

**NextGen In Vitro Diagnostics** is the company that is transforming the world of Infectious Disease Diagnostics through the use of technology to make diagnosis Accurate, Affordable, and Accessible to the majority of population.

One of the biggest bottlenecks India's healthcare systems facing today is the unavailability of fast, accurate, and affordable diagnostics. This is what led NGIVD to develop and pioneer the use of the advanced Multiplexing technology. Multiplexing technology detects multiple disease biomarkers with just a single sample. The flexibility to use multiple body fluids as samples also allows this novel technology to reach the remotest of location for sample collection and diagnosis. With this technology, it is now possible for people to get an affordable and accurate diagnosis on time thus enabling them to get treatments faster.

If you want to work on novel scientific solutions that will impact and transform the lives of all those around you, then we have openings to lead various projects. Currently, we are hiring for -

- Project/Team Lead – Nanotechnology/ Microfluidics
  - Project/Team Lead – Protein expression and purification
  - Project/Team Lead – Immunology
  - Project/Team Lead – Molecular Biology (Genomics)
- 
- **Location** – Faridabad
  - **Salary** – As per industry standard
  - **Job description** – the details are given below

**Interested candidates can send their updated resume on below mentioned ID's**

**Dr. Pankaj Krishna – [pankaj.krishna@ngidx.com](mailto:pankaj.krishna@ngidx.com)**

**Seema Singh – [hr@ngidx.com](mailto:hr@ngidx.com)**

## Team Lead – Nanotechnology/ Microfluidics

We are currently seeking “Team Lead” (TL) to be part of our development of novel diagnostics technology platform.

- The TL will be responsible for ideation and development of new products and to help expand the company's vision in *in vitro* diagnostics.
- In-depth knowledge of nanotechnology and/ or microfluidics and its applications in life sciences especially in IVD.
- Works independently to develop products based on nanotechnology/microfluidics for POCT use.
- Hands-on involvement in all phases of product development including concept, planning, development, and validation.
- Execute experiments, analyze application data, summarizing results, and prepare presentations to business stakeholders with minor guidance from senior members.
- Actively involved in seeking customer feedback and VOCs with key opinion leaders in the IVD field. Good understanding of current trends in IVD field, market trends and competition in the marketplace.
- Work on multiple projects, mentor and provides technical direction to junior scientists. Interact effectively with peers and leaders as part of a multi-disciplinary team.
- This individual is expected to set a high quality standard for accuracy, in following good laboratory practices, and in complying with all safety regulations.
- As needed, manage projects by authoring project plan and ensuring timely completion of all relevant cross-functional deliverables

### Qualifications:

- MS in relevant science/engineering field (Chemistry, electrical engineering, chemical engineering, biophysics) and with a minimum of 5 years of industry experience in the life sciences
- 1+ years of Product launch demonstrating in-depth understanding of microfluidics technologies
- PhD in relevant science/engineering field (Analytical Chemistry, Physical Chemistry, Electrical Engineering, Chemical Engineering or Biophysics) with either 1-2 years post-doctoral or industry experience
- Excellent knowledge in microfluidic systems or bioengineering or nanotechnology
- Excellent knowledge in DNA/protein labeling chemistry and detection
- Great command of design of experiment
- Strong organizational and interpersonal skills
- Strong sense of ownership, self-starter
- Good verbal and written communication skills
- Ability to work in fast-paced environment

## Team Lead – Protein expression and purification

We are currently seeking a Team Lead - Protein Expression & Purification. The position is predominantly laboratory-based with the successful candidate expected to be involved in a wide range of projects from inception to final product analysis. The ideal candidate will have strong molecular and microbiology or cell biology experience and demonstrated ability to work independently at the bench with a variety of vector platforms and expression systems using both transient and stable modalities. Responsibilities include, but are not limited to: Bulk-scale expression and production of antibodies or recombinant proteins in mammalian cell culture or prokaryotic expression systems, utilising molecular biology techniques (vector design, transfection/transformation, DNA preparation etc), Purifying the produced bio-molecules using a variety of chromatography techniques (Protein A/G, HIS-tag, GST-tag, IEX) and platforms (AKTA, HPLC) and characterising their purity and stability using a range of analytical methods (ELISA, SEC, SDS-PAGE and Western blotting). TL would be able to complete work in a resourceful, self-sufficient manner and is able to design alternative approaches to achieve desired outcomes.

