

Job Description



Exciting opportunities at Indo-Irish biotech start up CyGenica (Previously CyCa OncoSolutions)

Position : Project Associate (PA-1)

Location: 700 NIP, NCL Innovation Park, Dr Homi Bhabha Rd, Pashan, Pune, Maharashtra

Cancer is painful. The treatment chemotherapy makes it even more torturous. It makes life miserable for 18 million cancer patients worldwide. Every year we almost lose 50 % of them. As opposed to this imagine a world when cancer patients do not have to be hospitalized again and again to get multiple and massive doses of chemotherapy. That dream of reducing the pain of cancer patients keep us awake. We are working towards enabling safe and targeted delivery of cancer therapeutics (be it chemotherapy drugs or biological (genome editing) therapeutics).

In this journey we are seeking result oriented, talented, dedicated, passionate people who have a sense of urgency to solve problems to join our team and help us pioneer the field of molecular drug delivery and do big, bold things that have never been achieved before and deliver progress towards our mission. Are you full of hope and belief that, working together, we can revolutionize the development of truly transformative medicines to help patients around the world? If the answer is yes, then CyGenica is the place for you. If you want to be part of a multicultural international dynamic team, please send your latest curriculum vitae (CV) and a letter of intent to info@cycaonco.com latest by 15th July. CVs without a letter of intent will not be considered for selection.

Why CyGenica?

CyGenica, an Indo-Irish startup founded in 2017 with funding from top Govt and private organizations. It operates from Cork, Ireland and Pune, India. We have developed a novel programmable biomolecular nanomachine that delivers therapeutic molecules to the precise cellular target. This technology has received international attention and recognition most notably national award from honourable President of India and the most innovative product award by New Frontiers Program, Enterprise Ireland.

We aim to develop the world's safest molecular carrier for drug delivery to improve patients' quality of life. Our long term goal is to grow as an authentic market leader in enabling the next generation genome editing therapeutics for cancer. This is the most exciting time of growth at CyGenica and you have a unique opportunity to contribute to the development of our innovative product and make the endless possibilities of CRISPR-Cas9 technology to positively impact human health especially in transformative cancer therapeutics development.

We are dedicated and continuously implementing strategies to build a welcoming and nurturing work place by empowering everyone to push the boundaries of science and pioneer the future of cancer therapy. This will lead to better outcome for millions of cancer patients suffering worldwide. And regardless of your job title you are adding to that ripple effect of that positive impact in patients quality of life.

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We are committed to live by our values compassion, grit and excellence – that guides our actions and decisions and brings us joy on a daily basis; patient centricity is at the heart and soul of our innovation.

CyGenica is an equal opportunity employer. Explore more about this opportunity and join us in this exciting journey!

Where can you find more?

Website: www.cygenica.com

Twitter: @CycaOncoSol

Linkedin: <https://in.linkedin.com > company > cygenica>

Position Summary:

CyGenica is seeking technical assistant having expertise in standard microbiological methods, recombinant protein expression, purification and characterization by analytical methods. The chosen candidate will express and purify various recombinant proteins, derived from either mammalian or bacterial cells, as reagents to support our gene editing and oncology drug delivery programs. The candidate should have good understanding of common chromatographic methods of protein purification and characterization methods. Good communication skills and an ability to collaborate across functional areas is essential. The candidate will contribute to the group wide deliverables and be required to work on several projects simultaneously presenting results and updates at group meetings. The successful candidate will assist in performing experiments for our preclinical programs and technical transfer to CDMOs and CROs.

Responsibilities:

- Express and purify various recombinant proteins derived from either bacterial or mammalian cells and analyze proteins using a variety of analytical methods (SDS-PAGE, Size exclusion chromatography, affinity chromatography and mass spectrometry)
- Experience in mammalian cell culture and in vitro assays
- Collect, analyze and present experimental data
- Maintain clear and complete experiment records on a daily basis
- Support drafting/revising protocols and standard operating procedures (SOPs)
- Ability to work well within the team and communicate effectively
- Read literature on relevant proteins purification, mammalian cell culture and genome editing
- Adherence to company policies and instructions

Laboratory Management

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- Support and foster a safe and efficient working environment within the Laboratory and ensure the safety of colleagues and visitors and adhere to all health and safety guidelines
- Identifying and sourcing equipment and consumables (ordering and stocking) necessary
- Routine maintenance and troubleshooting of scientific equipment
- Carry out administrative work associated with the program of research as necessary
- Performs any additional tasks or projects as required

Skills & Competencies

- Common chromatographic methods for protein purification (Ion exchange, affinity, size exclusion (SEC) and preparative SEC), SDS-PAGE, western blot
- Hands-on experience with basic molecular biology techniques including plasmid isolation, purification and DNA cleavage analysis
- Experience with cell biology techniques including cell culture, transfection, and fluorescent/confocal microscopy is a plus
- Collaborative, openness, can do attitude, entrepreneurial spirit, proactive, ownership mindset
- Result oriented, organized, delivering progress toward our mission
- Demonstrated respectful attitude towards organization structure, culture and values for maintaining peaceful and motivated environment
- Track record of strong problem solving and troubleshooting skills, organized, ability to prioritize responsibilities, and remain flexible with changing needs
- Must be motivated and able to work under strict deadlines
- Strong written and oral communication skills
- Proficiencies in MS Office and relevant software

What is essential for the role?

- M Sc/B Tech degree in biotechnology/life science/chemistry with 0-2 years of relevant experience in protein expression, and purification (using affinity, ion exchange and size exclusion chromatographic techniques) using AKTA systems
- Strong understanding of analytical biochemistry and experience in protein characterization

What is desirable for the role?

- Industry experience in protein expression and purification
- Experience in GLP certified lab

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What's next?

- Are you already imagining yourself joining us? Good, because we are excited to hear from you.
- Are you ready to bring your skills and attitude to the table? Great! We have one seat available and we hope it's yours.
- If you're curious to know more then please reach out to Fazlul H Krishnan (fazlul@cycaonco.com)