



Speaker

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Multiple Carcinoma Targetable CAR for Immune Cell Therapy

Research Interest

- Cell-based therapy.
- Immunomodulatory regulation.
- Molecular cell biology.

In 2008, Dr. Chiu had been recruited as a faculty member to China Medical University. His research is focused on the field of immune modulation & cell-based therapy, and collaborated with the clinical teams in the China Medical University Hospital. Nowadays, his professional work has been developed into two themes: (I) Cell physiology and inflammatory signaling mechanisms. (II) Translational cell therapy. In the first part, outcomes focused on the cell cycle and signaling regulation study is to find that downstream molecules of Aurora-A could govern the mitosis progression, tumorigenesis and nuclear targeting of NF- κ B in cell proliferation. Application of cell therapy is the second part and has two directions; one is to link with immunological studies for autologous dendritic cell/tumor antigen (ADCTA) immunotherapy of gliomas and the other is to establish the system of adult stem cell application. The ongoing interest is to translate cellular and molecular mechanistic findings into cell-based approach for clinical applications.