

**Research Education Unit (REU)**

The Research Education Unit (REU) offers several educational programs and a wide range of training workshops to individuals inside and outside AUB interested in medical research methodology. The programs and workshops target both basic and advanced levels of the research topics covered and are tailored for participants from different disciplines and training.

**REU director**

Martine Elbejjani, PhD	Sep 2018 – present
Mona Nabulsi, MD, MS	Oct 2010 – Sep 2018

**REU staff**

Sara Khansa, MBA	REU coordinator	Jul 2016 - present
Lara Al Hakim, MS	CRU coordinator	Jan 2014 – Dec 2016
Rola El Rassi, MS	CRI administrator	Jan 2011 – Dec 2016

**REU activity summary**

Year	Workshops	Speakers	Attendees
2022	7	8	187
2021	7	8	251
2020	13	31	1335
2019	8	6	139
2018	14	6	293
2017	9	3	191
2016	9	5	193
2015	4	5	114
2014	3	2	78
Year	Regional workshop	Speakers	Attendees
2017	1 (Jordan)	2	57
Educational programs		Number of sessions	Speakers
Basics of research series 2014-2015		14	11
REU grand round series – re-run – 2013		11	9
REU grand rounds series – 2012-2013		23	16
Essentials of research study design and analysis (ersda) – 2012		16	10
Essentials of research study design and analysis (ersda) – 2011		8	5
SCORE students’ research workshops Dec 2010-Apr 2011- Nov 2011-Apr 2012		17	17
Year	Seminar series	Speakers	
2016	2	2	
2014	10	9	
2013	10	9	

**REU workshops**

Online Workshops 2022-Open to Lebanon and the Region*			
Workshop title	Speaker(s)	Number of participants	Date
Designing search strategies for systematic reviews	Ola El Zein, PhD	18	May 9-13, 2022
Survival (time-to-event) analysis	Martine Elbejjani, PhD	10	Apr 4-7, 2022
Publishing your research	Elie Akl, MD, PhD	37	Mar 14-18, 2022
Reproducibility in health	Richard Ball, MS, PhD	44	February 15

research	Norm Medeiros, MLIS Jenna Krall, PhD		&17, 2022
Statistics made easy	Hani Tamim, PhD	23	Mar 1-4, 2022
Development and adaptation of practice guidelines	Elie Akl, MD, MPH, PhD	16	Feb 7-11, 2022
Qualitative research: when to use and how to conduct	Gladys Honein, PhD	39	Jan 17-21, 2022
<b>Online Workshops 2021-Open to Lebanon and the Region*</b>			
How to conduct systematic reviews	Elie Akl, MD, MPH, PhD	21	Nov 23-26, 2021
Endnote and Reference Management	Ola El Zein, PhD	11	Nov 8-12, 2021
Statistics Made Easy	Hani Tamim, PhD	37	Oct 11-13, 2021
Successful research grant writing	Jocelyn DeJong, PhD Hala Ghattas, PhD Hana Itani, MD	65	June 7, 9, 11, 14, 16 and 18, 2021
Publishing your research	Elie Akl, MD, MPH, PhD	55	May 4-7, 2021
Development and adaptation of practice guidelines	Elie Akl, MD, MPH, PhD	32	Feb 15- 18, 2021
Qualitative research: when to use and how to conduct	Gladys Honein, PhD Lina Onsi, MSc Cynthia Rizkallah, MS	30	Jan 18-22, 2021
<b>Online Workshops 2020-Open to Lebanon and the Region**</b>			
<b>Workshop title</b>	<b>Speaker(s)</b>	<b>Number of participants</b>	<b>Date</b>
Dissemination and implementation research in health (WONDIRH)	Rima Nakkash, DrP Elie Akl, MD, MPH, PhD Abla Sibai, PhD Cynthia Vinson, PhD, MPA Ramzi Salloum, PhD Ji-Hyun Lee, DrPH Tamar Kabakian, PhD Marie Ricciardone, PhD Donna Shelley, MD, MPH Fadi El-Jardali, PhD Mark Parascandola, PhD	171	Nov 30, Dec 07, Dec 14 & Dec 21, 2020
How to conduct systematic reviews	Elie Akl, MD, MPH, PhD Lara Kahale, RN, MSc,	34	Dec 7-11, 2020

