



# UF Regional Report on International Activity: **North Africa and Western Asia**

2018/19 Academic Year

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## Value of Sponsored Activity in North Africa and Western Asia (By College)

College/Unit	Total Funding (\$)	Percent of Dollars to Region	Number of Awards
Dentistry	8,500	0.05	1
Education	-	0.0	1
Engineering	268,547	1.4	1
Institute of Food and Agricultural Studies	4,028,849	21.6	10
Journalism and Communications	1,950	0.01	1
Liberal Arts and Sciences	551,782	3.0	2
Medicine	1,958,955	10.5	8
Nursing	280,898	1.5	1
Pharmacy	1,020,629	5.5	3
Public Health and Health Professions	5,582,459	29.9	2
UF Graduate School	4,926,600	26.4	1
UF International Center	68,660	0.4	1
<b>TOTAL</b>	<b>\$18,697,829</b>	<b>100.00%</b>	<b>32</b>
<b>TOTAL UF</b>	<b>\$295,042,068</b>	<b>6.3%</b>	<b>594</b>

- Sponsored activity tied to North Africa and Western Asia is 6.3% of the value and 5.4% of the total number of projects at the University of Florida.

## Sponsored Activity in North Africa and Western Asia - Principal Investigators (By College)

College/Unit	Principal Investigator: "Project Title"	Countries
Dentistry	Katz, Joseph: "Research and educational funds for Wafaa El Said Ahmed Saleh"	Egypt
Education	De Jong, Ester: "University of Florida - Saudi Arabia Partnership for Education and Educational Reform (Project PEER)"	Saudi Arabia
Engineering	Scheffe, Jonathan: "H2 and Syngas Production from Two-Step Solar Thermochemical Catalytic CO2 Reforming of Qatari Natural Gas"	Qatar
Graduate School	Frierson, Henry: "Graduate Research Fellowship Program"	Australia, Austria, Brazil, Chile, Colombia, Denmark, Finland, France, India, Ireland, Japan, Republic of Korea, Mexico, Netherlands, Norway, Qatar, Singapore, Sweden

<b>College/Unit</b>	<b>Principal Investigator: "Project Title"</b>	<b>Countries</b>
Institute of Food and Agricultural Studies	Altpeter, Fredy: "Genome Editing in Sorghum for Improving Biofuel Production and Forage Quality"	Egypt
	Chaparro, Jose: "Evaluation and research of low-chill peach germplasm"	Morocco
	Dubeux, Jose: "Utilization of Opuntia spp. as livestock feed in Africa"	Madagascar, Brazil, Ethiopia, Kenya, Morocco, Switzerland
	Duncan, Larry: "Preparing and evaluating IPM tactics for increasing strawberry and citrus production."	Egypt
	Hoogenboom, Gerrit: "Tunisia DSSAT Training Workshop"	Germany, Tunisia
	Lee, Won: "Innovative yield mapping system using hyperspectral and thermal imaging for precision crop tree management"	Israel
	Mou, Zhonglin: "Transgenic success-guided reproduction of Huanglongbing disease resistance/tolerance in citrus by gene editing"	Turkey
	Pullammanappallil, P: "Investigation of Particulate Flow Behavior in a High Solids, Leach-Bed Biogasification System"	Israel
	Qureshi, Jawwad: "BFP17 Morocco (Khfif) Plant Health @UFL"	Morocco
	Tong, Zhaohui: "Biorefinery-Residue Based Bionanocomposite Encapsulated Fertilizer for Controlled Release Nanofertilizer"	Egypt
International Center	Russo, Sandra: "Human and Institutional Capacity Building in Water Harvesting and Rangeland Management in Jordan"	Jordan
Journalism and Communications	Lewis, Norman: "College of Journalism and Communications James Cox/ Palm Beach Post - Norman Lewis"	Kuwait
Liberal Arts and Sciences	Glass, Gregory: "UP-8 Prevalence of Crimean Congo hemorrhagic fever virus and hantaviruses in Ukraine and the potential requirement for differential diagnosis of suspect leptospirosis patients"	Azerbaijan, Ukraine
	Soares, Benjamin: "Islam and Africa in Global Context: A Programmatic Statement/Proposal"	Burkina Faso, Egypt, Ethiopia, France, Germany, Ghana, Italy, Kenya, Mali, Morocco, Netherlands, Nigeria, Qatar, Senegal Republic, South Africa, Sudan, United Arab Emirates, United Kingdom
Medicine	Brakenridge, Scott: "Phase III, randomized, double-blind, placebo-controlled, parallel-group, study of AB103 as compared to placebo in patients with necrotizing soft tissue infections (NSTI)"	Israel
	Brantly, Mark: "Kamada Consulting Master Agreement"	Israel
	Papke, Roger: "Alpha7 and RIC-3 in the cholinergic anti-inflammatory pathway"	Israel
	Salloum, Ramzi: "Eastern Mediterranean Consortium on the Economics of Waterpipe Tobacco Smoking: Capacity Building and Knowledge Translation"	Egypt, Israel, Jordan, Lebanon

