

09:30 am – 10:00 am Department voice (Math & Graduate chairs)
10:00 am – 10:30 am Meet COS Alumni/Figure Part 3
10:30 am – 11:00 am Sweet Science talk 3 “*You are a Mathematician, so what?*”
11:00 am – 11:30 am Meet COS MS/PhD students
11:30 am – 12: 00 pm Round table discussion “*Why Graduate Study*”
12:00 pm – 02:00 pm Workshop “*Isolation of bacterial viruses and their beneficial applications in food safety?*”
12:30 pm – 01:00 pm Break
01:00 pm – 02:00 pm Graduate Poster Presentations (Parallel P.)
02:00 pm – 02:45 pm Science Creativity (*From Lab Experiment to Patent to Industry*)
02:45 pm – 3:15 pm *Schlumberger* workshop (university students)
03:15 pm – 3:30 pm Honoring & Closing

Constant Program

(A) Chemistry

- 1) Chemistry Café
- 2) Hologram demonstration
- 3) Virtual reality in chemistry
- 4) Digital laboratory experiment
- 5) Digital chemistry fun games
- 6) International Year of Periodic Table
- 7) Experiments videos
- 8) Be creative *Perfume making*
- 9) Contest on Periodic Table

(B) Geology

- 1) Mobile Lab
- 2) Minerals & rocks display
- 3) Fossils display
- 4) Drone & GPR
- 5) Testing tools
- 6) Geophysical equipment

(C) Biology

- 1) Molecular Visualization
- 2) Genetic Test: Bitter taste.
- 3) Electrophoresis of DNA WITHOUT DNA
- 4) Gold fish experiment
- 5) Diffusing experiment and surface area to volume ratio concept
- 6) Biology in 3D!
- 7) DNA extraction experiment from fruits (e.g. strawberry)
- 8) BioArt gallery- Biology as art...hidden beauty!
- 9) Biology Department Herbarium

(D) Physics:

- 1) Planetarium Shows

- 2) Astronomical Equipment
- 3) Physics Fun lab experiments (full-range).
- 4) Simulations/animations/videos running on a large TV screen (e.g. the recent direct imaging of a Black Hole).

(E) Math

- 1) Coloring Gam
- 2) Mathematical prediction (ex: weight of the average of the population)
- 3) The count is exact"
- 4) Models display

(F) External Exhibitors

1. Dubai Electricity & Water Authority
2. Ministry of Energy & Industry
3. Schlumberger
4. John Wiley & Sons Ltd. (WILEY)
5. Al Nawras Medi-Lab.Supplies
6. National Feed and Flour Production and Marketing LLC
7. TOTAL UAE Service
8. Forensic Lab - Abu Dhabi Police
9. Fujairah Natural Resources Corporation
10. Nahla Medical Supplies
11. Cengage Learning (EMEA)
12. Milab Scientific & Laboratory Equipment Trading LLC
13. Gulf Scientific Corporation
14. National Scientific Company Limited (NSC)
15. Arkan Building Materials Company
16. Al Muthathwerah Medical & Lab. Equip. Tr. Co. LLC
17. Nafees & Masoud for Medical Supplies Co. LLC
18. Lab Gulf Scientific Instruments LLC
19. Al Zahrawi Medical Services Co
20. Gulf Support Center Co. LLC
21. Gulf Bio Analytical
22. Integrated Gulf biosystems
23. Metrohm Middle East
24. BDH Middle East FZ-LLC