Junior Engineer - Temporary/Part-time - (Must be immediately available)
http://www.berkeleylights.com/company/careers/

We are an early stage Life Science Technology company seeking smart, detailed-oriented and reliable individuals for short term project assignments. This is a great opportunity for someone interested in working in a start-up company conveniently based in Emeryville, California. Flexible schedule 20 – 40 hours per week, requires time commitment through March, 2016

Please send your resume and a cover letter stating your reason for applying and description of your Excel proficiency

Core Job Responsibilities:
Assist our Applications team with data processing and data verification

Experience/Qualifications:

- New grad, currently pursuing an undergraduate degree in Engineering, Physics or related field.
- Advanced user of Windows OS and Excel
- Highly reliable with excellent judgment and discretion with regard to sensitive and confidential information
- Attention to detail, and highly organized
- Able to produce high quality, highly accurate work product under deadlines.

Berkeley Lights is bringing to market its novel technology for unprecedented single cell identification, capture, manipulation, annotation, and library preparation for sequencing destined to revolutionize biopharma, diagnostics and life science research
Senior Optical Engineer

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We are accepting applications for a sharp, motivated, energetic team player who will take on a key individual contributor role of Senior Optical Engineer. You will help solve the immediate challenge of designing and implementing new optical designs for commercial instruments, beyond the concept and prototype phase.

Ideally, you’ll have deep experience with design engineering, operations, and ramping up, as well as accomplishing related patents. In lieu of extensive years in the optics field and/or patents, we’re looking for a bright engineer with proven evolution of relevant engineering roles and contributions.

You’ll get to collaborate with a cross-functional team of engineers, chip designers, and biologists to develop advanced applications and instrumentation in-house.

Your deliverables and responsibilities:

- Design optical systems for a next generation biotech instrument.
- Develop physical optics simulations to guide optical design and chip design to support our single cell manipulation process.
- Evaluate and recommend sensor technologies and formulate overall detection strategy for fluorescence assay experiments.
- Help lead vendor management and evaluation for selection of LED sources, laser sources and comprehensive illumination strategies.
- Help lead product development processes.
- Generate and protect intellectual property.
- May travel infrequently, as needed.

We want to hear from you if you:

- Have a M.S. or Ph.D. degree in Optics, Physics, EE, or related discipline.
- Have at least 5+ years of hands on experience in optical design, illumination system design, and/or detection strategy.
- Are experienced in successful commercial products and design transfer to manufacturing organizations.
- Are fluent with geometrical optics simulation tools.
- Have a fundamental understanding of sensor technologies, image processing technology; familiarity with scientific image sensor technologies and interfaces.
- Have the interpersonal skills to collaborate seamlessly across an interdisciplinary team of scientists and engineers

Not required, but it would be great if you have:

- Experience bringing commercial optical instruments to market.
- Familiarity with fluorescence microscopy and fluorescence imaging algorithms
- Experience with live cell imaging, photochemistry, molecular biology
**Research Associate / Research Engineer**  
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This is a night/swing-shift position and hours could be 3PM-12Midnight or 11PM to 8AM.

Berkeley Lights, Inc. is seeking an exceptional candidate for the position of Research Associate / Research Engineer to join an interdisciplinary R&D development team at our headquarters in Emeryville. As a key member of the operations team, you will operate, evaluate, and suggest modifications to a rapidly evolving technology platform engaged in single cell assay, culture, and genomic evaluation.

In this new role, you will learn to operate very sophisticated and innovative instruments and support ongoing development of the technology platform. The ideal candidate is a creative and has demonstrated lab skills experienced in techniques of modern molecular and cell biology. You will take ownership for achieving results in biology and technology development programs.

**Required Skills & Experience**

- Minimum of a B.S. degree in Biology, Bioengineering or other multidisciplinary science field with exposure to applications in biological lab testing with 0 to 3 years of experience.
- Experience should include various laboratory techniques applicable to molecular and cell biology such as PCR, HPLC, Western blot, ELISA, flow cytometry, cell based assays or immunohistochemistry, etc.
- Candidates should have demonstrated abilities to follow protocols and workflow instructions with the ability to troubleshoot complex instrumentation.
- Outstanding verbal, written and documentation skills are required.
- Excellent collaboration and interpersonal skills to work well with scientists and engineers having widely divergent backgrounds is required.
- Experienced and confident in a fast paced start-up work environment is required.

**Desired Skills & Experience**

- Sterile Technique is a plus.
- Exposure to microscopy platforms and methods applied to cell-based assays, and cell culture is required.
- Instrument programming and scripting (Python, Matlab, Java for example) capability a plus.
- Strong data analysis skills are a plus. For example, competence with data-mining software (Tableau, Spotfire, etc.).
- Exposure to manufacturing control techniques (ie. SPC) is desired.
- Experience with microfluidic platforms is also desirable.