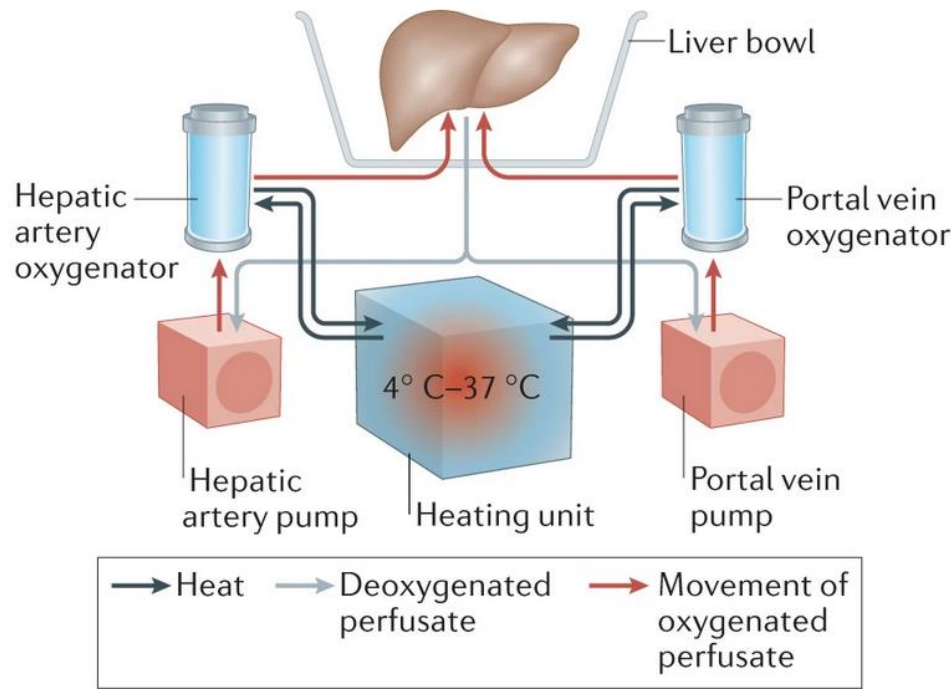
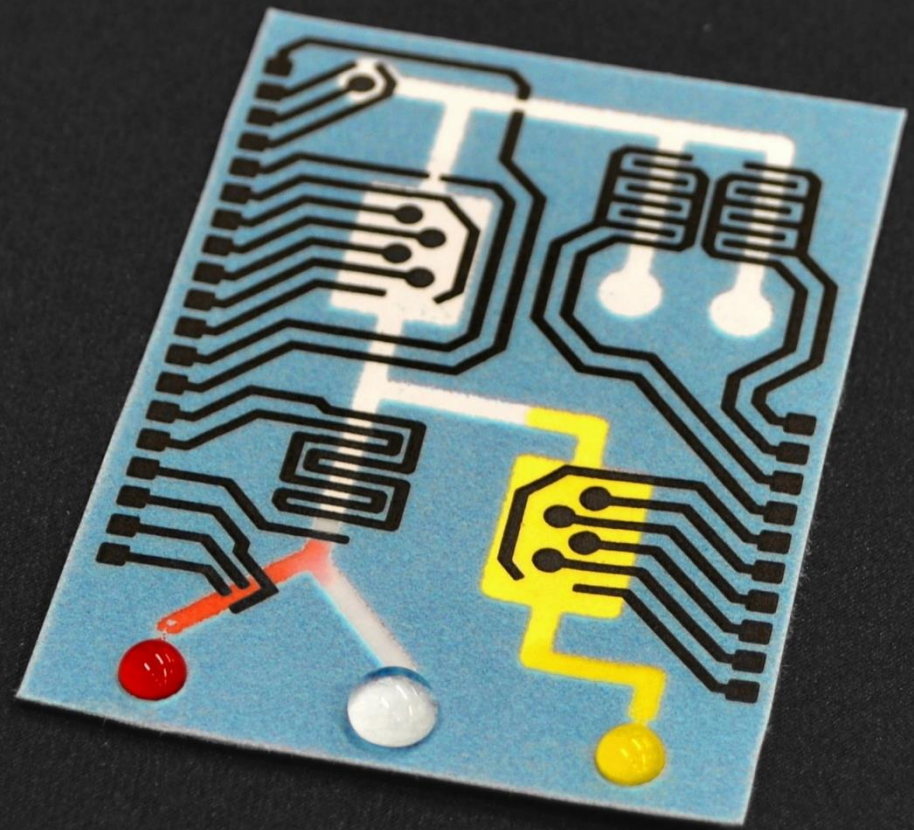