	Joanne Khabsa, BS Pharm, MPH		
Survival (time-to-event) analysis	Martine Elbejjani, PhD	19	Nov 23-26, 2020
Statistics made easy	Hani Tamim, PhD	21	Nov 2-4, 2020
Designing search strategies for systematic reviews	Ola El Zein, PhD Layal Hneiny, MLIS, MPH	36	Oct 19 - 23, 2020
Statistics made easy	Hani Tamim, PhD	151	Jul 21-23, 2020
Successful research grant writing	Jocelyn DeJong, PhD Hala Ghattas, PhD Hana Itani, MD Steve McCall, DPhil MSc Nadine Mhanna, MBA Catherine Schenck, MHS Alexandra Anderson, PhD Oona Campbell, PhD	167	Jul 6-10, 2020
Designing search strategies for systematic reviews	Ola El Zein, PhD Layal Hneiny, MPH	173	May 18, 19, 20, 21 & 22, 2020
Arabic psychometric scales in research: methods of cultural and linguistic adaptation (part I)	Pia Zeinoun, PhD	78	May 14 & 15, 2020
Designing and using web-based surveys	Martine Elbejjani, PhD Marco Bardus, PhD Lina Onsi, MSc	228	Apr 21, 22, 23 & 24, 2020
Qualitative research: when to use and how to conduct	Gladys Honein, PhD Jennifer Ayoub, MSc Lina Onsi, MSc	100	Apr 6, 7, 8 & 9, 2020
How to conduct systematic reviews and meta-analyses	Elie Akl, MD, MPH, PhD	157	Mar 30, 31, Apr 1, 2 & 3, 2020

\* Most of these workshops occur over a 4-5 days (2.5-3 hours per day).

\*\*Kindly note that due to the covid-19 pandemic that hit the world and Lebanon starting February 2020, the REU moved all its workshop that took place after February 28, 2020 to the online platform. These workshops targeted participants from AUB, Lebanon and the region across several institutions.

<b>In-person Workshops 2020</b>			
<b>Workshop title</b>	<b>Speaker(s)</b>	<b>Number of participants</b>	<b>Date</b>

Qualitative research workshop	Gladys Honein, PhD	22	Feb14, 21 & 28
<b>Workshops 2019</b>			
<b>Workshop title</b>	<b>Speaker(s)</b>	<b>Number of participants</b>	<b>Date</b>
Statistics made easy workshop III	Hani Tamim, PhD	16	Dec7, 2019
Statistics made easy workshop II	Hani Tamim, PhD	16	Nov 30, 2019
Statistics made easy workshop I	Hani Tamim, PhD	17	Oct 5, 2019
How to conduct systematic reviews workshop	Elie Akl, MD, MPH, PhD	28	Sep 19 & 20, 2019
Analysis for repeated/correlated measures	Martine Elbejjani, PhD	15	May 11, 2019
How to conduct systematic reviews and meta-analyses	Elie Akl, MD, MPH, PhD	cancelled	Apr 11, 2019 Apr 12, 2019
Statistics made easy workshop III	Hani Tamim, PhD	cancelled	Apr 6, 2019
Statistics made easy workshop II	Hani Tamim, PhD	cancelled	March 23, 2019
Statistics made easy workshop I	Hani Tamim, PhD	cancelled	Mar 2, 2019
Medical Writing/publishing	Elie Akl, MD, MPH, PhD	cancelled	Mar 4, 2019
Clinical research coordinator workshop	Marlene Chakhtoura, MD, MSc.	11	Feb 15, 2019 Feb 16, 2019
Meta-analysis workshop	Dimitris Mavridis, PhD	13	Feb 11, 2019 Feb 12, 2019
Qualitative research workshop	Gladys Honein, PhD	23	Jan 9, Jan 14 & Jan 23, 2019
<b>Workshops 2018</b>			
<b>Workshop title</b>	<b>Speaker(s)</b>	<b>Number of participants</b>	<b>Date</b>
Development and adaptation of practice guidelines in health	Elie Akl, MD, MPH, PhD	17	Dec 6, 2018 Dec 7, 2018
Survival analysis workshop	Martine Elbejjani, PhD	13	Nov 16, 2018 Nov 17, 2018
Designing search strategies for systematic reviews	Aida Farha, BS	21	Nov 2, 2018 Nov 3, 2018
Statistics made easy workshop III	Hani Tamim, PhD	23	Oct 13, 2018
How to conduct systematic reviews and meta-analyses	Elie Akl, MD, MPH, PhD	27	Oct 4, 2018 Oct 5, 2018
Statistics made easy workshop II	Hani Tamim, PhD	26	Sep 22, 2018
Statistics made easy workshop I	Hani Tamim, PhD	22	Sep 8, 2018
Survival analysis workshop	Martine Elbejjani, PhD	16	May 12, 2018