College/Unit	Principal Investigator: "Project Title"	Countries
	Schatz, Desmond: "Evaluation of the DreaMed Advice4U for Automated Insulin Pump Settings Adjustments in Children and Adolescents with Type 1 Diabetes. "	Israel
	Schatz, Desmond: "Non-invasive detection of cell death in type 1 diabetes: insight into novel disease mechanisms."	Israel
	Ward, Herbert: "A Prospective, Double Blind, Randomized, Controlled Study to Evaluate the Safety and Efficacy of the Deep Transcranial Magnetic Stimulation (DTMS) (with the H-ADD Coil) intended as an aid to Smoking Cessation"	Israel
	Zimmermann, Ellen: "Drug targeting strategy for the treatment of inflammatory bowel disease a novel prodrug approach"	Israel
Nursing	Wilkie, Diana: "Evaluating the Tablet-based Turkish-PAINReportIt for Assessing Pain of Lung Cancer Patients Post Thoracotomy in Turkey"	Turkey
Pharmacy	James, Margaret: "Molecular and Genomic Approaches in Alleviating Environmental Pollution"	Egypt
	Malany, Siobhan: "Electrical Stimulation of Human Myocytes in Microgravity: An In Vitro Model to Evaluate Therapeutics to Counteract Muscle Wasting"	Israel
	Song, Sihong: "Study on the inter and intra generic transmission of drug resistance determinants"	Egypt
Public Health and Health Professions	Lopez-Quintero, Catalina: "Drug use disparities among Hispanics: elucidating the complex interactions between socio-cultural, neurocognitive and drug use-related factors"	Canada, Poland, Turkey
	Vandenborne, Krista: "Imaging DMD for Givinostat Phase 3 Clinical Trial"	United Kingdom, Canada, France, Israel, Italy, Netherlands

## UF Sub Awards to Institutions in North Africa and Western Asia (By College)

College/Unit	Total Funding (\$)	Percent of Total Dollars	Number of Awards
Medicine	1,385,189	100	2
<b>TOTAL UF</b>	<b>\$15,475,472</b>	<b>9.0%</b>	<b>74</b>

- Sub awards to partners in North Africa and Western Asia are 9.0% of the value of all sub awards at UF and 2.7% of the total number of projects.

## Sub Award Principal Investigators (By College)

College/Unit	Principal Investigator: "Project Title"	Countries
Medicine	Schatz, Desmond: "Non-invasive detection of cell death in type 1 diabetes: insight into novel disease mechanisms."	Israel
	Schatz, Desmond: "Non-invasive diagnosis of human beta cell damage and death"	Israel

## UF International Memoranda of Understanding (MOU) with Institutions in North Africa and Western Asia

- There are 24 MOUs with institutions in North Africa and Western Asia, which is 4.6% of all UF International MOUs.
- 63% of all International MOUs in this region are Cooperative Agreements; and 21% are Clinical Trial Agreements.
- Almost half (46%) of the regional agreements are with institutions in Israel.
- The Colleges of Medicine and Engineering manage 60% of the MOUs in the region.

