**Paid Internship at Local Tech Firm**

* **Interested in Organic Chemistry?**
* **Interested in Physical Chemistry?**
* **Interested in Instrumental Methods/Analytical Chemistry?**

**BaWeKe is a new start-up Chemistry Technology Company based in Branford CT that is focused on chemical analysis of a variety of samples.**

**BaWeKe is looking for a diligent and organized chemistry student to assist in our labs with compound characterization, analyzing environmental samples, and developing novel physical characterization methods.**

**Responsibilities:**

* **Accurately weight and login submitted samples**
* **Updating and maintaining Excel tracking spreadsheets**
* **Accurate draw and update chemical structures as part of our compound database.**
* **Write reports to communicate with collaborators regarding characterization data.**
* **Involvement in review and characterization/analysis of submitted samples.**

**Required Experience and Skills:**

* **3rd or 4th year undergraduate (chemistry major).**
* **Proficient with Microsoft software, especially Excel.**
* **ChemDraw skills.**

**The duties described will require a weekly commitment of between 8-12 hours each week spread throughout the work week.**

**Applicants should send a cover letter and resume to Dr. Webb at** [**webbj6@southernct.edu**](mailto:webbj6@southernct.edu)**, and be prepared to attend an in-person interview.**

**Paid Internship at Local Tech Firm**

* **Interested in Organic Chemistry?**
* **Interested in Physical Chemistry?**
* **Interested in Instrumental Methods/Analytical Chemistry?**

**Red Mercury Inc., a subsidiary of the Electrolytic Marine Salts Company, is a Chemistry Biotechnology Company based in Branford, Connecticut that is focused on chemical analysis of a variety of biological and environmental samples. Our company was founded by the Dr. Dipak Das and initially focused on his pioneering work on the compound, resveratrol. After several years, due to a fortuitous partnership with the technical wizard Charles Redheffer and a large donation from the Trixolan Foundation, Red Mercury’s focus widened to include more projects focused on the environment.**

**We at Red Mercury are looking for a diligent and organized chemistry student to assist in our labs with compound characterization, analyzing environmental samples, and developing novel physical characterization methods. We are funded by a generous donation from the Trixolan Foundation which is very interested in studying environmental data and publishing work in prestigious Scientific Journals such as the Journal for Geoclimatic Studies.**

**Responsibilities:**

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**Required Experience and Skills:**

* **3rd or 4th year undergraduate (chemistry major).**
* **Proficient with Microsoft software, especially Excel.**
* **ChemDraw skills.**

**The duties described will require a weekly commitment of between 8-12 hours each week spread throughout the work week.**

**Applicants should send a cover letter addressing your qualifications and a resume to our CSO, Dr. Jeffrey A. Webb at** [**webbj6@southernct.edu**](mailto:webbj6@southernct.edu)**, and be prepared to attend an in-person interview.**

**Instruments/Techniques Used:**

**TLC (Thin Layer Chromatography, Extractions, Digestions, Column Chromatography, HPLC (High-Performance Liquid Chromatography), FTIR (Fourier-Transform InfraRed spectroscopy), LC/MS (Liquid Chromatography/Mass Spectrometry), Biotage Flash Chromatography**

**Sample Websites:**

[**https://tangenbiosciences.com/**](https://tangenbiosciences.com/)

[**https://sustainableowls.com/**](https://sustainableowls.com/)

[**https://www.virscio.com/**](https://www.virscio.com/)

**Someplace on the site (not too prominent) I think we need to mention this is all fake and not a real company….**

**Note: The following from the ad above are all names taken from famous Scientific Hoaxes:**

**Red Mercury: Supposedly a substance used in the creation of nuclear weapons. All alleged samples of red mercury have been found to be fake and it is largely considered a hoax now.**

**Dr. Dipak Das: Known for his work exploring the “health benefits” of resveratrol, a common chemical found in red wine. While the compound is real Dr. Das’s work was found to have at least 100 fabrications or falsifications of data.**

**Trixolan: Was supposedly a therapeutic agent based on Viroxan, a citronella-based substance. A Dr. used this chemical to treat AIDS patients in the early 1990’s. It was found to be fraudulent in 1994.**

**Charles Redheffer: An American Inventor who claimed to have invented the first perpetual motion machine.**

**Electrolytic Marine Salts Company: In 1896, Prescott Jernegan, a pastor from Middletown, CT, claimed to have invented a method of cheaply extracting gold from Sea Water. Jernegan and a team of investors founded the Electrolytic Marine Salts Company in Lubec, Maine. In 1898, Jernegan disappeared and the gold extractors stopped working. (It was later discovered he and his trained assistant/diver fled to Europe. His assistant had used a diving suit to place gold inside the machines once they were put in the ocean overnight to collect the gold.)**

**Journal for Geoclimatic Studies: A fabricated published global warming study in 2007 identified the Journal for Geoclimatic Studies as an official publication of Okinawa University’s Institute for Geoclimatic Studies.**