

❖ <b>Course Title</b>	<b>Differentiation of Human Pluripotent Stem Cells to Cardiomyocytes (hPSC-CM)</b>
❖ <b>About this course</b>	<ul style="list-style-type: none"> <li>- Participants would be introduced to the principles of the current method of inducing hPSCs to differentiate into CMs in vitro.</li> </ul>
❖ <b>Audience:</b>  Level (BSc, MSc., PhD, etc.)	BSc, MSc and PhD
❖ <b>Department</b>  ❖ <b>Instructor</b>	Department of Stem Cells and Developmental biology
<b>Modules/Resources</b>	<ul style="list-style-type: none"> <li>- History and applications</li> <li>- Introducing the difference between heart and heart cells with other organs of the body</li> <li>- Cellular composition and signaling pathways of the heart</li> <li>- The introduction of various methods for differentiation of hPSC-CM</li> <li>- Principles for differentiation of hPSC-CM</li> </ul> <p>Hassan Ansari (PhD student)</p>
❖ <b>Course Requirements</b>	Principles for the cultivation of animal cells Principles for the Cultivation of Human Pluripotent Stem Cell
❖ <b>Registration Costs</b>	200 \$
❖ <b>Duration:</b>	2 Days