**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** |