Country	Partner Institution	Academic Manager	College	Type of Agreement
Cyprus	Cyprus University of Technology	Rowland, Diane	IFAS	Cooperative
Georgia	National Center for Disease Control and Public Health of Georgia	Morris Jr., J. Glenn	Emerging Pathogens Institute	Cooperative
Iraq	American University of Kurdistan	Kung, Michael	DCP	Cooperative
Iraq	Salahaddin University - Erbil	Crane III, Carl	Engineering	Cooperative
Israel	Ben-Gurion University of the Negev	Krauthammer, Theodor	Engineering	Cooperative
Israel	Bioline RX	Hiemenz, John	Medicine	Clinical Trial Agreement
Israel	Kamada	Brantly, Mark	Medicine	Confidentiality/ Non-Disclosure Agreement
Israel	Pharma Two B	Oguh, Odinachi	Medicine	Clinical Trial Agreement
Israel	Prilenia Therapeutics	Malaty, Irene	Medicine	Clinical Trial Agreement
Israel	Prilenia Therapeutics	Malaty, Irene	Medicine	Confidentiality/ Non-Disclosure Agreement
Israel	Technion - Israel Institute of Technology	Lindner, Angela S.	Engineering	Cooperative
Israel	Tel Aviv University	Murray, Kelli	Law	Reciprocal
Israel	The Hebrew University of Jerusalem	Rowland, Diane	IFAS	Cooperative
Israel	Vascular Biogenics Ltd	Markham, Merry	Medicine	Clinical Trial Agreement
Israel	Helmsley Charitable Trust, Leona & Harry	Schatz, Desmond	Medicine	Clinical Trial Agreement
Jordan	University of Jordan	Thapa, Brijesh	HHP	Cooperative
Saudi Arabia	Al Yamamah University	Sahni, Sartaj	Engineering	Cooperative
Saudi Arabia	Prince Sultan University	Glover, Joseph	University Wide	Cooperative
Tunisia	Higher Institute of Biotechnology of Sidi Thabet	Jones, Jeff	IFAS	Cooperative
Turkey	Adnan Menderes University	Momol, Esen	IFAS	Cooperative
Turkey	Anadolu University	Calluori Holcombe, Anna	Arts	Cooperative

Country	Partner Institution	Academic Manager	College	Type of Agreement
Turkey	Gazi University	Neo, Pingchien	Engineering	Cooperative
Turkey	Gazi University	Doty, Randell	Pharmacy	Cooperative
Turkey	Sabancı University	Portocarrero, Ana	Business	Reciprocal

## International Students from North Africa and Western Asia (By College)

College/ Unit	Bachelor	Master	Doctorate	Non Degree Other	Graduate Certificate	OPT	Total
Arts	1	1	-	-	-	-	1
Business	4	2	3	-	-	-	9
CLAS	14	-	27	1	-	2	44
Dentistry	-	2	-	-	-	-	2
DCP	1	6	5	-	-	1	13
Education	-	1	8	-	-	-	9
Engineering	7	13	30	26	-	9	85
HHP	1	3	2	-	-	-	6
IFAS	-	2	15	-	-	2	19
J&C	-	-	1	-	-	-	1
Law	-	4	3	-	-	1	8
Medicine	-	2	7	-	1	-	10
Nursing	-	-	6	-	-	-	6
Pharmacy	-	4	12	5	-	-	21
PHHP	-	2	4	-	1	-	7
Vet. Med.	-	-	2	-	-	-	2
<b>TOTAL</b>	<b>28</b>	<b>42</b>	<b>125</b>	<b>32</b>	<b>2</b>	<b>15</b>	<b>244</b>
<b>TOTAL UF</b>	<b>810</b>	<b>1,651</b>	<b>1,715</b>	<b>301</b>	<b>33</b>	<b>2,145</b>	<b>6,655</b>
<b>North Africa and Western Asia as Percent of UF</b>	<b>3.5</b>	<b>2.5</b>	<b>7.3</b>	<b>10.6</b>	<b>6.1</b>	<b>0.7</b>	<b>3.7%</b>

- 3.7% of all international students are from North Africa and Western Asia.
- A little more than half of all students from the region are enrolled in doctoral programs.

## International Students from North Africa and Western Asia (By Country)

Country of Citizenship	Bachelor	Master	Doctorate	Non Degree Other	Graduate Certificate	OPT	Total
Algeria	-	-	-	1	-	-	1
Armenia	4	-	1	-	-	-	5
Azerbaijan	1	1	-	-	-	-	2
Cyprus	-	1	1	-	-	-	2
Egypt	1	5	7	4	-	4	21
Georgia	-	-	1	-	1	-	2
Iraq	1	-	5	-	1	-	7
Israel	2	2	1	1	-	-	6
Jordan	4	1	5	-	-	2	12
Kuwait	-	-	9	-	-	1	10
Lebanon	4	2	6	-	-	1	13
Libya	-	-	3	-	-	1	4
Morocco	3	1	1	-	-	1	6
Oman	-	-	2	-	-	-	2
Qatar	1	-	-	-	-	-	1
Saudi Arabia	-	24	47	25	-	1	97
Syria	1	1	1	-	-	-	3
Tunisia	1	1	1	-	-	-	3
Turkey	4	3	34	-	-	4	45
West Bank	1	-	-	-	-	-	1
Yemen	-	-	-	1	-	-	1
<b>TOTAL</b>	<b>28</b>	<b>42</b>	<b>125</b>	<b>32</b>	<b>2</b>	<b>15</b>	<b>244</b>
<b>TOTAL UF</b>	<b>810</b>	<b>1,651</b>	<b>1,715</b>	<b>301</b>	<b>33</b>	<b>2,145</b>	<b>6,655</b>

- Students from the region represent 21 countries.
- 40% of all students from the region are from Saudi Arabia; 18% from Turkey; and 9% from Egypt. The rest of the students (30%) are from 18 countries with no more than 5% from any single country.