Statistics made easy workshop III	Hani Tamim, PhD	21	May 5, 2018
Clinical research coordinator workshop	Marlene Chakhtoura, MD, MSc.	20	Apr 28, 2018
Statistics made easy workshop II	Hani Tamim, PhD	24	Apr 14, 2018
Statistics made easy workshop I	Hani Tamim, PhD	21	Mar 17, 2018
Development and adaptation of practice guidelines	Elie Akl, MD, MPH, PhD	29	Feb 27, 2018 Feb 28, 2018
Qualitative research workshop	Jihad Makhoul, PhD	13	Jan 9, 2018 Jan 16, 2018 Jan 18, 2018
<b>Workshops 2017</b>			
<b>Workshop title</b>	<b>Speaker(s)</b>	<b>Number of participants</b>	<b>Date</b>
Statistics made easy workshop III	Hani Tamim, PhD	19	Dec 2, 2017
Statistics made easy workshop II	Hani Tamim, PhD	22	Nov 4, 2017
Statistics made easy workshop I	Hani Tamim, PhD	28	Oct 7, 2017
How to conduct systematic reviews and meta-analyses	Elie Akl, MD, MPH, PhD	22	Sep 29, 2017 Sep 30, 2017
Designing search strategies for systematic reviews	Aida Farha, BS	13	Oct 21, 2017
Statistics made easy workshop III	Hani Tamim, PhD	20	May 27, 2017
Statistics made easy workshop II	Hani Tamim, PhD	18	May 06, 2017
Statistics made easy workshop I	Hani Tamim, PhD	22	Apr 08, 2017
Statistics made easy workshop III	Hani Tamim, PhD	27	Jan 14, 2017
<b>Tailored workshop 2017</b>			
<b>Workshop title</b>	<b>Speaker(s)</b>	<b>Number of participants</b>	<b>Date</b>
Jordan capacity building: basics of quantitative research workshop	Mona Nabulsi, MD Hani Tamim, PhD	57	Apr 29-30, 2017
<b>Workshops 2016</b>			
<b>Workshop title</b>	<b>Speaker(s)</b>	<b>Number of participants</b>	<b>Date</b>
Qualitative research workshop	Jihad Makhoul, PhD	15	Dec 14, 21, 28, 2016
Statistics made easy workshop II	Hani Tamim, PhD	26	Dec 10, 2016
Statistics made easy workshop I	Hani Tamim, PhD	26	Nov 19, 2016
Designing search strategies for systematic reviews	Aida Farha, BS	15	Oct 15, 22, 2016
How to conduct systematic reviews and meta-analyses	Elie Akl, MD, MPH, PhD	28	Sep 16-17, 2016
Designing search strategies for	Aida Farha, BS	23	May 21, 2016

