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## Arpit Khanna

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### *A'percu'*

I am a confident professional with 10+ years of experience in assay biology and synthetic/natural product screening using *in vitro* cell/enzyme based models across different therapeutic domains. I aspire to build a career in a cross functional team collaborating in research and technology development towards innovation of healthcare products, with opportunities to hone my skills so as to deliver efficient, systematic solutions and realize goals in stipulated time frames.

### **Competencies**

- 10+ years of progressive experience in research and development in pharmaceutical industry.
- Good written, communication and interpersonal skills
- Meticulous in identifying key organizational strengths and weaknesses relevant to project planning
- Ability to adapt and succeed in a fast and commercial working environment
- Strong motivational and organizational skills
- Proven ability in mentoring a team of young scientist
- Efficient management skill and proven professionalism in dealing with clients.
- Effective in recognizing, analyzing and solving problems

### **Work Experience**

Senior Associate Scientist in Assay Biology and Screening Group at **Syngene International Ltd., Bangalore.** (August 2015 till date)

- Optimized and validated the biochemical and cell based Kinase assay for screening of compounds using SOX-based fluorescent substrate.
- Successfully designed, developed and qualified the Insulin based Adipogenesis, Lipolysis & Glucose uptake fluorometric cell based assay on 3T3 L1 adipocytes cells.
- Performed Mitogenic potency Luminescence based assay on SaOs2 cells on different insulin analogues.
- Successfully designed, developed and qualified the Insulin Receptor (A & B) Phosphorylation assay on over express CHO cell line using Alpha Screen Technology.
- Responsible for regular Luminescence based screening of compounds on a cell based assay for the human nuclear xenobiotic receptor.
- Optimized and validated screening of compounds on a luminescence based assay to determine the total NAD level in HEK 293, Jurkat and HepG2.
- Have optimized biochemical assay and performed screening for cycteine protease inhibitors.

- Engaging in effective scientific discussions and providing need based solutions for the clients.
- Implementation of Lab automation, eLNB and Data integrity as a part of strategic initiative

Research Associate in *Invitro* Biology Group at **Glenmark Pharmaceuticals Ltd., Navi Mumbai.** (April 2012 – August 2015)

- Optimized and validated regular screening of NCE's on a fluorescent based Amplex red assay in cell as well as in enzyme for ROS determination.
- Responsible for regular in house NCE's screening on calcium no wash assay on a fluorescent detection mode to check the intracellular calcium induced by GPCR signaling on over expressed HEK 293 cells.

Research Associate in Natural Product Microbiology Group at **Piramal Life Sciences Ltd., Mumbai.** (April 2010 – March 2012)

- Responsible for Isolation of different strains of Fungi from different resources, obtaining their pure culture, species identification, preservation, extraction of their secondary metabolites and submission of these samples to screening department for evaluation on different target.

#### ***Conference & workshop***

- Poster presented titled "*Fungi, a potential source of anti-inflammatory compounds*", at the National Symposium on Fungal Biology and Applications, **Punjabi University – Patiala.**
- Participated in the workshop "*Bioassay, Design Development and Validation*" conducted By **United States Pharmacopeia – Hyderabad.**

#### ***Technical Expertise***

- Well versed with Envision multilabel, Tecan spark, BMG labtech Omega, Biotech Citation 5 and Spectra max readers, liquid handling system like Labcyte Echo and Integra assist plus.
- Have good hands-on experience on Animal Cell culture, Cell biology, use of scientific software like Graph Pad Prism, SoftMax Pro.

#### ***Award(s) & Achievement(s)***

- Spot recognition for quality, troubleshooting and delivering project on time at **Syngene International Ltd** in 2018.
- Rewarded by Client like **Baxter and Amgen** for excellence and consistent performance, maintaining quality and turnaround time for their assay at **Syngene International Ltd.**
- Rewarded for excellence and contribution towards strengthening relationship with a new client and opening up the new opportunities for integrated discovery at **Syngene International Ltd.,** in 2016.

- Spot recognition for exhibiting scientific acumen, perseverance and proactive style in troubleshooting an assay on a project at Glenmark Pharmaceuticals Ltd in 2014.
- Rewarded for excellence and dedication exhibited in a Respiratory project at Glenmark Pharmaceuticals Ltd in 2014.

### ***Education***

<b><i>Course</i></b>	<b><i>Board/University</i></b>	<b><i>Percentage</i></b>	<b><i>Year of passing</i></b>
M.Sc. <i>Biotechnology</i>	Punjab Tech. University Jalandhar	73	2007
B.Sc. ( <i>Botany Zoology Chemistry</i> )	Shri Harish Chandra Degree College Varanasi	70	2005
H.S.C (State Board)	Shri Agrasen Mahavidyalaya Varanasi	69	2001
S.S.C (State Board)	Shri Agrasen Mahavidyalaya Varanasi	66	1999

### ***Personal profile***

Mother's name: Late Sadhana Khanna  
 Father's name: Vishnu Ji Khanna  
 Date of birth: 20<sup>th</sup> November 1982  
 Address: CS-41 Ittena neela apartment, Ananth Nagar – Bangalore 560100  
 Language Known: Hindi, English

### ***Declaration***

I hereby declare that the information furnished above is relevant and correct to the best of my knowledge.

Yours Faithfully

(Arpit Khanna)