Master Project Electrochemical sensing for reconditioning the liver perfusion

6d464f_7d6c8980e7d443ba913e9086af25a2d~mv2.webp

Objective: Using the paper-based electrochemical sensor to examine the condition of liver being transplanted.

Electrofluidic circuits built on paper



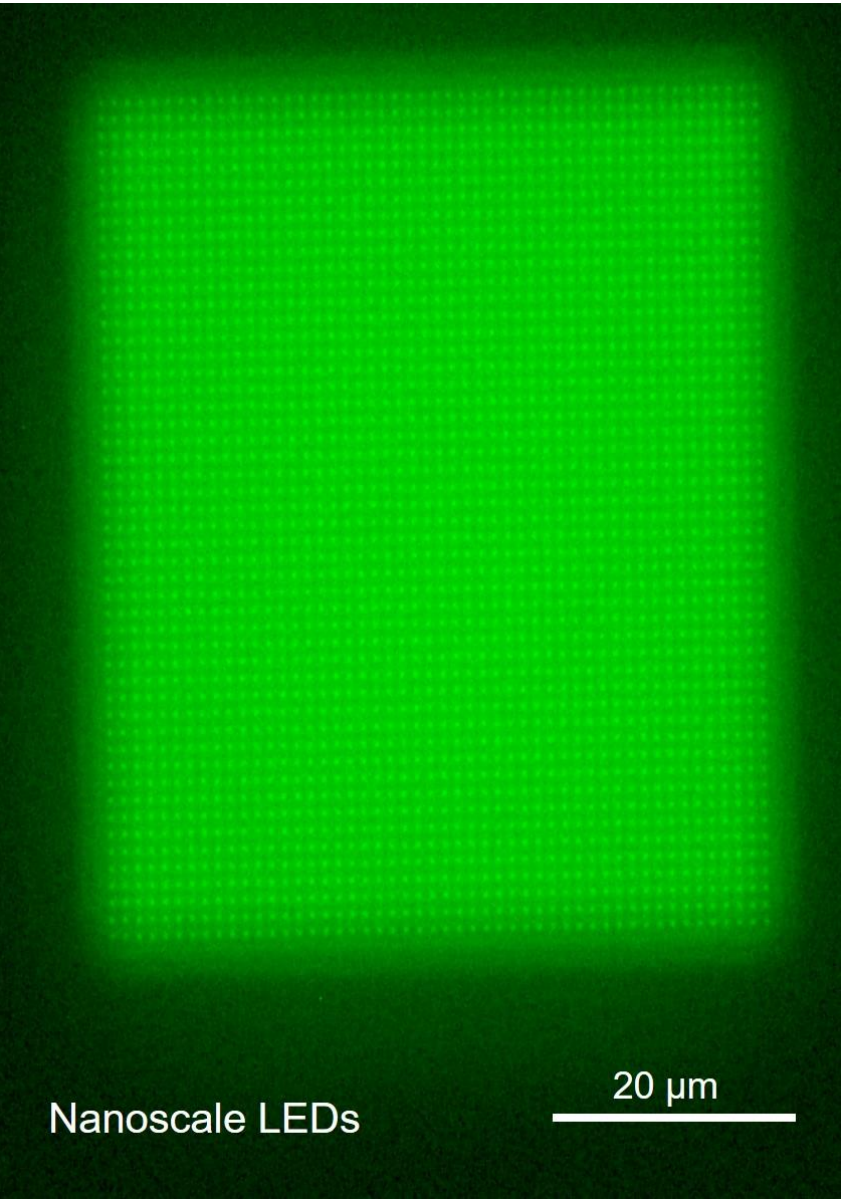
Dr. Dan Richards
(deMello group)



