

Andrie Panayiotou

PhD student

Department of Biological Sciences
University of Cyprus

Personal Profile

When I finished my studies in biology in Greece, I never intended to return to my starting point. Circumstances, however, brought me where I am now.

There was an opportunity for a PhD at the University of Cyprus in the department of biological sciences so I took it up.

Research Profile

The subject of our research is “The influence of biochemical and genetic factors on arteriosclerosis”.

We have randomly chosen two villages in Cyprus to do our studies,

Pedoulas and Nissou. The response of the people was very satisfactory. We check with ultrasound the two carotids and two femoral arteries and we take a blood sample to correlate the results with the DNA.

Our aim is to correlate the biochemical and genetic elements with the measurements we take from the ultrasound scans.

The measurements give us the accumulation of fat on the walls of the arteries. It is these atheromatous plaques which cause future brain seizures and heart attacks, which result in many fatalities nowadays.

The break-through of our study is that along the four arteries we study, we can detect what kind of plates we have to deal with through the ultrasound measurements. An atheromatous plate can be unstable and may break down causing an infraction of the heart or it can be stable causing no problems until you become 90 years old.