systematic reviews			
How to conduct systematic reviews and meta-analyses	Elie Akl, MD, MPH, PhD Aida Farha, BS	24	Mar 11-12, 2016
Statistics made easy workshop II	Hani Tamim, PhD	17	Feb 20, 2016
Qualitative research workshop	Gladys Honein, PhD Jihad Makhoul, PhD	19	Jan 23-Jan 30, 2016
<b>Workshops 2015</b>			
<b>Workshop title</b>	<b>Speaker(s)</b>	<b>Number of participants</b>	<b>Date</b>
Learn how to conduct systematic reviews workshop	Elie Akl, MD, MPH, PhD Fadi El Jardali, PhD Aida Farha, BS	31	May 14-15, 2015
Meta-analysis workshop	Dimitri Mavridis, PhD	32	May 28-29, 2015
Designing search strategies for systematic reviews	Aida Farha, BS	25	Jun 10, 2015
Statistics made easy workshop I	Hani Tamim, PhD	26	Dec 05, 2015
<b>Workshops 2014</b>			
<b>Workshop title</b>	<b>Speaker(s)</b>	<b>Number of participants</b>	<b>Date</b>
Statistics made easy workshop I	Hani Tamim, PhD	29	Sep 20, 2014
Development and adaptation of practice guidelines	Holger Schunemann, PhD	36	Nov 05-06, 2014
Statistics made easy II	Hani Tamim, PhD	13	Feb 06, 2015

**REU educational programs**

<b>Basics of Research Series – 2014-2015</b>		
<b>Session title</b>	<b>Speaker(s)</b>	<b>Date</b>
Overview of the research process; formulating a research question	Mona Nabulsi, MD, MS	Oct 01, 2014
Securing irb approval	Mona Nabulsi, MS, MS Abeer Dakik, MS	Oct 08, 2014
Conducting an effective literature review	Aida Farha, BS	Oct 15, 2014
Study designs: cross-sectional design	Abla Sibai, PhD	Oct 22, 2014
Study designs: case-control design	Monique Chaaya, PhD	Oct 29, 2014
Study designs: cohort design	Salim Adib, MD, PhD	Nov 12, 2014
Study designs: clinical trials	Elie Akl, MD, MPH, PhD	Nov 19, 2014

