

המכללה האקדמית הדסה ירושלים

HADASSAH ACADEMIC COLLEGE JERUSALEM

April 1st - 5^t, 2012

Jerusalem, Israel

Organized by Hadassah College

Day 1: Sunday April 1st	
10:00 - 11:00	Introduction and welcome
11:00 - 14:00	Screens-To-Nature (STN) Field work Collecting plants around Jerusalem
14:00 - 14:30	Late Lunch
14:30 - 17:00	Plant extraction procedure Press plants Fill out forms
17:00 - 17:30	Coffee/ tea break
17:30 - 19:30	Hands-on Planaria regeneration Assay Hands-on Planaria Lethality Assay

Day 2: Monday April 2nd	
8:00 - 12:00	Screens-To-Nature (STN) Field work Collecting plants around Jerusalem
12:00 - 13:00	Lunch
13:00 - 16:00	Plant extraction procedure Press plants Fill out forms



רח' הנביאים 37, תיבת דואר 1114, ירושלים 91010

37 Hanevi'im St., P.O.Box 1114, Jerusalem 91010

טל: 02-6291973 פקס: 02-6248463 www.hadassah.ac.il

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16:00 – 16:30	Coffee/ tea break
16:30 – 17:30	Hands-on - Antifungal Assay
17:30 - 19:30	Hands-on - Anthocyanine Assay Results of Anthocyanine Assay Results of Planaria lethality Assay Adding MTT to Antifungal Assay
20:00	Dinner together

Day 3: Tuesday April 3rd	
8:00 – 10:00	Results of Antifungal Assay Hands- on Antibacterial Assay
10:00- 10:30	Coffee/ tea break
10:30 - 13:00	Hands-on Glucosidase and Glucosidase Inhibitor Assay + reading results
13:00 - 14:00	Lunch
14:00 – 16:30	Hands-on Antiprotozoa Assay
16:30-17:00	Coffee/ tea break
17:00 – 19:00	Hands-on Antioxidant Assay + reading results



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Day 4: Wednesday April 4th	
8:00- 9:00	Reading results Antibacterial Reading results Antiprotozoa
9:00 – 10:30	Hands-on roundworm Lethality Assay
10:30 – 11:00	Coffee/ tea break
11:00 – 13:00	Hands-on Protease and Protease Inhibitor Assay + reading results
13:00 -14:00	Lunch
14:00 – 16:30	Data base management
16:30 - 17:00	Coffee/ tea break
17:00 – 17:30	Plant pressing procedure continuation
17:30 – 19:00	Continue data base management

Day 5: Thursday, April 5th	
8:00 – 10:00	Reading results round worm Lethality Assay Reading results Planaria regeneration Assay
10:00 – 10:30	Coffee/ tea break
10:30 - 13:00	Summary of all STN results



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	Summary of all materials & methods Wrap up session, evaluations, questions
14:00	End of training



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Date: April 1-4, 2012

Location: Israel, Jerusalem and surrounding area

First International BioXplore Workshop

Summary: field work and laboratory work

Twenty five representatives from all Bio-Xplore partner organizations participated in the first international workshop held in Jerusalem Israel from April 1st through April 4th 2012.

Three participants arrived from **Hellenic Regional Development Centre (HRDC)** Greece, 3 from **Leitat** Spain, 5 from the **Biodiversity and Environmental Research Center (BERC)** in the Palestinian Authority and 14 from **Hadassah College Jerusalem**, Israel. The Israeli participants included 10 students who had already experienced an intense training workshop by Project Manager, Dr. Gili Joseph and have experience in both the laboratory and field work related to the BioXplore project, 2 botanists Dr Mina Faran and Mr. Dan Bolotin specialized in medicinal plants, Dr. Galina a lab technician and Dr. Gili Joseph.

The workshop started on Sunday April 1st at 10 AM. After a short overview and welcome, all participants began their field trip to collect plants for bio exploration – they were instructed on how to pick plant samples, catalog and photograph them as well as how to select which parts of the plant can be used for extraction. During the field trip 2 expert botanists guided the group to specific locations and plants. The ten Israeli students accompanied the other partners and guided them through the particular ‘field work forms’ showing them how to fill out the forms for each plant while demonstrating plant collection, and identification techniques. On the same day after returning from the field Dr. Gili Joseph with the aid of all the students taught the participants how to extract plant specimens, how to press them and how to do 2 out of 10 experiments to be done on the extracts. This first very busy and long day ended at 8 PM.

Activities of the second day- Monday April 2nd began at 8:00 AM and lasted till 10 PM. The day was similar to the first including collection of plant specimens in the field, returning to the laboratory for extracting the plants pressing them and learning more experiments. At the end of the second day after 2 long days the group enjoyed a joint dinner together.

The third and fourth days were all about learning the 10 different experiments to be done on all the extracts. The participants were trained in all the experiments as well as guided through the process of preparing and running workshops in their home countries.



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Overall the group succeeded to extract 100 samples during the workshop from all the plants collected. All plants were also photographed, dried out and documented. Ten experiments were done on each sample. Some of the results from those experiments were similar to the knowledge known by local healers and literature but some were new and only discovered by the BioXplore technology – STN screens.

In addition to learning new Bio-Xplore techniques, getting very exciting results, the workshop also enabled the group to get to know each other better continuing to build research and social ties among the partners.



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