

❖ <b>Course Title</b>	<b>Differentiation of Pluripotent Stem Cells to Germ Cells</b>
❖ <b>About this course</b>	<p>This course includes theoretical and practical session.  In this course we try to explain the theoretical aspect of course including:</p> <ol style="list-style-type: none"> <li>1. Biology of Pluripotent stem cells</li> <li>2. Development of Primordial Germ Cells</li> </ol> <p>In the practical session we aim to educate</p> <ol style="list-style-type: none"> <li>1. Culture of mouse Embryonic Stem Cells.</li> <li>2. Differentiation of mESC to Epiblast like cells</li> <li>3. Differentiation of Epiblast like cells to Primordial Germ Cells</li> </ol>
❖ <b>Audience:</b>  Level (BSc. MSc., PhD, etc.)	BSc. MSc., PhD, MD
❖ <b>Department</b>  ❖ <b>Instructor</b>	Stem Cells (Germ cells)  Dr. Esfandiari, Faezeh Moraveji
❖ <b>Modules/Resources</b>	Esfandiari et al., Macromol Biosci, 2017
❖ <b>Course Requirements</b>	Mesc line. Culture medium, Growth Factors
❖ <b>Registration Costs</b>	250 \$
❖ <b>Duration:</b>	1 day