



University of Cyprus
Department of Biological
Sciences

POSTGRADUATE SEMINAR ANNOUNCEMENT

Seminar Series 2022-2023



**Wednesday,
01 February 2023
at 5:00 pm**

**in Building CTF
01, Room 108**

*The seminar is open to
the public.*

Dr. Apostolos Malatras

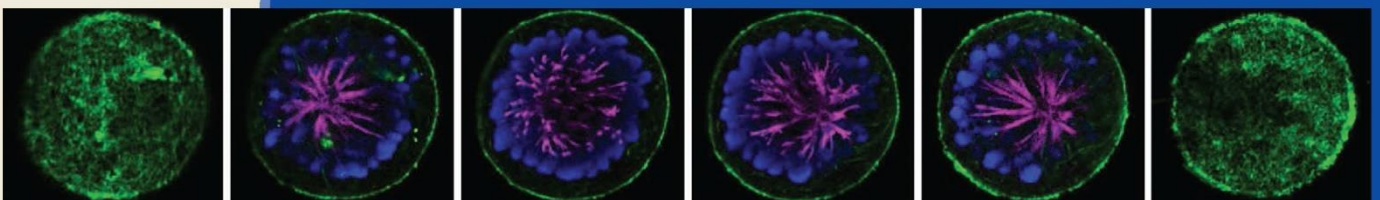
IT Manager, Senior Bioinformatician

**Center of Excellence in Biobanking and Biomedical
Research,**

**Molecular Medicine Research Center,
University of Cyprus**

“Explore Gene Co-expression in Normal and Pathological Muscle”

MyoMiner is a muscle cell- and tissue-specific database that provides co-expression analyses in both normal and pathological tissues. Many gene co-expression databases already exist and are used broadly by researchers, but MyoMiner is the first muscle-specific tool of its kind. High-throughput microarray experiments measure mRNA levels for thousands of genes in a biological sample and most microarray studies are focused on differentially expressed genes. Another way of using microarray data is to exploit gene co-expression, which is widely used to study gene regulation and function, protein interactions, and signaling pathways. These co-expression analyses will help muscle researchers to delineate muscle pathology-specific protein interactions and pathways. Changes in co-expression between pathological and healthy tissue may suggest new disease mechanisms and therapeutic targets. MyoMiner is a powerful muscle-specific database and is available at <https://www.sys-myio.com/myominer>



For more info visit: <https://newdev.ucy.ac.cy/biol/latest-news/seminars/>