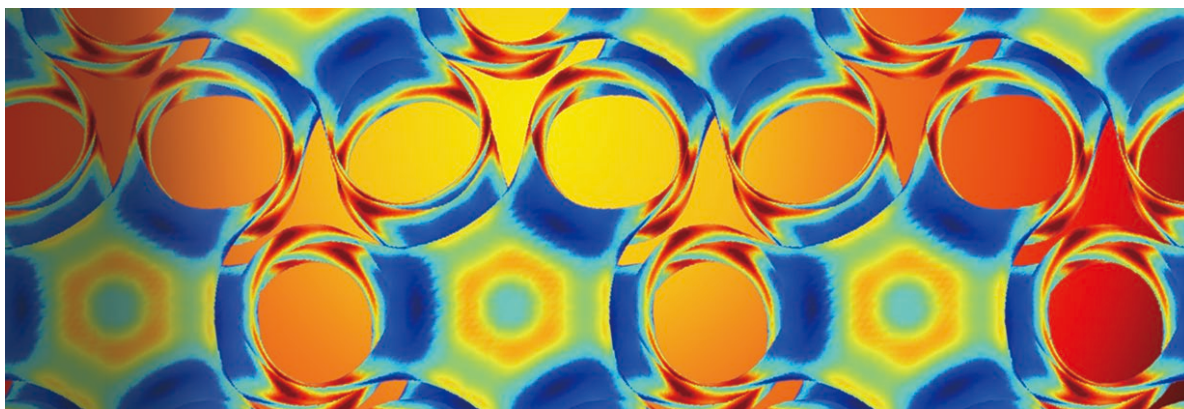


# Research

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## Molecular Engineering Lab



The Molecular Engineering Lab was started by Dr. Sydney Brenner in 2009 to bring together a small team to work on inter-disciplinary projects. We are and will be a small cadre of individuals seeking to explore the intersection of our disciplines in order to find novel applications of our domain expertise.

Our research fellows comprise mostly of freshly minted PhDs looking to develop their own research programme.

The lab has two main areas of focus:

1) Molecular Engineering and 2) Modelling Human Biology with stem cells.

### **Areas of interest:**

- Nucleic acid amplification and detection
- Molecular Diagnostics
- RNA functional and structural characterization
- High Throughput Sequencing assay development and analysis
- Molecular Evolution
- Gene Therapy
- Developing novel chemistry probes for imaging