MD. Yong Wang
(Unispital Zurich)

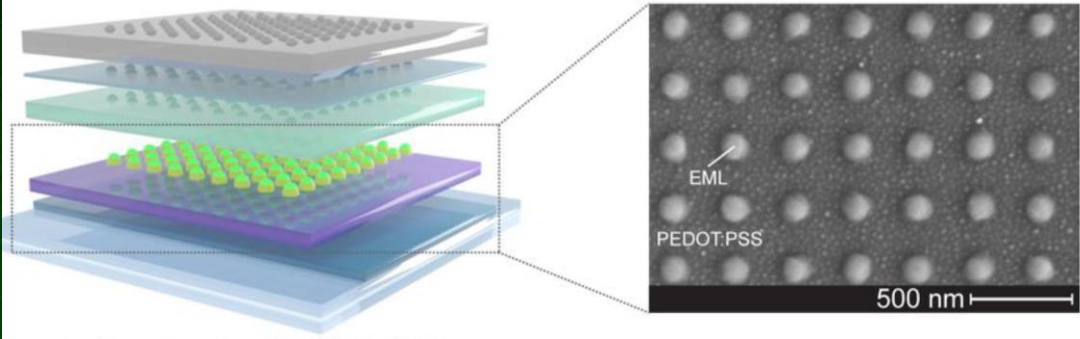
Master Project 2: Exploring nanoscale light sources for super-resolution imaging

Objective: Processing of organic semiconductors for the fabrication of nanoscale organic light emitting diodes for ultimately small light sources.