**PORTFOLIO:  
Research Education Unit (REU)  
Clinical Research Institute (CRI)**

Research funding	Rosie Nasser, MA	Nov 26, 2014
Proposal write-up	Mona Nabulsi, MD, MS	Dec 03, 2014
Data collection, entry, cleaning and management	Hani Tamim, PhD	Dec 10, 2014
Descriptive data analysis	Souha Fares, PhD	Jan 07, 2015
Inferential data analysis	Hani Tamim, PhD	Jan 14, 2015
Introduction to linear and logistic regression	Laila Al-Shaar, MS, MPH	Jan 21, 2015
<b>REU Grand Round Series – Re-run – 2013</b>		
<b>Session title</b>	<b>Speaker(s)</b>	<b>Date</b>
Overview of the research process; formulating a research question	Mona Nabulsi, MD, MS	Jun 04, 2013
Conducting an effective literature review I	Aida Farha, BS	Jun 11, 2013
Conducting an effective literature review II	Aida Farha, BS	Jun 18, 2013
IRB 101	Abeer Dakik, MS	Jun 25, 2013
Study designs: case-control design	Monique Chaaya, PhD	Jul 02, 2013
Study designs: cross-sectional design	Abla Mehio Sibai, PhD	Jul 09, 2013
Study designs: cohort design	Lilian Ghandour-Abiad, PhD	Jul 16, 2013
Study designs: clinical trials	Hani Tamim, PhD	Jul 23, 2013
Proposal write-up and budget development	Rosie Nasser, MA	Aug 06, 2013
Descriptive data analysis	Souha Fares, PhD	August 13, 2013
Inferential data analysis	Hani Tamim, PhD	Aug 20, 2013
<b>REU Grand Rounds Series – 2012-2013</b>		
<b>Session title</b>	<b>Speaker(s)</b>	<b>Date</b>
Overview of the research process; formulating a research question	Mona Nabulsi, MD, MS	Oct 03, 2012
Conducting an effective literature review I	Aida Farha, BS	Oct 10, 2012
Conducting an effective literature review II	Aida Farha, BS	Oct 17, 2012
History, principles of research ethics and their application	Thalia Arawi, PhD	Oct 24, 2012
Study designs: cross-sectional design	Abla Sibai, PhD	Nov 07, 2012
Study designs: case-control design	Monique Chaaya, PhD	Nov 14, 2012
IRB 101	Abeer Dakik, MS	Nov 21, 2012
Study designs: cohort design	Lilian Ghandour-Abiad, PhD	Nov 28, 2012
Study designs: clinical trials	Hani Tamim, PhD	Dec 05, 2012
Data collection, entry, cleaning and management	Hani Tamim, PhD	Dec 12, 2012
Proposal write-up and budget development	Rosie Nasser, MA	Dec 19, 2012
Systematic review and meta-analyses- I	Elie Akl, MD, MPH, PhD	Jan 02, 2013
Systematic review and meta-analyses-II	Elie Akl, MD, MPH, PhD	Jan 09, 2013
Grants administration	Rosie Nasser, MA	Jan 16, 2013
Descriptive data analysis	Souha Fares, PhD	Jan 23, 2013



Inferential data analysis	Hani Tamim, PhD	Feb 06, 2013
Informed consent	May Al-Kassar, MS	Feb 13, 2013
Overview of regression analysis	Robert Habib, PhD	Feb 20, 2013
Introduction to survival analysis	Robert Habib, PhD	Mar 06, 2013
Questionnaire validation	Lilian Ghandour Abiad, PhD	Mar 13, 2013
Student research	Michael Clinton, PhD	Mar 20, 2013
Responsible conduct of research	Ghada El-Hajj Fuleihan, MD	Mar 27, 2013
Genetic research; stem cell research; tissue repositories	Rami Mahfouz, MD	Apr 10, 2013
<b>Essentials of Research Study Design and Analysis (ERSDA) – 2012</b>		
<b>Session title</b>	<b>Speaker(s)</b>	<b>Date</b>
Introduction to research	Mona Nabulsi, MD, MS	Jan 12, 2012
Overview of the research process	Hani Tamim, PhD	Jan 19, 2012
Formulating a research question	Mona Nabulsi, MD, MS	Jan 26, 2012
Conducting an effective literature review	Aida Farha, BS	Feb 02, 2012
Study designs (cross-sectional design)	Abla Sibai, PhD	Feb 16, 2012
Study designs (case-control design)	Hani Tamim, PhD	Mar 01, 2012
Study designs (clinical trials)	Hani Tamim, PhD	Mar 08, 2012
Sponsored research offices and sources of research support	Rosie Nasser, MA	Mar 15, 2012
Proposal write-up, budget development, and grant's administration	Rosie Nasser, MA	Mar 22, 2012
Data collection, entry, cleaning and management	Hani Tamim, PhD	Mar 29, 2012
Study designs (cohort design)	Lilian Ghandour Abiad, PhD	Apr 12, 2012
Descriptive data analysis	Hani Tamim, PhD	Apr 19, 2012
Inferential data analysis	Souha Fares, PhD	Apr 26, 2012
Introduction to logistic and linear regression and survival analysis	Robert Habib, PhD	May 10, 2012
Research dissemination	Rose-Mary Boustany, MD	May 17, 2012
Research ethics	Thalia Arawi, PhD	May 24, 2012
<b>Essentials of Research Study Design and Analysis (ERSDA) – 2011</b>		
<b>Session title</b>	<b>Speaker(s)</b>	<b>Date</b>
Overview of different research study designs- part I	Monique Chaaya, PhD	Feb 17, 2011
Overview of different research study designs- Part II	Lilian Ghandour, PhD	Feb 24, 2011
Data analysis I: descriptive statistics and univariate analyses	Miran Jaffa, PhD	Mar 03, 2011
Data analysis II: linear regression	Robert Habib, PhD Laila Shaar, MS	Mar 24, 2011

