Speaker Name

Hsia-Wei Liu

Current Position

Dean, Office of Business Development, Fu Jen Catholic University

Professor, Department of Life Science, Fu Jen Catholic University

Education

Ph.D., Department of Chemical Engineering, National Tsing Hua University (2006)

M.S., Department of Biomedical Engineering Chung Yuan Christian University (1997)

Executive Master of Business Administration, National Chengchi University (2017)

Professional experience

Professor, Graduate Institute of Applied Science and Engineering, Fu Jen Catholic University

Associate Professor, Department of Life Science, Fu Jen Catholic University

Assistant Professor, Department of Life Science, Fu Jen Catholic University

Visiting Scholar, Institute of Physics, Academia Sinica

Researcher, Material and Chemical Research Laboratories, ITRI

Postdoctoral Fellow, Department of Orthopedic Surgery, Chang Gung Memorial Hospital

Honor/Awards

Recipient of Special Outstanding Talent Award of the Ministry of Science and Technology (2015-2023)

Recipient of Marquis Who's Who (2017/2019 Edition)

Advisor of Student Merit Paper Award at 2013 Joint Symposium on Biomaterials and Controlled Release

Recipient of Excellent Paper Award at 2010 Annual Meeting of Taiwanese Society of Biomedical Engineering

Recipient of Best Paper Award at 2009 International Symposium on Ligaments & Tendons

Biography Brief

He has been the director of Biomedical and Photonic Interdisciplinary Research Center at Fu Jen Catholic University since 2015, and has been working on the academic and medical innovation research platforms featuring polymer hydrogels, nanomedicine-based photothermal therapy, microfluidic-based droplet and 3D bioprinting for tissue engineering.

Selected Publications

1. **Hsia-Wei Liu**, Wen-Ta Su, Ching-Yi Liu, Ching-Cheng Huang. Highly organized porous gelatin-based scaffold by microfluidic 3D-foaming technology and dynamic culture for cartilage tissue engineering. *International Journal of Molecular Sciences* 2022; 23(15): 8449
2. Wen-Ta Su, Ching-Cheng Huang, **Hsia-Wei Liu***. Evaluation and preparation of a designed kartogenin drug delivery system (DDS) of hydrazone-linkage-based pH responsive mPEG-Hz-b-PCL nanomicelles for treatment of osteoarthritis. *Frontiers in Bioengineering and Biotechnology* 2022; 10: 816664
3. Ching-Cheng Huang, Ying-Ju Chen, **Hsia-Wei Liu***. Characterization of composite nano-bioscaffolds based on collagen and supercritical fluids-assisted decellularized fibrous extracellular matrix. *Polymers* 2021; 13(24): 4326
4. Jui-Teng Lin, Jacques Lalevee, **Hsia-Wei Liu***. Efficacy analysis of in situ synthesis of nanogold via copper/iodonium/amine/gold system under a visible light. *Polymers* 2021; 13(22): 4013