

** In The Name of God **

**Department of Physiology
The Medical School
Shiraz University of Medical Sciences**

**ADVANCED MOLECULAR CELL BIOLOGY
(Ph.D. in Physiology)**

1st Semester (1399-1400)

Time: Tuesday, 10-12

<u>Date</u>	<u>Title</u>	<u>Lecturer</u>
	Cell Chemistry	M.SM
	Membrane Structure + Cell Junction	M.SM
	Cell Adhesion & Extracellular Matrix	M.V
	Cytoskeleton (1.5 session)	M.V
	Molecular Structure of Genes and Chromosomes	M.SM
	DNA Replication	M.SM
	Cell Signaling	M.V
	Cell Signaling	M.V
	Transcription I	M.V
	Transcription II	M.V
	Translation	M.V
	Techniques in Molecular Cell Biology	M.V
	Intracellular Compartments & Protein Sorting	M.SM
	Intracellular Vesicular Transport	M.SM
	Mitochondria	M.SM
	The Cell Cycle (1.5 sessions)	M.SM

Abbreviation:

M.SM = Dr M. Shid-Moosavi

M.V = Dr M. Varedi

References:

A = Molecular Biology of the Cell (2015) by B. Alberts, *et al*

L = Molecular Cell Biology (2013) by H. Lodish, *et al*

Ess = Essential Cell Biology (2014) by B. Alberts, *et al*

