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|  | **Program Information** | | |
| **NO.** | |  | |
| **Program Type** | | Degree Based …………….....  Non degree-Based ……..…. | □  □ |
| **Level of Study** | | Undergraduate ………..……  Master …………………..……...  PhD ………………………..…….  Post Doc …………………..…..  Specialty ………………..…….  Subspecialty …………………  Fellowship ……………..……..  Short term Course ………… | □  □  □  □  □  □  □ |
| **School** | | School of Medicine, Mashhad University of Medical Sciences | |
| **Department** | | Molecular Medicine Group, Dept. of New Sciences and Technologies | |
| **Major/ Name of Program** | | Molecular Medicine and Biomedical Sciences | |
| **Keyword(3 Words)** | | Molecular Medicine, Biomedical Sciences, Cardiovascular Diseases, Cancer Biology | |
| **Language Requirement** | | English | |
| **Admission Requirement** | | Post Doc, Fellowship, and Short term Course | |
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| **Description (500 words)** | | According to the potentials of our department, Molecular Medicine group, *Department of New Sciences and Technologies,* we would like to propose the following items:  We are pleased to welcome Ph.D. and Post-doc students from abroad in our educational programs and research facilities.  In our programs, we will have several courses and research programs in the area of Cancer, Cardiovascular diseases, and Nano-Medicine.  For more information about the area of our research, please visit the “research programs” option.  The following courses are proposed for our future program   1. *Genetics Engineering* 2. *Molecular Medical Genetics* 3. *Molecular Epidemiology* 4. *Clinical Genetics* 5. *Innovative Cancer Therapies* 6. *Gene regulation in human disease* 7. *Cancer Genetics* 8. *Bioinformatics* 9. *Cell Signaling* 10. *Molecular Biology Techniques* 11. *Molecular Pathology*   Research programs   1. We are interested in (1) novel anticancer drugs targeting key signaling pathways, (2) investigating the role of microRNAs in the aggressive behavior and chemo resistance of cancer, (3) discovering new prognostic and predictive biomarkers, and (4) candidate polymorphisms related to clinical outcome 2. *Bio-bank, human samples*: In our cities, we have several big teaching hospitals performing retrospective and prospective trials related to the Cardiovascular Diseases and Cancer. We currently have a *Bio-bank* of more than 15000 samples (DNA, serum, plasma, hair and nail) usable for this program in subjects with Coronary Disease and Metabolic Syndrome, and obesity and diabetes | |
| **Complete Description** | |  | |
| **Program Detail** | |  | |