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擬招收兩位同學就以下領域一起進行研究：

- (1) 磁性奈米流體。
- (2) 非牛頓流體的流動穩定現象和混合應用。
- (3) 其他(如你心目中對某些研究已有想法可和我討論，如我也感興趣而認為可以勝任指導者)

以下為我近日的一些研究論文可供參考：

- (1) K. Y. Chen, T. H. Lin, C. Y. Yang, K. W. Kuo and U. Lei, “Mechanics for the adhesion and aggregation of red blood cells on chitosan,” *Journal of Mechanics*, **34**(5), 725-732, 2018.
- (2) Y. J. Lo and U Lei, “A continuous flow-through microfluidic device for electrical lysis of cells,” *Micromachines*, **10**(4), 247, 2019.
- (3) Y. J. Lo and U Lei, “Measurement of the real part of the Clausius–Mossotti factor of dielectrophoresis for Brownian particles,” *Electrophoresis*, **41**, 137-147, 2020 (The paper was highlighted as the cover article).
- (4) Yung-Yi Lin, Ying-Jie Lo and U Lei, “Measurement of the imaginary part of the Clausius-Mossotti factor of particle/cell via dual frequency electrorotation.” *Micromachines*, 11(3), 329, 2020.
- (5) Kuan-Yu Chen, Yen-Cheng Chen, Tzu-Hsin Lin, Cheng-Ying Yang, Ya-Wen Kuo and U Lei, “Hemostatic enhancement via chitosan is independent of classical clotting pathways - A quantitative study.” *Polymers*, **12**(10), 2391, 2020.