

Scientist (PKPD)

Neofluidics LLC - San Diego, CA

\$65,000 - \$70,000 a year

Neofluidics LLC, is a microfluidic tool-based company. Our R&D facility is at 6650 Lusk Blvd, Suite B102, San Diego, CA-92121, 6650 Lusk Blvd, Suite B101, San Diego, CA-92121, and Corporate office at 4110 22nd Place, Lubbock, TX-79410 (www.neofluidics.com). We develop novel microfluidic chip based smart tools for a variety of applications such as ELISA, biochemical assays, cell culture and related assays, 3D culture and spheroid culture, single cell trapping and analysis, cell tagging, antibody bonding, organs-on-chip etc. Also, we have chip based platform technologies for fluid viscosity analysis and density measurements.

We currently have an exciting opportunity for a highly motivated and innovative full-time SCIENTIST (expertise in PKPD) in our San Diego R&D facility. The candidate will be part of the Core Technical Team to design, conduct and assist in day-to-day experiments and related functions. As a Scientist, the candidate will play an integral role in expanding applications of Neofluidics' technologies.

Key Project Responsibilities:

- Utilize pharmacokinetics (PK) and pharmacodynamics (PD) expertise in designing experimental studies
- Practical experience with cell-based systems to perform mechanistic ADME studies is preferred
- A strong understanding of DMPK principles and their application to drug discovery and early development phase is required
- Utilize molecular biology techniques to run experiments on microfluidic devices developed by engineering team at Neofluidics, especially PKPD studies, drug discovery and screening, ELISAs, biochemical assays and other relevant assays.
- Perform and maintain mammalian and microbial cell culture and run cell based assays such as cell viability, immunostaining, new pathway analysis, etc.
- Assist the engineering team in optimizing various microfluidic devices/tools.
- Design and execute experiments for testing and validation of protocols to be run on devices/systems.
- Maintain equipment such as plate reader, liquid handler, microscopes, autoclaves, cell culture hood, and incubators.
- Work as R&D TEAM MEMBER to strengthen the research division of Neofluidics.
- Coordinate with other team members to create innovative tools, optimize them and troubleshoot and problems.

Duties:

- Initiate, direct and execute scientific application development within defined target time-frames through individual studies and managing a small team.
- Take a leadership role on projects and guide technical areas independently through the following phases:
 - a. Design and demonstration of scientific feasibility
 - b. Application development and optimization to achieve commercial levels of stability, robustness, and performance
 - c. Validation of product performance and competitive product sustaining
 - d. Make decisions involving designing, performing, troubleshooting, analyzing and presenting experiments
- Work collaboratively with scientific, engineering, and commercial teams, and closely with external collaborators on projects.
- Identify critical factors in development of projects and recommend technical decisions that impact their overall success.
- Identify and manage complex technical risks, creative solutions to problems and actively participate in improving methods.

- Analyze large complex datasets, write reports, present results and make recommendations to Senior Management.
- Identify new opportunities for innovative products and workflows using the company's core technologies.
- Deliver results in a fast-paced product development environment with willingness to hands-on.
- Maintain the strict confidentiality of sensitive information.

Requirements:

Required education:

- Preferred: Ph.D. in Pharmaceutical Sciences/Pharmacokinetics/Pharmacology/Biological Sciences or related discipline (with 1-5 years of experience)
- Optional: Post-Doctoral experience in the area of pharmacokinetics/pharmacodynamics/pharmacology/biological/molecular/biomedical sciences

Required skills:

- Experience with in-vitro/in-vivo pharmacokinetics and pharmacodynamics
- Experience with pharmacokinetic modeling of biologics and additionally experience with appropriate software tools (e.g., Phoenix WinNonlin, MATLAB/Symbiology etc.) is strongly preferred
- Proficiency in cell culture, various cell biology and molecular biology techniques is required
- Experience with high throughput screening using liquid handling systems
- Deep understanding of physiologically relevant cell based assays (absorbance/fluorescence/luminiscence) using 3D and 2D cell based models
- Experience with antibody based assays, ELISA, EIA, genomics, proteomics, PCR, western blot, electrophoresis, RNA/DNA extraction, cloning
- Experience with microscopic techniques and staining/immunochemistry skills
- Proficiency in MS Office, Outlook, Photoshop etc.
- Excellent communication skills and adaptive to a time-line driven work environment
- Exceptional multitasking skills, attention to detail and ability to work independently are required
- Proven track record in translational research that demonstrates development of pre-clinical/clinical biomarkers
- Goal orientated, self-driven, motivated, and well organized
- Apply statistical methods to design appropriate experiments and determine confidence in experimental results.
- Collaborate with custom product vendors, expert contractors and outside teams to improve platform performance and reliability.
- Able to work extended hours as required.

Benefits:

Salary: \$65,000-70,000/year (non-negotiable)

- increments and promotions subject to annual/semiannual review
- surprise bonuses and short vacation packages, subject to satisfactory progress made
- health benefits (complete health coverage plan with 75% covered from company and 25% from employee)
- Appropriate relocation assistance provided, in case required
- Flexible leave policy
- Biweekly company outing for lunch and recreational activities
- Local candidates preferred (Greater San Diego and Greater Los Angeles area)
- US citizens preferred (no sponsorship provided right now)

Neofluidics LLC is an equal opportunity employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability or any other legally protected status.