Subha Das

Associate Professor at Carnegie Mellon University

Pittsburgh, PA, US

Subha Das has helped developed conditions for click-chemistry for the rapid modification and functionalization of DNA and RNA.

Biography

Projects in the Das Lab are centered on nucleic acids chemistry. Subhja Das has helped developed conditions for click-chemistry for the rapid modification and functionalization of DNA and RNA. With these he can rapidly get branched nucleic acids. Branched RNAs are mimics and probes for biologically important regulatory RNAs and branched DNAs are opening up new avenues in nanotechnology. Additionally the Das Lab is exploring nucleic acid polymer hybrids as novel materials and delivery agents for RNA based therapeutics. Projects in the Das lab are multi-disciplinary and reflect collaborative efforts with the labs of Mark Macbeth (Carnegie Mellon University, Biological Sciences), Linda Peteanu, Bruce Armitage, Krzysztof Matyjaszewski (Carnegie Mellon University, Chemistry) and Vamsi Yadavalli (Virginia Commonwealth University, Chemical and Life Science Engineering).

Industry Expertise

Research, Education/Learning, Chemicals

Areas of Expertise

Nanotechnology, RNA Biochemistry, Organic Synthesis, Future of Science, Nucleic Acids Chemistry, RNA-Protein Recognition

Education

Auburn University

Ph.D