Chunming (CM) Wang, *PhD, FRSB, FRSC*

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Chunming (CM) Wang is a full Professor at the University of Macau (UM). His research focuses on tissue regeneration and cell therapy, as supported by over 20 funding grants from both government and industry, notably including Sinopharm-UM funding (2024), Macau Key R&D Project (2022), NSFC Excellent Young Scholars Fund ('you qing', 2020), and 'Qi-Huang' Youth Scholars (2020). These generous supports have enabled the thriving of his laboratory, with 100+ journal publications and 2 inventions successfully translated into clinical trials. CM won several awards in science and technology from Macau and China and was consecutively elected to the Fellow of the Royal Society of Biology and the Royal Society of Chemistry, UK.

CM joined UM in October 2012, began his independent research as an Assistant Professor, and was promoted to Associate Professor in August 2018 and to full Professor in August 2022, respectively. Before joining UM, he received his BSc and MSc degrees in Biochemistry from Nanjing University (China) and PhD in Biomedical Engineering from Nanyang Technological University (Singapore) and undertook his postdoctoral training at the University of Cambridge (UK), under the joint supervision of Wilhelm Huck (Chemistry) and Fiona Watt (Biology).

In addition to research, Prof CM Wang currently serves as the Director of the Global Affairs Office at UM, committed to promoting collaborations between UM and institutions worldwide. Before this appointment, he served as the Director of the Research Support Office at UM (2022-2024) and as the Deputy Director of the UM Zhuhai Institute (2022-2023).

Please visit his institutional website (https://sklmqcm.um.edu.mo/chun-ming-wang/) and LinkedIn (linkedin.com/in/drwangcm) pages for more information and opportunities.

A list of 10 recent papers

1. YW Li[#], AH Wang[#,*], M Galluzzi, J Esquena, R Yong, HH Liu, L Dong, **CM Wang***. An Engineered Phase Separation Culture System to Accelerate Immunocyte Activation by Enhancing Intracellular Liquid-Liquid Phase Separation. ***Cell Biomaterials***, 2025, 1, 100177;

2. M Liu[#], HM Deng[#], CY Liu[#], LT Wang[#], ZK Liao, DS Li, Y Chen, JH Li, JH Dong, XY Sun, **CM Wang***, L Huang*, L Dong*, J Xiao*. Islet transplantation in immunomodulatory nanoparticle-remodelled spleens. ***Science Translational Medicine***, 2025, adj9615;

3. ZC Liao[#], Y Liu[#], CH Chen, IM Lei, L Dong, **CM Wang***. A highly adaptable hydrogen bond re-orientation (HyBRO) strategy for multiscale vasculature fabrication. ***Advanced Materials***, 2025, 2417734;

4. Y Liu, TW Chao, YW Li, P Peng, GR Ge, DC Geng, L Dong*, **CM Wang***. An enzyme-proof glycan glue for extracellular matrix to ameliorate intervertebral disc degeneration. ***Nature Communications***, 2025, 16, 3629;

5. ZZ Wang[#], DP Xie[#], JY Li, ZY Zhai, ZJ Lu, XJ Tian, YM Niu, Q Zhao, P Zheng*, L Dong*, **CM Wang***. Molecular force-induced liberation of transforming growth factor-beta remodels the spleen for ectopic liver regeneration. ***Journal of Hepatology***, 2024, 80, 753-63;

6. RY Mu, L Dong, **CM Wang***. Carbohydrates as putative pattern recognition receptor (PRR) agonists in vaccine development. ***Trends in Immunology***, 2023, 44, 845-57;

7. XY Yin, LT Wang, YM Niu, DP Xie, QW Zhang, J Xiao*, L Dong*, **CM Wang***. Unmasking chemokine-inducing specificity in oligosaccharide biomaterial to promote hair growth. ***Advanced Materials***, 2023, 2304655;

8. ZC Liao, YM Niu, ZZ Wang, JX Chen, XY Sun*, L Dong*, **CM Wang***. A non-solvent quenching strategy for 3D printing of polysaccharide scaffolds with immunoregulatory accuracy. ***Advanced Science***, 2022, 9,2203236;

9. RY Mu[#], YH Zhang[#], LL Yan, ZC Liao, YS Yang, HX Su, L Dong*, **CM Wang***. A bridge-building glycan scaffold mimicking microbial invasion for *in situ* endothelialization. ***Advanced Materials***, 2021, 33: 2103490;

10. YX Feng[#], RY Mu[#], ZZ Wang, PF Xing, JF Zhang, L Dong*, **CM Wang***. A toll-like receptor agonist mimicking microbial signals to generate tumor-suppressive macrophages. ***Nature Communications***, 2019, 10: 2272.