

SESAME TRAVEL AWARD PROGRAM
Annual Reporting to the Professional Societies

Guidelines

The SESAME Travel Award Program is funded by a number of scientific societies.

SESAME is to provide those scientific societies providing resources for this Program with an annual report on the activities fully or partially funded from the Program.

This report is to be sent to the professional societies **no later than February 28** of the year that immediately follows the calendar year being covered by the report.

Reporting will consist of three sections, namely:

1. Section A - Overview: Report on the activities funded. This report is to be prepared using the enclosed template.
2. Section B – Awardees & Activities: Spreadsheet giving breakdown of expenditures and awardees. The sample format is enclosed.
3. Section C – Summary Financial Statement: A brief table providing contributions received, funds used, and remaining balance. The sample format is enclosed.

The enclosed formats should be used for each annual report to the contributing scientific societies.

SESAME TRAVEL AWARD PROGRAM

Form for Report on the Activities Fully/Partially Funded

N.B. With the exception of boxes VI and VII, which are only to be completed if applicable, each box in this form is to be completed.

Each box may be expanded to the size required.

I. Period covered by this report, i.e. starting/ending date: January, 1 2017 to December 31,2017

II. List of scientific societies that provided funds for the period covered by this report

Società Italiana Di Fisica
Int. Union of Pure and Applied Physics
Société Française De Physique
American Physical Society
European Physical Society
IOP Publishing / UK
Deutsche Physikalische Gesellschaft

III. List of training opportunities (i.e., meetings, schools, etc.) for which travel support was provided.

- a. The funds were used to support participation in the 15th SESAME Users' Meeting (Amman, 18th-19th December 2017) of scientists from the Members of SESAME. The program included general sessions on the status of SESAME, reports by the SESAME research staff as well as talks by the chair of the SUC, SESAME User Committee (Özgül Öztürk from Turkey), and by speakers from a number of laboratories, among them The Cyprus Institute, INFN, ESRF and ALBA. Two distinguished international speakers gave plenary lectures on the application of synchrotron based techniques on current materials issues: George Graham, Professor from the Department of Geological Sciences of the University of Saskatchewan, Canada gave a talk on "X-ray Absorption Spectroscopy: Applications, Promise and Potential" and Miguel A. G. Aranda from ALBA, Spain, gave a talk on "Quantitative Analysis of Cements by Synchrotron Radiation Techniques"
- Three thematic parallel sessions were organized.
- A) Life Sciences
 - B) Environment and Energy
 - C) Practical workshop on media engagement

Topics A and B were selected to illustrate the possibilities offered by the first four beamlines that will be in operation at SESAME, i.e. the XAFS/XRF, Infrared Spectromicroscopy, Materials Science and Macromolecular Crystallography beamlines and included presentations by the SESAME research team members, by partners in various project as well as by selected potential SESAME users. The

third parallel session, C, was organised in the framework of the OPEN SESAME project and was focused on the importance of an effective communication in Science and consisted in a practical workshop on media engagement.

- b. Awardees were selected considering:
- 1) Their CV
 - 2) The quality and relevance (with respect to SESAME PLANS) of the proposed title/abstract
 - 3) The age of the applicants (higher priority to young researchers)
 - 4) Their gender (having the goal of supporting no less than 30% of the less represented gender)
 - 3) The geographical distribution among the SESAME Members

