MA

MOHAMMED AZHAR

azharmailbox@gmail.com | +91 9511903995 | Visakhapatnam, Andhra Pradesh 530026

Summary

Assistant General Manager with over 20 years of experience in biotech and pharmaceutical R&D. Proven track record of driving performance and innovation to achieve company objectives. Strong leadership skills with a focus on operational excellence and team development.

Skills

- Molecular biology
- Cell line development
- Novel monoclonal antibody generation
- Antibody engineering
- Protein expression, E. coli, insect, and mammalian
- Protein purification

Experience

Transasia Bio-Medical Pvt Ltd(part of Erba group) | VISAKHAPATNAM
Asst. General Manager
08/2021 - Current

- Head: Monoclonal Antibody and Protein Sciences.
- Successfully generated recombinant IVD antigens and antibodies, from concept to clinic.
- Established and generated monoclonal antibodies through hybridoma and phage display technologies.
- Generated high-affinity rabbit monoclonal antibodies through phage display technology.
- Infectious disease antigens are generated through E. Coli, insect, and mammalian expression systems (established respective labs).
- Designed and established high-expressing mammalian vectors and expression systems, up to gram levels.
- Purification of antibodies and proteins by affinity, ion exchange chromatography, and polishing by SEC.
- Recruiting talent and effectively managing the team for high performance.

Syngene International Ltd | Bangalore
Principal Investigator
07/2017 - 06/2021

- Group leader for the protein expression team
- Stable cell line development for expressing different formats of mAbs in Piggyback expression system
- Mammalian display platform establishment by Lent virus method.

Lupin Ltd | Pune
Research Scientist
10/2009 - 06/2017

- Gene cloning and protein expression bacterial and baculovirus expression systems.
- Stable cell line development for various drug discovery projects.
- Bio-assay optimization & validation

Syngene International Ltd | Bangalore
Senior Scientist
08/2007 - 10/2009

- **Monoclonal antibody development** (Includes animal immunization, hybridoma development,Monoclonal antibody expression)
- **VL and VH cloning** and expression in cell lines. (Includes mRNA isolation, CDNA synthesis, gene cloning, sequence analysis, cloning into an expression vector.)
- **Stable cell line development** for mAB production.

Shantha Biotechnics (SANOFI, India) | Hyderabad
Research Associate
01/2005 - 07/2007

- Monoclonal antibody development
- Stable cell line development for mAb production

Education and Training

JNTU | Hyderabad
Ph.D. in Biotechnology

Academic Profile

PhD title: Cloning, expression and purification of catalytic subunit of human and bovine enteropeptidase-its influence on NF-κB signaling.

Profile Snapshot

Researcher with 19+ years of industrial R&D experience

- Hands on experience in **Stable cell line development** for antibody production in CHO-DG44 and CHO-DUKX cell lines by DHFR amplification method and GS selection method
- Experienced in **Cloning, Protein expression and Purification** in bacterial, baculovirus and mammalian systems.
- **Expertise in Monoclonal antibody generation by hybridoma and phage display**
- Actively involved in new drug discovery research specifically in the area of pain and cancer**.**
- Strong capabilities in **training, team development** and lab management..

Personal Information

- Father's Name: Abdul Rahman
- Nationality: Indian
- Marital Status: Married

Languages

- English
- Urdu
- Telugu
- Hindi

Publications

- Production and purification of recombinant enteropeptidase expressed in an insect-baculovirus cell system, Preparative Biochemistry and Biotechnology, 45, 3, 268-278, 2015, 10.1080/10826068.2014.907185
- High-level soluble expression of bovine enterokinase catalytic light chain with Nus-tag in Escherichia coli, Asian Jr. of Microbiol. Biotech. Env. Sc., 15, 4, 815-821, 2013
- Cloning, expression and purification of human and bovine Enterokinase light chain with Cherry tag and their activity comparison, Indian J. Applied & Pure Bio., 29, 1, 125-132, 2014
- A Quick and Efficient Method to Quantify Baculovirus by Quantitative Real-Time PCR, BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA, 10, 2, 659-663, 2013, http://dx.doi.org/10.13005/bbra/1178

Languages

Telugu: First Language