

❖ Course Title	Isolation of Neonatal Mouse/Rat Cardiomyocytes for <i>in vitro</i> studies
❖ About this course	Neonatal Rat/Mouse Cardiomyocytes are one of the most commonly used primary culture of cardiomyocytes <i>in vitro</i> which are applied for physiological-, cellular, and molecular studies. They can be cultured for a good period of time that is sufficient for genetic manipulation as well as tissue engineering and other cardiovascular research purposes. These cells are spontaneously beating and are very helpful for physiological studies on cardiomyocytes.
❖ Audience: Level (BSc. MSc., PhD, etc.)	Undergrad and graduate students of all branches of Biology, Medicine, and Pharmacology
❖ Department ❖ Instructor	Stem Cells and Developmental Biology Sara Pahlavan
❖ Modules/Resources	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4541493/
❖ Course Requirements	No special requirements
❖ Registration Costs	250 \$
❖ Duration:	1 full day and a half day