IV. Overall assessment of the period under review:

- a. Percentage of funds used to support
- (i) women: 14 (34%)
 - (ii) early career scientists (35 years old or younger): 18 (44%)
 - (iii) physicists: 22 (54%)
 - (iv) chemists: 11 (27%)
 - (v) engineers: 2 (5%)
 - (vi) medical doctors: 1 (2%)
 - (vii) Archaeologists: 5 (12%)
- b. Impact of support from the scientific societies (i.e., total number of scientists supported, any other impact, etc.)
- The Program allowed 41 researchers from the SESAME Members outside of Jordan to receive support for participation in the Users' Meeting. This allowed potential SESAME users to present results obtained with Synchrotron Radiation or related laboratory techniques as well as to be informed on the most recent developments at SESAME (this was the first meeting after the starting of operations of the first beamline, XAFS/XRF), thus contributing to a lively and productive meeting.
- As mentioned above, 14 of the scientists having received support were women, i.e. about 34% of the total. Almost half (18) the researchers were in the early stage of their career (35 years old or younger), 22 were physicists, 11 chemists, 5 archaeologists and archaeometrists, 2 engineers and 1 medical doctor. It should be mentioned that "physics" and "chemistry" include also nano science and life science
- c. General conclusion or comments
- As in previous years, the SESAME Travel Award Program was essential to give scientists from the SESAME Members an opportunity to learn the capabilities which offered the SESAME and to interact with colleagues from different Members, with the SESAME Scientists, and with prominent scientists in the field, thus helping in fulfilling the SESAME mission. It is worth mentioning the slight change in the distribution of scientific disciplines of the participants (in the past more than half of the participants were physicists), corresponding to a broader interest in the Regional scientific community towards the potential applications of SESAME

d. Recommendations (*if applicable*)

V. Acknowledgement of scientific societies

- a. List those activities, meetings, etc. where support from scientific societies was acknowledged
15th SESAME User Meeting (18th-19th December 2017)
- b. Provide a description of acknowledgement (i.e., logos on meeting materials, acknowledgement statements, etc.)
The logos of the contributing societies are reported in the meeting webpage, together with the other sponsors of the meeting:
<http://old.sesame.org.jo/sesame/events/483-15th-sesame-users-meeting.html>
and on the attached program of the event.

VI. Reasons why funds provided for the period covered were not fully utilized (*to be completed if applicable*):

As shown in the financial statement, some of the funds from the professional societies were transferred to SESAME after November 2017 which did not give sufficient time to plan activities for which the funds could be utilized before the end of the year. Moreover, as the welcome additional professional societies partnering in the Program makes it possible to extend the learning and training opportunities for scientists from the SESAME Members beyond the annual Users' Meetings for which the Program's funds have traditionally been used, it was decided that for the greater visibility of the Program it would be best not to immediately utilize these additional funds for random disconnected requests for support, and to instead elaborate a coordinated plan for these additional opportunities. This is currently being done.

VII. Justification for request to carry over to following year funds not utilized during the period under review (*to be completed if applicable and if carry-over being requested*):

The funds carried over to the following year will be utilized for the increased learning and training opportunities for scientists from the SESAME Members for which it is said in Box VI above that a coordinated plan is being elaborated.

**Travel Cost Budget
15th SESAME USERS' Meeting**

Cyprus

Name	Lastname	Birth Date	Affiliation	Gender	Science Discipline	Travel Cost (US\$)	Accommodation (US\$)	Other Expenses (US\$)	Total Support (US\$)
Grigoria	IOANNOU	1989	The Cyprus Institute	f	Archaeology	\$340.00	141.24	167.50	\$648.74
Kirsi	LORENTZ	1973	The Cyprus Institute	f	Archaeology	\$459.00	141.24	111.00	711.2429

Egypt

Name	Lastname	Birth Date	Affiliation	Gender	Science Discipline	Travel Cost (US\$)	Accommodation (US\$)	Other Expenses (US\$)	Total Support (US\$)
Mahmoud	SAKR	1992	American University in Cairo - School of Sciences and Engineering - Department of Physics	m	Physics	\$356.00	141.24	139.25	636.4915
Neama	IMAM	1977	Egyptian Atomic Energy Authority	f	Physics	\$377.00	91.81	111.00	579.8079
Ahmed	EL-HUSSEIN	1978	Cairo University - Main Campus - National Institute of Laser Enhanced Science	m	Chemistry	\$407.00	91.81	111.00	609.8079
Abdallah	SHALTOUT	1970	National Research	m	Physics	\$373.00	91.81	111.00	575.8079
Mostafa	EBIED	1988	South Valley University	m	Physics	\$340.00	91.81	111.00	542.8079
Wael Awad	ABDELHADY	1982	Cairo University - Faculty of Science - Dept. of Physics	m	Physics	\$385.00	91.81	111.00	587.8079
Mostafa	ASHMAWY	1969	Nuclear and Radiological Regulatory Authority - Radiation Protection Department	m	Physics	\$448.00	91.81	111.00	650.8079
El Moataz Bellah	AHMED ABDEL MAGED	1992	Children's Cancer Hospital Egypt	m	Medical	\$356.00	91.81	111.00	558.8079
Ahmed	FARGHALY	1978	National Research Center	m	Physics	\$425.00	141.24	139.25	705.4915
Muhammad Ibrahim	MUHAMMAD	1993	Helwan University "Chemistry Department, Faculty of Science"	m	Chemistry	\$404.00	91.81	111.00	606.8079
Nermeen	ELBAKARY	1986	Egyptian Atomic Energy Authority	f	Physics	\$360.00	91.81	111.00	562.8079
Reda	ABDELHAM EED	1982	National Research Center (NRC)	m	Physics	\$395.00	91.81	111.00	597.8079
Amr	ABDELGHANY	1971	National Research Center (NRC)	m	Physics	\$386.00	91.81	111.00	588.8079
Yahia	SWILEM	1962	Zagazig University	m	Physics	\$352.00	91.81	111.00	554.8079
Abdelrahman Medhat	IBRHAIM	1986	Cairo University - Faculty of Science - Dept. of Physics	m	Physics	\$395.00	91.81	111.00	597.8079