Nanoscale LEDs

20 μm



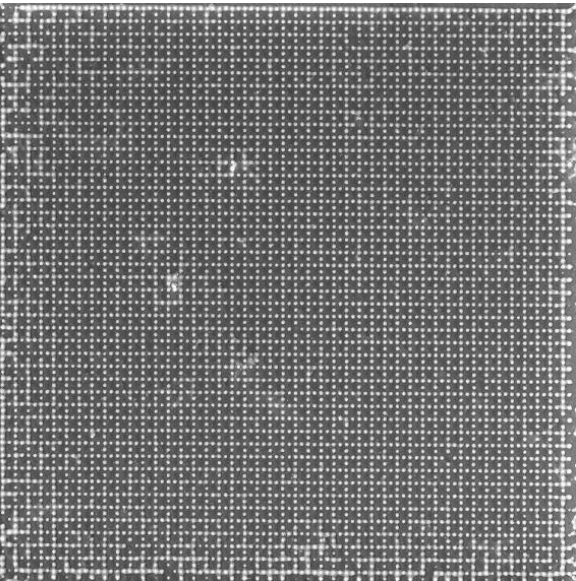
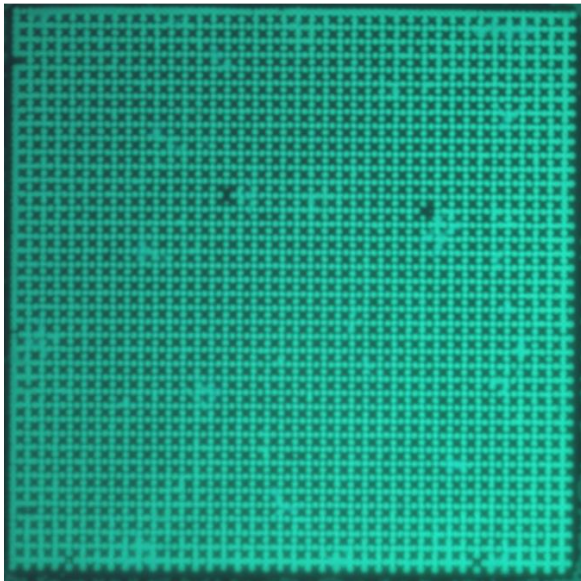
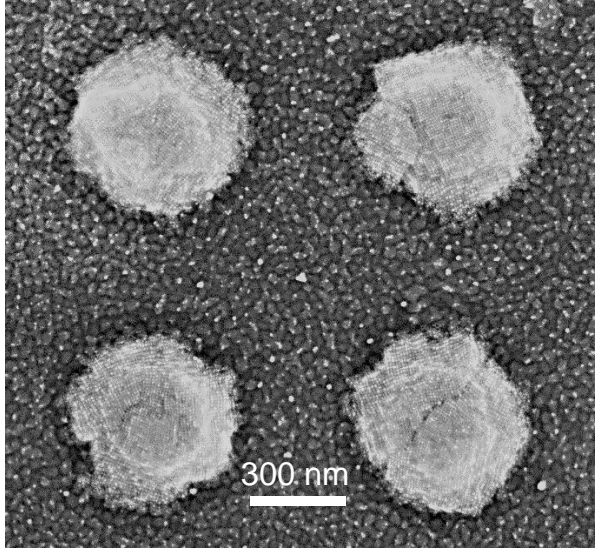
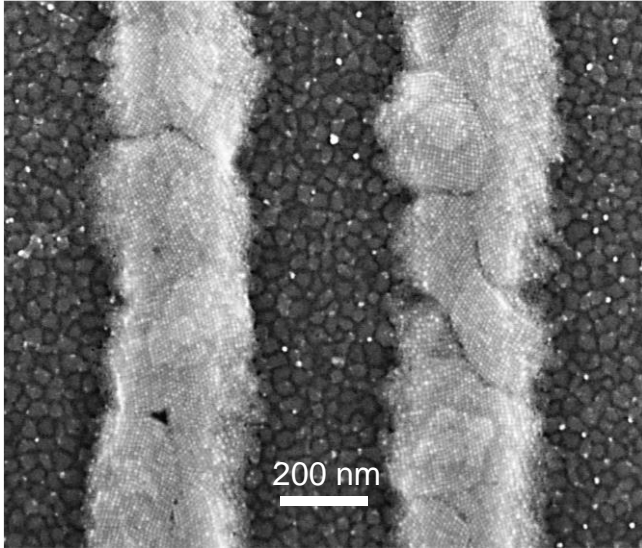
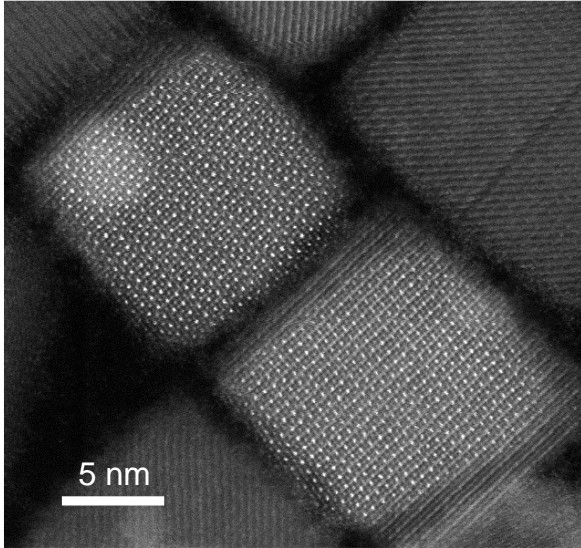
Dr. Tommaso
Marcato



Jiwoo Oh

Master Project 3: Nanoscale Patterning of Quantum Materials

Objective: Developing chemical strategies to scalably form nanoscale patterns made by colloidal quantum materials (such quantum dots and upconversion nanocrystals) for heterointegration.



Donato Carretta

Shao-Wei Lo