

# Sailaja Machiraju

Paragon BioTeck, Inc.  
4640 SW Macadam Ave., Ste 80  
Portland, OR 97239

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## EDUCATION

**M.S., Organic Chemistry**, BAM University, India

Graduation date: 2002

Research Focus: Synthetic organic chemistry, medicinal chemistry and ophthalmic pharmaceutical research and development. In particular, I pursued synthesis of various new chemical entities (NCEs), biologically active pharmaceuticals and active pharmaceutical ingredients (APIs), all of which had potential utility as agrochemicals or pharmaceuticals. Finally, I was involved in design, synthesis, process optimization, identification, and characterization of pharmaceutical entities using various synthetic and analytical chemistry techniques.

## RESEARCH EXPERIENCE

### **Senior Research Associate**

*Paragon BioTeck, Inc., Portland Oregon*

2013-Present

- Scientific lead for research and development of ophthalmic pharmaceuticals.
- Management of internal and outsourced clinical research projects.
- Coordination of the various scientific groups with respect to quality assurance and implementation of good laboratory practices (GLP).

### **Research Associate**

*Dr. Reddy's Laboratories Ltd., Hyderabad, India*

2006-2009

- Synthesis, purification, characterization and process optimization of new molecular entities and active pharmaceutical ingredients.
- Performed research activities under current good manufacturing protocols (cGMP).
- Optimized multi-step synthetic routes using modern synthetic organic chemistry methods.
- Developed synthetic organic methods for compounds containing various pharmacologically active natural products and APIs that had anti-diabetic and anti-cancer activity.

### **Research Associate**

*GVK Bio Sciences Ltd., Hyderabad, India*

2002-2005

- Research and development of NCEs and biologically active compounds with potential utility as agrochemicals.
- Design & development of various synthetic routes for biologically active compounds containing various pharmacologically relevant heterocycles, such as benzofuranones, piperazines, thiophenes and pyrazoles.

- Synthesis, purification, characterization and process optimization using various pharmaceutical and analytical method.
- Regularly employed chromatographic techniques such as column chromatography, Jones chromatography, medium pressure liquid chromatography (MPLC), and preparative thin-layer chromatography (TLC).