



Job Title: Scientist – Molecular Biology

Company Information: OriGene Technologies (Rockville, MD) is a biotech company commercializing millions of gene-related reagent tools for life science research. Recognized globally as one of the world's largest sources for cDNA clones, recombinant proteins and antibodies, OriGene continues to drive innovation in CRISPR, assay development and in vitro diagnostic field. For more information, please visit our website: www.origene.com

Summary of Position

This is a hands-on, R&D and production position responsible for developing new products and manufacturing molecular biological products for the OriGene's customers. For the R&D role, it will be mainly focused on own specialized area, which is aligned with company business goals, and involved with generating new ideas for new product development, deriving information from multiple sources to design a research plan and executing experimental strategy leading to the achievement of successful project goals. The incumbent in this position will manage product line (s) and perform the experiments independently following SOP to generate QC passed molecule biological products and to deliver the final products to the customers within required time frame. In addition, launching new product and service is a major goal for this position.

Responsibilities and Job Duties

- Product line (s) management and products manufacture
- Generate new product ideas
- Write project proposal
- New product development
- Experiment design
- Follow SOPs to perform independently some of following molecular biology experiments, but not limited to those:
 - DNA cloning
 - Plasmid DNA preparation
 - RNA purification
 - Genomic DNA preparation
 - Cell culture for different cell lines
 - Adeno-associated viral particle production
 - Lentiviral particle production

- Retroviral particle production
 - Characterization of viruses
 - Reagent preparation
 - DNA restriction enzyme digestion
 - Gel electrophoresis
 - DNA fragment purification
 - DNA ligation
 - Plasmid DNA transformation.
 - DNA quantitation.
 - PCR
 - Primer design
 - Sequence analysis
 - Transfection
 - Real-Time PCR
 - Western blot
 - Genome editing using CRISPR-Cas 9
- Design and execution of product validation experiment.
 - Final product delivery.
 - Operate and maintain laboratory instruments independently.
 - Perform data analysis and generate clear and concise research report.
 - Keep laboratory records up to date in a timely manner.
 - Writes protocols and technical reports.
 - Presents experiment data and conclusions, both verbally and in writing at department and/or cross departmental team meetings.
 - Presents data at scientific conferences, and may publish data in scientific papers.
 - Manages one or more product line, prioritizes and executes to ensure high quality products delivered to customers timely, and responds to customer requests timely and with accuracy.
 - Contributes to identify new product and service ideas.

Minimum Qualifications

Education & Experience

- BS degree in Biology, Biochemistry or in a related life science field with a minimum of 6 years of related industry experience or PhD in related life science field with one or two years of related industry experience.
- DNA cloning and molecular biology skills are required.
- Excellent experience in some of specific molecular biological field.

Knowledge, Skills and Abilities

- Familiar with new product launch process.
- Communicates effectively within own team and cross functionally on all matters.

- A team-player. Work well in a cross functional team environment.
- Ability to multi-tasks under pressure.
- Possesses good computer skills, familiar with various software applications including Microsoft Outlook, Word, Excel, and Power Point.
- Willing to share information and resources within groups and cross functionally to meet business needs of others, and respond to business needs with flexibility.
- Deals with conflict calmly, seeking resolution by active listening and compromise.
- Admits mistakes and take responsibilities for actions.
- Ability to anticipate the needs of the team and department and work to meet those needs.
- Cultivates an environment that promotes positive dynamics within and across departments, and encourages and facilitates collaboration across departments.
- Ability to identify root cause and develop a solution to solve the issue independently with creative thinking.
- Ability to plan and prioritize time and tasks to perform multiple assignments efficiently and independently, and demonstrate high level productivity.
- Ability to troubleshooting when experiment failed.
- Ability to prioritize multiple assignments base upon business and customer needs
- Ability to respond to data and technical issues by providing solutions that are practicable, thorough and consistent with company's objectives.
- Ability to manage multiple projects, distributes under pressure, and balances workloads among team members to enable team works efficiently.
- Fosters an environment where innovation and creativity are encouraged.
- Understand and comply with ethical, legal and regulatory requirements applicable to our company.
- Highly organized and self-motivated.

Preferred Qualifications

- Working experience in adeno-associated viruses is preferred.
- Master in adobe Photoshop is a plus.
- Skills to use Sequencher, primer and CRISPR gRNA design software.

To apply for this role, please send your CV/Resume along with a cover letter to jobs@origene.com. Please Reference "Scientist – Molecular Biology" in the Subject Line.