## International Visiting Scholars from **North Africa and Western Asia** (By College)

College/Unit	Professor	Research Scholar	Short Term Scholar	Student Intern	Other	Total
Arts	-	-	1	-	-	1
CLAS	-	4	-	-	-	4
Dentistry	-	1	-	-	-	1
DCP	-	1	-	-	-	1
Education	-	1	-	-	-	1
Engineering	-	4	-	-	-	4
HHP	-	-	1	-	-	1
IFAS	-	11	2	1	-	14
Medicine	-	3	1	-	-	4
Nursing	-	1	-	-	-	1
Pharmacy	-	1	2	-	-	3
PHHP	-	1	-	-	-	1
Veterinary Medicine	-	2	-	-	-	2
<b>TOTAL</b>	<b>0</b>	<b>30</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>38</b>
<b>TOTAL UF</b>	<b>5</b>	<b>1,118</b>	<b>314</b>	<b>94</b>	<b>7</b>	<b>1,538</b>
<b>North Africa and Western Asia as Percent of Total UF</b>	<b>0.0</b>	<b>2.7</b>	<b>2.2</b>	<b>1.1</b>	<b>0.0</b>	<b>2.5</b>

- The majority of Visiting Scholars from the region (37%) are hosted by IFAS.



## International Visiting Scholars from North Africa and Western Asia (By Country)

Country of Citizenship	Professor	Research Scholar	Short Term Scholar	Student Intern	Total
Algeria	-	1	-	-	1
Armenia	-	1	-	-	1
Azerbaijan	-	-	1	-	1
Egypt	-	10	4	-	14
Israel	-	2	1	-	3
Lebanon	-	1	-	-	1
Morocco	-	1	-	-	1
Tunisia	-	-	1	-	1
Turkey	-	13	-	1	14
Yemen	-	1	-	-	1
<b>TOTAL</b>	<b>-</b>	<b>30</b>	<b>7</b>	<b>1</b>	<b>38</b>
<b>TOTAL UF</b>	<b>5</b>	<b>1,118</b>	<b>314</b>	<b>94</b>	<b>1,538</b>

- 2.5% of all international Visiting Scholars are from a country in North Africa and Western Asia.
- Almost 80% of Visiting Scholars from the region are longer term Research Scholars.
- The majority of Visiting Scholars from the region (37% each) are from Egypt and Turkey.

## Study Abroad to North Africa and Western Asia (By College)

College/Unit	Number of Students	College Total	Percent of College
Business	24	784	3.1
CLAS	17	712	2.4
DCP	1	124	0.8
Engineering	10	277	3.6
J & C	3	213	1.4
Law	1	15	6.7
Not Reported	1	53	1.9
<b>TOTAL</b>	<b>57</b>		<b>2.2</b>
<b>TOTAL UF</b>	<b>2,637</b>	<b>2,637</b>	<b>100%</b>

- 2.2% of all UF study abroad students visited North Africa and Western Asia.
- Most students (42%) visiting the region are with the Warrington College of Business.

## Study Abroad to North Africa and Western Asia (By Country)

Country	Number of Students	Percent of Total UF
Israel	18	0.7
Lebanon	1	0.04
Morocco	38	1.4
<b>TOTAL</b>	<b>57</b>	<b>2.2</b>
<b>TOTAL UF</b>	<b>2,637</b>	<b>100%</b>

## UF Travel to North Africa and Western Asia (By Country)

Country	Number of Trips	Percent of Total to Region
Israel	24	23.8
Turkey	18	17.8
Egypt	11	10.9
Morocco	11	10.9
Cyprus	7	6.9
Lebanon	6	5.9
United Arab Emirates	6	5.9
Tunisia	4	4.0
Jordan	3	3.0
Kuwait	3	3.0
Georgia	2	2.0
Iraq	2	2.0
Saudi Arabia	2	2.0
Algeria	1	1.0
Qatar	1	1.0
<b>TOTAL</b>	<b>101</b>	<b>100%</b>
<b>TOTAL UF</b>	<b>4,342</b>	<b>2.3%</b>