Travel Cost Budget
15th SESAME USERS' Meeting

Israel

Name	Lastname	Birth Date	Affiliation	Gender	Science Discipline	Travel Cost (US\$)	Accommodation (US\$)	Other Expenses (US\$)	Total Support (US\$)
Roy	BECK	1975	University of Tel-Aviv - School of Physics & Astronomy	m	Physics	\$586.50	91.81	167.50	845.8051
Jan	GUNNEWEG	1939	The Hebrew University of Jerusalem - Department of Archeometry-Earth Science	m	Archaeology	\$460.00	141.24	111.00	712.2429

Iran

Name	Lastname	Birth Date	Affiliation	Gender	Science Discipline	Travel Cost (US\$)	Accommodation (US\$)	Other Expenses (US\$)	Total Support (US\$)
Maedeh	DARZI	1981	Isfahan University of Technology - Chemistry Department	f	Chemistry	\$658.00	137.71	111.00	906.7119
Alireza	GRAYELI KORPI	1981	Nuclear Sciences and Technology Research Institute in Iran	m	Physics	\$650.00	137.71	111.00	898.7119
Hamidreza	OVEISI	1981	Hakim Sabzevari University, Department of Materials & polymer Engineering	m	Chemistry	\$750.00	137.71	111.00	998.7119
Seyed Mohammada min	EMAMI	1970	Art University of Isfahan, Department of Conservation	m	Physics	\$727.00	137.71	111.00	975.7119
Nazanin	RAHIGHI	1988	Institute For Research in Fundamental Sciences (IPM)	f	Physics	\$565.00	137.71	111.00	813.7119
Ilia	DEHAGHANI	1993	Minister of Science Research and Technology	m	Physics	\$695.00	137.71	111.00	943.7119
Mahmoud	MIRZAEI	1980	University of Isfahan - Department of Chemistry	m	Chemistry	\$738.00	137.71	111.00	986.7119
Amir Sayid Hassan	ROZATIAN	1958	University of Isfahan - Department of Physics	m	Physics	\$750.00	211.86	167.50	1129.362

Travel Cost Budget
15th SESAME USERS' Meeting

Pakistan

Name	Lastname	Birth Date	Affiliation	Gender	Science Discipline	Travel Cost (US\$)	Accommodation (US\$)	Other Expenses (US\$)	Total Support (US\$)
Intikhab	ULFAT	1966	University of Karachi International Center for Chemical and Biological Sciences (ICCBS) Dr .Panjwani Center for Molecular Medicine and Drug Research (PCMD)	m	Chemistry	\$750.00	137.71	111.00	998.7119
Malik Shoaib	AHMAD	1984	University of Karachi International Center for Chemical and Biological Sciences (ICCBS) Dr .Panjwani Center for Molecular Medicine and Drug Research (PCMD)	m	Chemistry	\$650.00	137.71	111.00	898.7119
Sohaila	REHMAN	1960	Pakistan Institute of Nuclear Science & Technology (PINSTECH) - Chemistry Division - Directorate of Science	f	Chemistry	\$750.00	211.86	167.50	1129.362

