



# CYPRIS

## **Scientist / Engineer**

### **Hourly, Part Time Position**

Cypris Materials, Inc.

Alameda, CA

### **Company Overview**

Color production is trapped in a dirty chemical process. Little has changed on how the industry makes colors since Dorothy put on her brilliant red ruby slippers or DaVinci painted the Sistine chapel. The Colorant industry painstakingly produces one color at a time, leading to endless recipes for production, the use of dangerous contaminants, and one-off manufacturing processes.

Color is important - It is a critical medium for humans to express, communicate, and inspire. Every industry spends countless hours choosing the aesthetic associated with its brand, logo, and products. Brands benefit from true color innovation yet are burdened with financial and environmental risk from today's colorants. A clean platform approach to how colorants are made and managed can release an innovative rainbow.

Cypris Materials decouples color production from the messy chemistry setting colors free from limitation. The company was founded in Berkeley on 11 patents to commercialize a color platform that broadens the color gamut, reduces manufacturing hassle, simplifies formulation, and doesn't pollute the environment. We accomplish this feat without pigments, dyes, metals, or expensive engineering processes. Our team has developed a paintable biomimetic color platform, called structural color, which integrates bioderived materials, to enable color the world has never seen before. Cypris Materials' technology helps industry-leading companies redefine the capabilities of color to differentiate their brand and product.

### **Position Profile**

Cypris is looking for a motivated application specialist who is driven by the opportunity to make a significant impact at the ground level of a small energetic team with an innovative technology. The successful candidate will be a curious and fast learner that can work efficiently and take initiative. They will have the ability to wear many hats and adapt to changing environments, making good, independent judgement calls and work well in a team to accomplish the highest priority goals.

### **Key Job Responsibilities**

- Work closely with our technical team to formulate new structural color paint/ink systems
- Help design standard operating procedures for both internal use and key industry partners/customers
- Analyze rheological properties of new paint/ink systems
- Develop structural color application techniques and finishing processes
- Analyze optical properties of coated articles
- Supporting role to technical staff as required

### **Required Skills/Experience**

- Pursuing a B.S./M.S./Ph.D. in chemistry, materials science, engineering, or related field
- A semester or more of non-class-based lab experience –or– completion of 2 semesters of organic chemistry
- Excellent oral and written communication skills
- Strong organization and project reporting skills
- Strategic thinking to address technical challenges and provide creative solutions
- Ability to prioritize responsibilities, multi-task, and remain flexible and motivated in a fast-paced startup environment
- Ability to work independently

### **Preferred Skills/Experience**

- Knowledge/experience of/with nail polish – either as a consumer or general enthusiast
- Experience in paint or ink application(s) – especially in screen print or spray application

### **Opportunities in Role**

- Gain experience in design of experiments methodology



- Introduction to materials characterization instrumentation that may include spectroscopy and rheology
- Introduction to broad materials properties testing techniques and specific American Standards for Testing Materials (ASTM) that may include coating hardness testing, coating adhesion testing, paint/ink dry and tack times.
- Biweekly 1-on-1 meetings with CEO and/or CTO

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