

PI	Faculty	Awarded Grants	Collaborators/ Faculty	
Massoud Khraiche Ziad Bashour	FEA FM	Flexible, high-density, photovoltaic penetrating retinal interface	Elie Al-Chaer	FM
Humam Kadara Issmat Kassem	FM FAFS	Host lipocalin 2 expression and microbiota dysbiosis in lung adenocarcinoma development		FJ 2017
Wassim El Hajj Fadi Maalouf Hazem Hajj	FAS FM FEA	Automated emotion recognition for better mental and medical states of being		
Firas Kobaissy Md Anwarul Hasan Wassim Abou Kheir Hala Darwish	FM FEA FM SON	A novel neurotherapeutic approach for neural stem cell delivery using injectable GelMA hydrogel for brain tissue repair post traumatic brain injury (TBI)		
Assaad Eid Omar Obeid	FM FAFS	Phosphorus alteration in diabetic nephropathy and diabetic cardiomyopathy: unveiling novel mechanistic pathways		FJ 2016
Wassim Abou Kheir Noel Ghanem Hala Darwish	FM FAS SON	Young versus old: a potential role for vitamin D supplementation in modulating adult neurogenesis and hippocampal-related functions		
Asad Zeidan Rami Mhanna	FM FEA	Three-dimensional tissue engineered models for investigation of hypertension roles on vascular remodeling		
Youssef Zeidan	FM	Novel role for lipid metabolism in radiation nephropathy	Malek Tabbal Assaad Eid	FAS FM
Issam El-Rassi Ramsey Hamade	FM FEA	Building a 3D printing Program for Congenital Heart Disease at AUB: A model for Clinical applications, Education and Research. The first initiative in Lebanon and the Region	Fadi Bitar Ziad Bulbul Mariam Arabi Lamya Atweh Charbel Saade Georges Nemer	FM FM FM FM FM FM
Ramzi Alami Ali Tehrani	FM FEA	Novel Electrospun Surgical Meshes For Hernia Repair		FJ 2015
Firas Kobaissy Pierre Karam Hala Darwish	FM FAS FM	Developing sensitive and specific biosensor for traumatic brain injury biomarkers	Hani Tamim	FM
Diana Jaalouk Marwan Refaat Georges Nemer	FAS FM FM	Insight into the deregulation of Hic-5 and Rbm20 in LaminA/C and emerin related cardiomyopathies		
Fadi Moukalled Samir Alam	FEA FM	The development of a novel low computational cost non-invasive direct method to predict ischemia in human diseased coronary arteries	Robert Habib Hussain Ismaeel	FM FM
Rihab Nasr Rabih Talhouk	FM FAS	miRNA as Circulating Biomarkers for Breast		FJ 2014
Md Anwarul Hasan Ayad A Jaffa	FEA FM	Development of a biomimetic blood vessel using multilayered composite nano-microfiber scaffolds for cardiovascular tissue engineering	Rami Mhanna Jamal Jawad Hoballah	FEA FM

Oweis, Ghanem Zeidan, Asad	FEA FM	Validation and Optimization of a Novel Aortic Arch Model for Investigation of Shear Stress role in Atherosclerosis	Nasr, Rihab	FM	FJ 2013
Refaat, Marwan Youssef, Bassem	FM FM	Noninvasive Linear Accelerator-Based Stereotactic Radiotherapy for Atrioventricular Node Ablation	Aljaroudi, Wael Geara, Fady Jalbout, Wassim Jurjus, Abdo Tabbal, Malek	FM FM FM FAS	
Zaraket, Fadi Hamadeh, Ghassan	FEA FM	Automated Symptom and Diagnosis Detection from Clinical Notes			
Ghanem, Noel Saab, Raya	FAS FM	Investigating the influence of neuro-developmental stage on brain tumorigenesis upon in-vivo disruption of the tumor suppressors RB and p53 in neural precursor cells	-		
Karameh, Fadi Nahas, Ziad	FEA FM	Simulation and prediction of seizure generation and propagation under electroconvulsive therapy	-		FJ 2012
Eid, Assaad Bouhadir, Kamal	FM FAS	Synthesis & biological study of novel carbocyclic nucleoside analogs	-		
Nemer, Georges Kambris, Zakaria	FM FAS	The Nephhrin Gene: A Renal Gene Implicated in Cardiovascular Diseases	-		FJ 2011
Sabban, Marwan Muhtassib, Hala	FM FAS	Targeted therapy of breast cancer stem cells and metastasis by the hypoxiaactivated quinoxaline 1,4-dioxide DCQ	Makhlouf Haddadian	FAS	
Habib, Robert	FM	Characterization of Bubble Oscillations in the Infant Lung During Bubble Nasal Continuous Positive Airway Pressure (NCPAP) Support: Effects on Gas Transport and Exchange	Shihadeh, Alan L.	FEA	
Bouhadir, Kamal Ghaddar, Tarek Sabban, Marwan	FAS FAS FM	TiO ₂ -Paramagnetic coated particles for organ-specific homing of stem cells and tumoricidal therapy	-		FJ 2010
Saab, Raya Ghanem, Noel	FM FAS	Identification of repressed genes involved in heterochromatin foci in Cyclin D1-driven senescence	-		