Palestine

Name	Lastname	Birth Date	Affiliation	Gender	Science Discipline	Travel Cost (US\$)	Accommodation (US\$)	Other Expenses (US\$)	Total Support (US\$)
Ahmed	BASSALAT	1985	Najah National University (An-Najah National University)	m	Physics	\$270.00	91.81	111.00	472.8079
Jamal	GHABBOUN	1964	Bethlehem University, Physics Department	m	Physics	\$270.00	141.24	111.00	522.2429

Travel Cost Budget
15th SESAME USERS' Meeting

Turkey

Name	Lastname	Birth Date	Affiliation	Gender	Science Discipline	Travel Cost (US\$)	Accommodation (US\$)	Other Expenses (US\$)	Total Support (US\$)
Osman Murat	OZKENDIR	1973	Mersin University, Faculty of Technology, Energy Systems Engineering	m	Engineering	\$436.00	91.81	111.00	638.8079
Cigdem	KAYA	1990	Mersin University, Faculty of Technology, Energy Systems Engineering	f	Engineering	\$446.00	91.81	111.00	648.8079
Goksin	LIU	1989	Sabancı University	f	Physics	\$485.00	91.81	111.00	687.8079
Emine	SOKMEN	1979	Hitit University, Faculty of Letters, Department of Archaeology	f	Archaeology	\$438.00	91.81	111.00	640.8079
Dicle Dilara	AKPINAR	1991	Ege University, Graduate School of Natural and Applied Sciences, Department of Food Engineering	f	Chemistry	\$600.00	91.81	111.00	802.8079
Bahar	BAKAR	1991	Ege University, Graduate School of Natural and Applied Sciences, Department of Food Engineering	f	Chemistry	\$581.00	91.81	111.00	783.8079
Mehmet Bilgi	ER	1984	Middle East Technical University - Department of Archaeometry	m	Archaeology	\$435.00	91.81	111.00	637.8079
Guler	SOZGEN	1993	Ege University, Graduate School of Natural and Applied Sciences, Department of Food Engineering	f	Chemistry	\$600.00	91.81	111.00	802.8079
Ozgul	OZTURK	1976	Universität GHS Siegen - Dept. of Physics	f	Physics	\$1,796.00	141.24	167.50	2104.74
Total All Participants						\$21,644.50	\$4,763.42	\$4,889.98	31297.9

SESAME TRAVEL AWARD PROGRAM

Financial Statement for the Period 1 January to 31 December 2017

Date Operation	Description Operation	US\$	US\$
I. Funds carried over from 2016			27,438.48
01/01/17	Funds not utilized in 2016 and carried over to 2017 principally due to funds from the following professional societies having been received at the end of the 2016 calendar year (December 2016): - European Physical Society (US\$12,535.40) - Deutsche Physikalische Gesellschaft e.V. (US\$5,000.00)		
II. Funds received from professional societies in 2017			37,416.44
02/03/2017	Società Italiana Di Fisica	11,000.00	
02/07/2017	Int. Union of Pure and Applied Physics	4,980.00	
25/7/2017	Société Française De Physique	2,889.21	
28/11/2017	American Physical Society	4,995.00	
05/12/2017	European Physical Society	3,471.12	
10/12/2017	IOP Publishing / UK	5,081.11	
24/12/2017	Deutsche Physikalische Gesellschaft e.V	5,000.00	
TOTAL CREDITS AS AT 31/12/17			64,854.92
III. Expenditures in 2017			31,297.90
18-19/12/17	15 th Users' Meeting, 18-19 December 2017 – see Table breakdown of expenditures for detailed use of these funds	31,297.90	
TOTAL EXPENDITURES AS AT 31/12/17			31,297.90
IV. Difference between credits and debits			
31/12/17	Total credits		64,854.92
31/12/17	Total expenditures		31,297.90
RESULTING FUNDS NOT UTILIZED AS AT 31/12/17			33,557.02

Half of the funds provided by the professional societies in 2017 were transferred to SESAME between November and December, so it was not possible to utilize all the funds provided, and it is being requested to carry over to 2018 the funds not utilized at the date of 31 December 2017. Starting from 2018, funds will be used to support also initiatives other than the Users' Meeting.

