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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** | Pharmacy |
| **Department** | Pharmaceutical Nanotechnology |
| **Major/ Name of Program** | Preparation and characterization of Nanoliposomes containing drug or nucleic acid |
| **Keywords (3 Words)** | Nanoliposomes, Drug, Nucleic acid |
| **Language Requirement** | English |
| **Admission Requirement** | PharmD or PhD (Pharmaceutics, Biotechnology), Fluency in English |
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| Contact Person Name : Dr Mahmoud Reza Jafari |
| **Description (500 words)** | This program was organized to help promising young researchers from different countries to improve their practical skills and broaden their perspectives in Pharmaceutical Nanotechnology. Participants are expected to bring the acquired knowledge and skills back to their home countries and take part in researches related to design and preparation of Nanoparticulate Drug Delivery Systems especially nanoliposomes. The program is intended to be flexible to meet the needs of individuals. the duration is 3 months. This program highlights different aspects of liposome preparation and characterization. Some topics in the suggested program are as follows:1. Learning different methods of preparation of liposomes
2. Learning different methods of characterization of liposomes including measurement of size and zeta potential, TEM studies, etc
3. Learning different method to evaluate the efficacy of nanoparticles in both in-vitro and in-vivo conditions

School of Pharmacy (Mashhad University of Medical Sciences, Mashhad, Iran) is among the well-known centers in the Middle East for liposome studies. Several PhD students have been trained in the School of Pharmacy up to now. Different high-quality papers have been published by researchers of the host department. |
| **Complete Description** |  |
| **Program Detail** | Regular Teaching Events* YJournal Club
* YLectures
* YLab Technique Presentations
* YResearch Studies
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