



Dharmacon Products is part of Thermo Fisher Scientific, the world leader in serving science. Thermo Fisher Scientific enables customers to make the world healthier, cleaner and safer by providing analytical instruments, equipment, reagents and consumables, software and services for research, analysis, discovery and diagnostics. With annual sales of more than \$9 billion, Thermo Fisher Scientific has 30,000 employees and serves more than 350,000 customers in pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, universities, research institutions and government agencies as well as environmental, industrial quality and process control settings.

Dharmacon Research, Inc. was founded in 1995 by Stephen Scaringe, Ph.D. to develop and commercialize a new technology for RNA oligonucleotide synthesis. The original Dharmacon focus and vision was to develop 2'-ACE® RNA technology as the standard for RNA synthesis and to advance RNA oligo-dependent applications and technologies. When RNA interference (RNAi) emerged in the late 1990s, Dharmacon was poised to provide RNAi-related products to the multitude of academic and industry researchers. Dharmacon has become an important resource for those investigating the mechanisms of siRNA (small interfering RNA)-induced gene knockdown and applying the specificity and potency of RNAi to human biotherapeutics. Dharmacon's expertise in bioinformatics, RNA biology, and synthesis chemistry has allowed it to develop a complete line of products for the RNAi researcher, including *SMART*selection™ designed siRNA, *SMART*pool® siRNAs carrying a guarantee of at least 75% silencing of any specific gene, the *siGENOME*™ siRNA collection targeting all unique genes in the human genome, and *siARRAY*® siRNA Libraries targeting gene families or genes involved in specific cell pathways; *siARRAY* sets are also available in Reverse Transfection Format.

In November of 2002, Dharmacon Research, Inc. officially changed its name to Dharmacon, Inc., to reflect the increasing capabilities and future growth potential of the company, as it had advanced beyond research and development and into whole solutions for RNA oligo-dependent applications and technologies. In March of 2004, Dharmacon became a wholly owned subsidiary of Fisher Scientific International, Inc. In November of 2006, Fisher Scientific International, Inc. merged with Thermo Electron Corporation to become Thermo Fisher Scientific.

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Position Name:

Custom Manufacturing Manager

Position Location:

Lafayette, CO

Position Summary:

The Manager of Custom Manufacturing oversees all aspects of the synthesis and the process of customized RNA/DNA oligonucleotide orders.

Duties include, but may not be limited to:

- Supervise Custom Manufacturing staff
- Review, modify and create Standard Operating Procedures (SOPs) and training materials for Custom Manufacturing
- Review current and implement best procedures for reagent handling and preparation
- Participate in the design and implementation of automation systems in the Custom Manufacturing laboratory
- Propose alterations in processes and procedures to streamline custom production operations
- Provide reports and updates to management

Technical Duties Include:

- Synthesis and purification of highly modified RNA/DNA oligonucleotides, including those containing substantial modifications of the phosphate, base and/or sugar moieties
- Develop new methods/processes for production and purification of custom oligos
- Perform analytical testing on synthesized oligos to determine purity and quality
- Responsible for ensuring effective operation of all stages of oligo production an efficient and cost-effective manner while meeting delivery and quality expectations
- Assist to identify, evaluate and validate new technologies that can benefit custom production operations

Minimum Requirements/Qualifications:

- Bachelor's degree in chemistry or biochemistry; Masters degree preferred
- 5+ years of laboratory experience in nucleic acids synthesis
- Experienced in laboratory automation
- 3+ years supervisory experience

Additional Desired Qualifications:

- Excellent communication skills, both written and verbal
- Ability to multi-task and manage competing priorities

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Interested applicants are encouraged to apply on line at www.thermofisher.com

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