Date: June 2, 2018

Signed by:



 Giorgio Paolucci
 SESAME Scientific Director



15th SESAME Users Meeting (18th – 19th December, 2017)
Gerasa Hotel, Amman, Jordan

Scientific Programme

1st Day: Monday, December 18th, 2017

8:30 – 9:30	Registration & Posters Hanging
9:30 – 10:30	Opening Session and Group Photo
10:30 – 11:00	Break and Posters Session
11:00 – 11:30	“Scientific Program Perspectives of SESAME” <i>Giorgio Paolucci</i>
11:30 – 12:00	“Towards User Access to SESAME: the SESAME User Committee (SUC)” <i>Özgül Öztürk</i>
12:00 – 12:30	“The Open SESAME EU project: progresses” <i>Edward Mitchell</i>
12:30 – 13:00	“Communicating on your terms - how you can achieve impact without dumbing down” <i>Christopher Jameson and Anthony Prideaux</i>
13:00-14:00	Lunch and Posters Session Lunch hosted by Jordan Atomic Energy Commission (JAEC) and Jordanian National Committee for SESAME
	PARALLEL SESSIONS
14:00-16:00	A. “SESAME IR Microspectroscopy Beamline for Multidisciplinary Science” <i>Gihan Kamel</i> “SESAME Macromolecular Crystallography Beamline Progress” <i>Hossein Khosroabadi</i> “Case studies on IR synchrotron applications: analysis of cystic fibrosis cell models and evaluation of the degradation process in artwork cross-sections” <i>Mariangela Cestelli Guidi</i> “Challenges and future of Synchrotron Infrared Beamlines” <i>Paul Dumas</i>
	B. “SESAME XAS/XRF Beamline Techniques and Applications” <i>Messaoud Harfouche</i> “SESAME Material Science Beamline Status” <i>Mahmoud Abdellatif</i> “Boron Displacement Determination in the Boron Substituted LiCrO ₂ Battery Cathode” <i>O. Murat Ozkendi</i> “In situ synchrotron X-ray powder diffraction for studying the role of induced structural defects on the thermoluminescence mechanism of nanocrystalline LiF” <i>Mostafa El Ashmawy</i>
	C. “Practical workshop on media engagement” <i>Christopher Jameson and Anthony Prideaux</i>
16:00-16:30	Break and Posters Session
16:30-17:15	“Quantitative Analysis of Cements by Synchrotron Radiation Techniques” <i>Miguel A. G. Aranda</i>
	USERS' SELECTED ORAL TALKS
17:15-19:00	“First experiments at SESAME synchrotron combining IR and XAFS/XRF techniques on archaeological hair, bone and teeth from the Eastern Mediterranean and the Near East” <i>Kirsi Lorentz, Gihan Kamel, Messaoud Harfouche</i>
	“Application of Raman Spectroscopy on Experimental Samples to study the behaviour of natural binders in archaeological Coptic Icons” <i>AbdelRahaman Medhat</i>
	“High resolution powder diffraction (μ -XRPD) using for characterization of early ancient glasses objects from Iran” <i>Seyed Mohammadamin Emami</i>
	“X-ray Crystallographic Study of Targeted Bioactive Compounds” <i>Ahmed F. Mabied</i> “Investigating the Valence Band Structure of (Ga, Mn)As” <i>Intikhab Ulfat</i>

2nd Day: Tuesday, December 19th, 2017

9:00 – 9:45	“X-ray Absorption Spectroscopy: Applications, Promise and Potential” <i>Graham George</i>
09:45-10:15	“Vi-SEEM EU Project” <i>Andreas Athenodorou</i>
10:15-10:45	Closing Session
11:00 SHARP	Departure to SESAME (Vouchers at the Registration Desk) * For the visit to SESAME, service buses will be waiting at the entrance of the Gerasa hotel. The buses will depart to SESAME site at 11:10 am. <i>Please, make sure to be present in front of the hotel entrance at least 5 minutes before the departure time. ACCESS TO BUSES WILL BE STRICTLY ALLOWED TO VOUCHERS' HOLDERS.</i>
12:00 – 13:00	SESAME Site Tour
13:00-13:30	Break
13:45 SHARP	Departure to Amman (for USERS)



Société Chimique de France

