

官振翔醫師 Chen-Hsiang Kuan, MD, PhD



現職及工作經歷：

2021.8~迄今 臺大醫學院 臨床助理教授
2015.7~迄今 臺大醫院 外科部整形外科主治醫師
2012~2015 臺大醫院新竹分院 整形外科主治醫師
2008~2012 臺大醫院 外科部整形外科住院醫師暨總醫師

教育經歷：

2014.7-2020.6 國立臺灣大學醫學院 臨床醫學研究所 博士
2010-2012 國立臺灣大學醫學院 臨床醫學研究所 碩士
1999-2006 國立臺灣大學 醫學系 醫學士

研究經歷：

2020 臺灣大學醫學院臨床醫學研究所 指導教授:賴鴻緒教授 林頌然教授
博士論文：頭頸部顯微重建傷口癒合與無疤痕癒合機轉之研究
2013 清華大學 材料工程學系 指導教授:王子威博士
協同合作: 組織材料工程應用於傷口修復，藥物傳遞，癌症控制
2012 臺灣大學醫學院臨床醫學研究所 指導教授:湯月碧教授
碩士論文：以三維電腦斷層影像分析老化對華人眼眶及中臉骨骼的影響

訓練及得獎經歷：

2019.7-2021.8 美國加州大學爾灣分校 幹細胞研究中心 研究員
2020.6 台大醫學院北美基金會最佳主治醫師
2018 台灣再生醫學學會論文競賽 佳作

論文著作

1. Ho CY, Wang CC, Wu TC, Kuan CH, Liu YC, Wang TW. Peptide-functionalized double network hydrogel with compressible shape memory effect for intervertebral disc regeneration. Bioengineering Translational Medicine. 2022;e10447. (IF= 10.684, R/C=12/98, ENGINEERING, BIOMEDICAL)
2. Hsieh PH, Huang WY, Wang HC, Kuan CH, Shiue TY, Chen Y, Wang TW. Dual-responsive polypeptide nanoparticles attenuate tumor-associated stromal desmoplasia and anticancer through programmable dissociation. Biomaterials. 2022 May;284:121469 (IF= 15.304, R/C=4/98, ENGINEERING, BIOMEDICAL)

3. Griffin DR, Archang MM, **Kuan CH**, Weaver WM, Weinstein JS, Feng AC, Ruccia A, Sideris E, Ragkousis V, Koh J, Plikus MV, Di Carlo D, Segura T, Scumpia PO. Activating an adaptive immune response from a hydrogel scaffold imparts regenerative wound healing. *Nature Materials*. 2021 Apr;20(4):560-569 (IF= 47.656, R/C=4/345, MATERIALS SCIENCE, MULTIDISCIPLINARY)
4. Jin S, Guerrero-Juarez CF, Zhang L, Chang I, Ramos R, **Kuan CH**, Myung P, Plikus MV*, Nie Q*. Inference and analysis of cell-cell communication using CellChat. *Nature Communications*. 2021 Feb 17;12(1):1088 (IF= 17.694, R/C=6/74, MULTIDISCIPLINARY)
5. **Kuan CH**, Chung MJ, Hong RL, Tseng TY, Tai HC, Cheng NC, Hsieh JH, Horng SY, Lai HS. The impacts of intra-arterial chemotherapy on head and neck microvascular reconstruction. *Journal of the Formosan Medical Association* 2020 Oct;119(10):1524-1531
6. **Kuan CH**, Yang HW, Huang HF, Lee LJH, Tseng TY, Hsieh JH, Cheng NC, Lai HS. Prognostic significance of positive surgical margins for scalp angiosarcoma. *Journal of the Formosan Medical Association* 2021 Jan;120 :217-225
7. Lin TY, Chiu CJ, **Kuan CH**, Chen FH, Shen YC, Wu CH, Hsu YH. IL-29 promoted obesity-induced inflammation and insulin resistance. *Cellular and Molecular Immunology* 2020 Apr;17(4):369-379.
8. Jian WH, Wang HC, **Kuan CH**, Chen MH, Wu HC, Sun JS, Wang TW. Glycosaminoglycan-based hybrid hydrogel encapsulated with polyelectrolyte complex nanoparticles for endogenous stem cell regulation in central nervous system regeneration. *Biomaterials* 2018 Aug;174:17-30. (IF= 15.304, R/C=4/98, ENGINEERING, BIOMEDICAL)
9. Chang YC, Chen MH, Liao SY, Wu HC, **Kuan CH**, Sun JS, & Wang TW. Multichanneled nerve guidance conduit with spatial gradients of neurotrophic factors and oriented nanotopography for repairing the peripheral nervous system. *ACS Applied Materials & Interfaces* 2017;9(43): 37623-37636.
10. Lee YH, Wu HC, Yeh CW, **Kuan CH**, Liao HT, Hsu HC, Wang TW. Enzyme-crosslinked gene-activated matrix for the induction of mesenchymal stem cells in osteochondral tissue regeneration. *Acta Biomaterialia*, 2017;63:210-226.
11. Wang TW, Yeh CW, **Kuan CH**, Wang LW, Chen LH, Wu HC, & Sun JS. Tailored design of multifunctional and programmable pH-responsive self-assembling polypeptides as drug delivery nanocarrier for cancer therapy. *Acta Biomaterialia* 2017 Aug;58:54-66.
12. Lin CJ, **Kuan CH**, Wang LW, Wu HC, Chen Y, Chang CW, Huang RY, Wang TW. Integrated self-assembling drug delivery system possessing dual responsive and active targeting for orthotopic ovarian cancer theranostics. *Biomaterials* 2016 Jun;90:12-26.
13. Wu YF, Wu HC, **Kuan CH**, Lin CJ, Wang LW, Chang CW, Wang TW. Multi-functionalized carbon dots as theranostic nanoagent for gene delivery in lung cancer therapy. *Scientific Report*. 2016 Feb 16;6:21170.
14. Lai HJ, **Kuan CH**, Wu HC, Tsai JC, Chen TM, Hsieh DJ, Wang TW. Tailored design of electrospun composite nanofibers with staged release of multiple angiogenic growth factors for chronic wound healing. *Acta Biomaterialia* 2014 Oct;10(10):4156-66.
15. **Kuan CH**, Lin CY, Hsiao JK, Chen JS, Han YY. Prognostic factors of survival from Intractable oronasal bleeding after successful transarterial embolization. *Journal of Oral and Maxillofacial Surgery* 2015 Sep;73(9):1790-4