### Key Duties and Responsibilities:

- Designs and conducts elaborate, conceptually connected, multi-component experiments which use a variety of techniques acquired from microbiology/ cellular biology and protein sciences
- Protein science techniques including mutagenesis and recombinant protein production
- Molecular biology techniques including genotyping, PCR, and cloning. Gene expression approaches including qPCR, FACS, and Western blot. In vitro phenotyping methods including ELISA and other assays
- Collates and interprets data systematically, and synthesizes results into a cohesive body of conclusions or recommendations to guide Project decisions and new research activities
- Scours relevant scientific literature and routinely incorporates new insights into research activities
- Explores the feasibility of applying new scientific principles/concepts or implements and validates new experimental approaches and technologies to achieve project goals
- Independently prepares study presentations and presents experimental conclusions at internal Group/Department or Project Team research meetings

### Education and Experience:

- Ph.D. (or equivalent degree) in cell biology, protein biochemistry, human physiology, or a related discipline and relevant post-doctoral or industry experience
- Five (5) years of post-PhD experience in academic or R&D industrial environment required
- A proven track record of delivering high impact results in cell biology and protein biochemistry within academic or pharmaceutical or diagnostics industry settings

## Team Lead – Immunology

We are currently seeking “Team Lead” (TL) – Immunology to be part of our development of novel diagnostics technology platform.

- The TL will be responsible for ideation and development of new products and to help expand the company's vision in *in vitro* diagnostics.
- Directly accountable for diagnostic assay development for early and late stage development programs, optimization, characterization and validation
- Responsible for experimental design, execution, data review and analysis, document writing, and contributing to sections of regulatory submissions.
- Participates in development of the analytical control strategy and anticipates and addresses technical, regulatory, and other business needs
- Generate and thoroughly document results, and maintain instrumentation in a GMP-compliant environment.
- Responsible to be part of the clinical trials and have strong collaboration with stakeholders in partner organizations.
- Inspires innovation and operational excellence and fosters a continuous learning environment.

### Qualifications

- Ph.D. in Immunology with post-doctoral experience
- Expertise in cellular immunology techniques especially multi-color flow cytometry and data analysis (Examples may include; FACS, Diva, FlowJo, Excel, GraphPad Prism)
- Technical proficiency in multiplex assays (Luminex or MSD), ELISA, CLIA and Western blot
- Experience working with qPCR/RT-PCR, gene expression is required
- Knowledge of mammalian cell/tissue culture and sterile technique is required
- Should have exposure of disease biology
- Intellectual curiosity and excitement to learn new techniques and technologies is strongly preferred
- Excellent communication skills to collaborate and empathize with team members of all backgrounds and geographies is required
- Proficiency in creating PowerPoint presentations and presenting data, with ability to analyze what the data indicates and tell us the story of what it means is required
- Lab activities will be ~90% time
- Demonstration of robust oral, written and interpersonal skills.
- Proven ability to work well in a quick paced environment

## Team Lead – Molecular Biology (Genomics)

We are currently seeking “Team Lead” (TL) – Genomics to be part of our development of novel diagnostics technology platform.

- The TL will be responsible for ideation and development of new products and to help expand the company's vision in *in vitro* diagnostics.
- Directly accountable for molecular diagnostic assay development for early and late stage development programs, optimization, characterization and validation of the assay
- Responsible for experimental design, execution, data review and analysis, document writing, and contributing to sections of regulatory submissions.
- Participates in development of the analytical control strategy and anticipates and addresses technical, regulatory, and other business needs
- Generate and thoroughly document results, and maintain instrumentation in a GMP-compliant environment.
- Responsible to be part of the clinical trials and have strong collaboration with stakeholders in partner organizations.
- Inspires innovation and operational excellence and fosters a continuous learning environment.

### Qualifications

- PhD in Molecular Biology, Genetics, Biochemistry or related field
- Five (5) years of product development experience or post-PhD experience in academic or R&D industrial environment required
- Experience in development, optimization and validation of clinical diagnostic tests desired
- In depth knowledge of molecular biology, DNA/RNA and modifying enzymes is a must
- Strong understanding of various approaches for PCR optimization, experience in designing PCR primers and probes.
- Expertise in qPCR, sequencing analysis, bioinformatics, primer & probe designing and DNA purification techniques
- Knowledge of NGS and its workflow
- Knowledge of statistics and data analysis including ability to use analysis tools and statistical software
- Ability to prepare scientific reports, make effective presentations, clearly communicate results and scientific ideal
- Ability to establish good professional relationships and connect with diverse team.
- Passion for problem solving and improving clinical practices