The objective of our proposal is to compare the bone marrow response in two groups, those with BMI > 30 and BMI < 30, after walking on a treadmill for 10 minutes. Central to our study is the mechanism in obesity by which expanding white adipose tissue adapts to low O2 levels (hypoxia).

Houria Hassouna, M.D., B.Ch., Ph.D.
Professor of Medicine, Division of Thrombosis
Elsa D & Carl E Rehberg Hematology Research Professor
Dr. Hassouna is the first Rehberg Hematology Professor (2007 to present) and under her leadership the laboratory is engaged in coagulation, red cells and lymphocyte research and clinical laboratory investigation. Two patents were awarded: Patent # 5,051,357 describes the first person in the world with a second biochemical cause in protein C associated with thrombosis. The patent documents resistance to inactivation of both activated factor V and factor VIII by activated protein C (APC) in a 33 year old individual with recurrent thrombosis since age 21. The second patent, US Patent # 5,525,477: Method for Diagnosing Blood Clotting Disorders was awarded in 1997.

Mohamed Hassanein, M.D.
PGY 2 Internal Medicine Resident
Alexandria University Faculty of Medicine

Lilit Karapetyan, M.D.
PGY 2 Internal Medicine Resident
Yerevan State Medical University Named for Mkhitar Heratsi