**International Summer School of**

**Lasers and Biomedical Photonics**

**September 5-10, Tehran 2020**

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|  | **Sat, Sep 5** | **Sun, Sep 6** | **Mon, Sep 7** |
| 8:00 - 9:00 | **Registration and opening**  Prof. Mohammadreza Razaghi |  |  |
| 9:00 - 10:30 | **Lasers in medicine: from past to now**  Prof. EzeddinMohajerani, PhD | **Lasers in Dermatology: treatment**  Leila Atiae-Fashtami, MD | **Basics of Phorobiomodualtion (PBM)**  Gholamreza E.Djavid, MD, PhD |
| 11:00 - 12:30 | **Biomedical Photonics: future perspective**  Pro. Valery Tuchin PhD | **Non-Thermal CO2 Lasers in Muco-Cutaneous Lesions**  NasrinZand, MD | **Clinical Application of PBM**  SiamakBashardoustTajali, PhD |
| 12:30 - 13:30 | Lunch | | |
| 13:30 - 15:00 | **Lasers in Dermatology: diagnosis**  Leila Atiae-Fashtami, MD | **Laser Safety**  Afshan Shirkavan, PhD | **Critical Appraisal of**  **Biomedical Photonics Research**  Siamak Bashardoust Tajali, PhD |
| 15:00 – 16:00 | **Live Optical Imaging in skin: Device Demo**  Dr. Ansari PhD | **Dermatology Clinic: lecture and visit**  Seyed Mehdi Tabaie, MD | **Lab visit of PBM**  Gholamreza E.Djavid, MD, PhD |

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|  | **Tue, Sep 8** | **Wen, Sep 9** | **Thr, 10** |
| 9:00 - 10:30 | **Lasers in Ophthalmology**  Parvis Parvin PhD | **Lasers in Urology**  Prof. Mohammadreza Razaghi | **Lasers and Light in Cancer treatment**  Gholamreza E.Djavid, MD, PhD |
| 11:00 - 12:30 | **Lasers in Neurosciences**  Prof. Ahmad Amjadi PhD | **Low level laser therapy (LLLT)**  Mohsen Fateh M.D, MPH | **1.Cancer PDT**  **2. Decontamination with photonic techniques**  Prof. Vanderlei S. Bagnato PhD |
| 12:30 - 13:30 |  | | |
| 13:30 - 15:00 | **Nano-photonic in Medicine**  Mohammadreza Sharifimehr, PhD | **Optoacoustic Imaging**  Mohammadali Ansari, PhD | **Confocal Laser Scanning Microcopy**  Prof. Hoeesin Baharvand |
| 15:00 – 16:00 | **Optogenetics**: **Applications and Challenges**  Shirin Farivar PhD | **Optical tomography**  Prof. Marjaneh Hejazi | **3D tissue printing**  Somayeh Kazemnezhad, PhD |
| 16:00-17:00 |  |  | **Closing Session** |