| Team | Wiki Page | Title | Problem | Solution | Summary |
|---|---|---|---|---|---|
| IIT-Roorkee | https://2020.igem.org/Team:IIT_Roorkee/Parts | Pyomancer | Hospital Acquired Infections from multi-drug resistant bacteria | Antibacterial fusion protein | Design of novel antimicrobial protein complexes made by fusion of pyocins and bacteriophage tail fiber proteins |
| IISER-Berhampur | https://2020.igem.org/Team:IISER_Berhampur/Model | FRaPPe | Lack of antivirals or vaccines against Dengue Virus | FRET based high throughput screeing method | FRaPPe system when cloned and transfected will report which peptides work best in interrupting host-virus PPIs |
| Manchester | https://2020.igem.org/Team:Manchester | Hipposol | Coral bleaching associated with traditional sunscreen products | Hipposudoric acid to act as a natural sunscreen | Used retrosynthesis and Flux balance analysis to design a biochemical pathway to generate hipposudoric acid |
| Harvard | https://2020.igem.org/Team:Harvard | MOTbox | Developing a delivery system for antibodies against COVID-19 | Machine Learning with DNA origami | Designed and computationally validated a novel DNA origami nanostructure to selectively deliver the optimized antibody sequences to immune cells for rapid antibody production in vivo |
| Stanford | https://2020.igem.org/Team:Stanford/Description | SEED | Lack of resources for testing during the COVID-19 Pandemic | Self-replicating diagnostic system | Creating a cell that is a live test that can infinitely replicate itself, be grown anywhere around the world, and wouldn't require any expertise or lab equipment to administer or read |