

## **Synthetic Chemist: Organic, Inorganic or Biochemistry**

Parallel Synthesis Technologies is located in Santa Clara CA and has positions available for scientists at the MS/PhD level with a synthetic chemistry background in organic or inorganic chemistry. Parallel designs tools and methods for the high throughput analysis of genomic and proteomic samples. Although the ideal candidate would have a very general and extensive synthetic background, those with experience in (a) the surface derivitization of polymer, glass or silicon slides, beads, chips and other surfaces and (b) immobilization of DNA and proteins onto these surfaces would be particularly well suited for this position. Familiarity with as many as possible of the following skills, areas, instrumentation and techniques would be highly desirable:

- **General**
  - Safe, organized, efficient and responsible performance in the laboratory
  - Excellent verbal and written communication skills
  - Familiar with common synthetic methodologies
  - Independent design and execution of complex experiments
- **Chemistry**
  - Surface functionalization of solids with silanes and other reactive species; surface immobilization of small molecules
  - Handling of air and moisture sensitive materials
  - Characterization of derivitized surfaces by chemical and spectroscopic means
  - Familiar with handling DNA and protein samples
  - Immobilization of proteins, antibodies and DNA on surfaces
  - Characterization of DNA and protein samples
- **Parallel Synthesis**
  - High Throughput Screening
  - Small volume fluid handling

In addition to the above mentioned chemical skills the attributes listed below would also be very beneficial for the successful candidate:

- Optical characterization of materials, lasers, laser diodes, UV-LEDs, optical encoding technology
- Familiar with laboratory automation and control software such as LabView® and MatLab®
- Mechanical design experience including AutoCAD or SolidWorks
- Silicon micromachining, microfluidics
- Familiarity with the Grant submission process to the NIH and other government agencies
- Any commercialization experience

If you are qualified and interested in this position, please email your resume WITH THREE REFERENCES to [jobs@parallel-synthesis.com](mailto:jobs@parallel-synthesis.com) or fax your information to 408.749.8318.