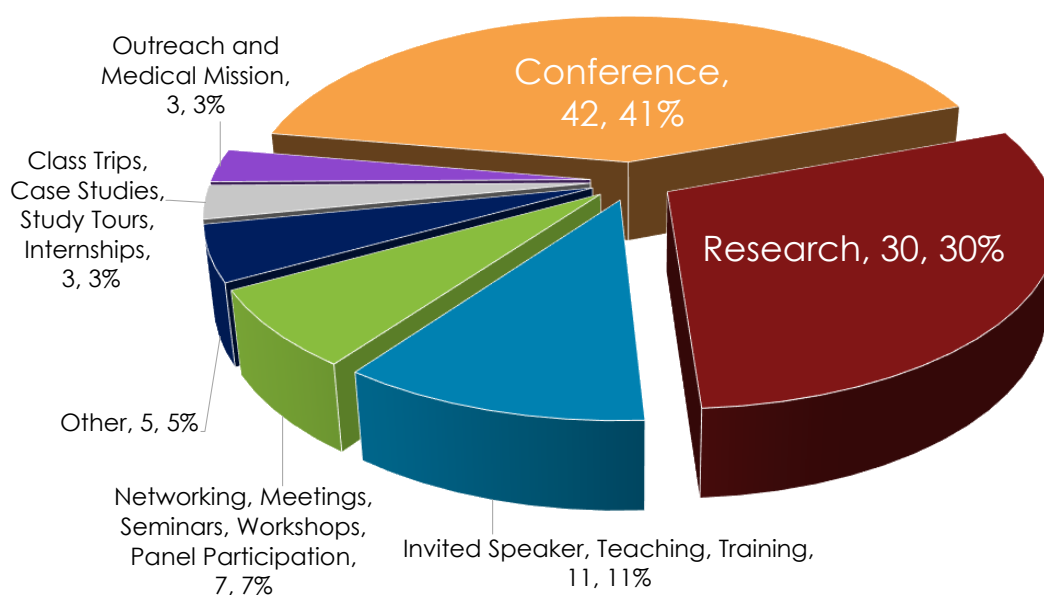
- 101 trips were made to North Africa and Western Asia, or 2.3% of all UF trips.
- Of all trips to the region, the greatest number were to Israel (24%) and to Turkey (18%).

## UF Travel to North Africa and Western Asia (By College)

College/Unit	Number	Percent by College Trips to Region	Percent of Trips in College
Arts	4	4.0	3.4
Business	6	5.9	4.3
Dentistry	2	2.0	2.1
Design, Construction and Planning	2	2.0	2.9
Engineering	11	10.9	2.3
Florida Museum of Natural History	1	1.0	0.7
Health and Human Performance	2	2.0	3.4
Institute of Food and Agricultural Sciences	25	24.8	2.6
Journalism and Communications	3	3.0	7.0
Liberal Arts and Sciences	19	18.8	2.5
Medicine	16	15.8	3.7
Not Reported	2	2.0	0.9
Pharmacy	2	2.0	1.8
PHHP	1	1.0	0.6
UF Administration	2	2.0	1.2
UF International Center	2	2.0	5.7
Veterinary Medicine	1	1.1	0.8
<b>TOTAL</b>	<b>101</b>	<b>100%</b>	

- Most trips to the region are from faculty/staff in the Colleges of Liberal Art and Medicine
- Travel to the region represents only a small percentage of all travel within the college or unit. With the exception of Journalism and Communications and the International Center, the number of trips to the region is less than five percent of all trips in the college or unit.

## UF Travel to **North Africa and Western Asia** (By Purpose)



## Countries Included in the **North Africa and Western Asia** Regional Report<sup>1</sup>

### North Africa

Algeria	Sudan
Egypt	Tunisia
Libya	Western Sahara
Morocco	

### Western Asia

Azerbaijan	Lebanon
Armenia	Oman
Bahrain	Palestine
Cyprus	Qatar
Georgia	Republic of Turkey
Iraq	Saudi Arabia
Israel	Syrian Arab Republic
Jordan	United Arab Emirates
Kuwait	Yemen

<sup>1</sup> This list includes all countries in the region; however, UF may not have activity in every country. The geographical regions are grouped according to the United Nations. Learn more about the methodology here:

<https://unstats.un.org/unsd/methodology/m49/>

Learn more about this region:

- Central Intelligence Agency, The World Factbook -- [https://www.cia.gov/library/publications/the-world-factbook/wfbExt/region\\_afr.html](https://www.cia.gov/library/publications/the-world-factbook/wfbExt/region_afr.html)
- The World Bank, DataBank -- <https://data.worldbank.org/region/middle-east-and-north-africa>
- Wikipedia, MENA -- <https://en.wikipedia.org/wiki/MENA>
- Wikipedia, Western Asia -- [https://en.wikipedia.org/wiki/Western\\_Asia](https://en.wikipedia.org/wiki/Western_Asia)