Data analysis III: logistic regression in medical research	Robert Habib, PhD Laila Shaar, MS	Apr 07, 2011
Data analysis IV: basics of survival analysis	Robert Habib, PhD	Apr 28, 2011
SCORE Students' Research Workshops		
Introduction to the research workshops	Series run in 2010, Dec 2010-April 2011 and Nov 2011-Apr 2012	
The scientific method		
Overview of the research process		
The research question		
Conducting an effective literature review		
Introduction to critical appraisal		
Spectrum from basic to clinical research		
Finding a research team, collegiality and professionalism		
Overview of research study designs 1		
Overview of research study designs 2		
Data collection and management		
Data design		
HRPP and irb		
Writing a research proposal and funding		
How to present your work?		
How to get your work published?		
Genetics and molecular research		

**REU seminars**

CRI Seminar Series 2016		
Seminar title	Speaker(s)	Date
Building successful regional research collaborations: the case of the middle east rheumatoid arthritis consortium (merac)	Thurayya Arayysi, PhD	Jun 29, 2017
The journey from patient to an emerging therapy	Rose-Mary Boustany, MD	Oct 20, 2016
CRI Seminar Series 2014		
Seminar title	Speaker(s)	Date
Practice guidelines enterprise	Elie Akl, MD, MPH, PhD	Feb 10, 2014
Clinical trials: from theory to practice	Ghada El-Hajj Fuleihan, MD	Mar 10, 2014
Health and bio informatics to enhance medical research	Imad El Hajj, PhD	Apr 14, 2014
Human research protection at aubmc: a post-jci survey review	Ali Abu Alfa, MD	Apr 14, 2014
The practice guidelines enterprise: how we could build it at aub	Elie Akl, MD, MPH, PhD	Feb 10, 2014

Neuroproteomics and multidimensional separation platforms: novel applications in clinical investigation	Firas Kobeissy, PhD	May 12, 2014
Clinical trials from evidence to practice	Jim Ware, PhD	Sep 22, 2014
Program for research & innovation in medical education (prime)	Ramzi Sabra, MD Nathalie Zgheib, MD	Oct 20, 2014
Challenges and solutions in the development of clinical recommendations: the case of multi drug resistant tuberculosis	Holger Schunemann, PhD	Nov 05, 2014
<b>CRI Seminar Series 2013</b>		
<b>Seminar title</b>	<b>Speaker(s)</b>	<b>Date</b>
Use of statistical learning algorithms to support clinical decision making and predictions	George Sakr, PhD	Jan 14, 2013
Stopping trials early for benefit and risk of bias	Elie Akl, MD, MPH, PhD	Feb 11, 2013
Genomics 101 for clinical investigators: From bench-side to bedside	Rami Mahfouz, MD	Mar 11, 2013
From assessing patient safety culture to improving clinical outcomes: raising the bar of our research agenda	Fadi El-Jardali, MPH, PhD	Apr 08, 2013
Pearls and pitfalls of rcts	Ghada El-Hajj Fuleihan, MD,	Jun 10, 2013
Microarrays/expression studies	Rose-Mary Boustany, MD	Sep 09, 2013
Next generation sequencing	Rose-Mary Boustany, MD George Nemer, PhD	Oct 14, 2013
Propensity modeling techniques	Robert Habib, PhD	Nov 11, 2013
Personalized medicine and pharmacogenomics	Nathalie Zgheib, MD	Dec 09, 2013