



Thermo Fisher Scientific is actively seeking external technologies and intellectual property for product development in the following growth areas. We look forward to discussing opportunities from your institution in these areas.

- **Next Generation Sequencing:** Sequencing-based applications; computational hardware and bioinformatics tools; breakthrough DNA sequencing technologies
- **Genetic Analysis:** Novel real time PCR and Digital PCR instrumentation, reagents, applications, and computational tools for PCR analysis; Rapid human identification for forensics.; nucleic acid purification and extraction
- **Molecular Diagnostics:** Cancer and inherited disease diagnostics; sensitive high multiplex mutation detection assays; automated sample preparation; clinical grade annotation and informatics tools.
- **Food Safety and Animal Health:** Food, beverage and water testing for pathogens and contaminants; animal health testing and trait selection tools;
- **Life Sciences Research:** Molecular-based delivery tools (i.e. transfection); methods and reagents for protein quantitation and single molecule detection; high throughput cell analysis, flow cytometry cell sorting (FACS), high content screening; *in vivo* animal imaging
- **Chromatography and Mass Spectrometry:** Separation technologies, mass spectrometry technologies; data processing methods or tools.
- **Rare Cells & Single Cells:** Technologies for capture, isolation, and analysis of single cells, including circulating tumor cells, circulating nucleic acids, and exosomes.
- **Synthetic biology:** In-cell genomic synthesis, assembly, and multi-loci editing; Ultra low cost accurate synthesis of long oligo constructs; Molecular and informatics tools; Metabolic modeling systems.
- **Cell Biology:** iPSC and other stem cell workflow tools, including reagents and methods for reprogramming, differentiation into specialized lineages, and synthetic media/supplements for enhanced culture, expansion and preservation of iPSC. Next-gen transfection method; reagents and media for immunotherapy applications.
- **BioProduction:** Bioproduction for a broad range of cells, culture yield and safety improvements, including cell engineering for improved titer, stability, quality attributes; continuous bioprocessing; analysis of recombinant protein quality attributes.

The following information is helpful in assessing opportunities:

Nonconfidential description of technology, including a statement of the scientific problem addressed

Publications (if any)

IP Status (pending, issued, application numbers)

Contact information

Opportunities identified in these growth areas can be directed to:

Traci Libby, CLP

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Life Sciences Solutions

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ThermoFisher
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We look forward to partnering with your organization.