

24<sup>th</sup> March 2023

### **6-12 months Internship, starting September 2023: Formulation chemist VLCI-Amsterdam**

VLCI provides R&D services to the formulation industry, focused on the practical implementation of predictive formulation sciences combined with High Throughput screening. Customers benefit from our on-demand approach and sustainable digitalization via web-apps, to drastically save in time and costs, while optimizing formulations efficiently. VLCI has established the world's largest predictive ingredient database of **HSP** and **HLD** from commercial ingredients, linked to web-apps. The data can be obtained for a broad range of ingredients and repeatedly used for the development of all types of formulated systems: coatings, personal care, household, agrochemicals, EOR, pharmaceuticals, etc. Read more at [www.vlci.biz](http://www.vlci.biz) and [www.predapps.com](http://www.predapps.com).

Currently we are looking for a **6-12 months intern, to start in September 2023**, as a HLD **formulation chemist**, for the following internship **description**:

- Learn about one of the applied formulation science (VLCI's core technologies):
  - **HLD** (Hydrophilic Lipophilic Difference), used for efficient surfactant selection, emulsion developments and improvement of properties.
  - **HSP** (Hansen Solubility Parameters), ingredient matching. used for predictions on compatibility and property optimization.
- Obtain predictive ingredient parameters, HLD, for a wide range of selected ingredients, to increase our central database, connected to our web-apps.
- Build test cases with the obtained HLD to formulate via web-apps and test predictions experimentally. Research relations between the obtained parameters and formulation properties such as polymer rheology, product stability, coatings properties etc.
- Apply HLD for commercial projects to perform various hands-on formulation projects in the field of paint & coatings, personal/beauty care, household and polymers.

The **profile requirements** are mentioned below:

- Student for a BSc or preferably MSc in formulation, polymer, material science, or organic chemistry.
- Inventive, out of the box thinking, with strong affinity for formulation science.
- Flexible and willing to work in a dynamic company.
- Good and accurate communication skills, with good command of written and spoken English language.

What we **offer**:

- Challenging internship in a growing and dynamic company with open culture.
- Energetic, flexible and creative internship, serving a variety of international companies.

If you are interested, please send your application letter and CV **before 1<sup>st</sup> May 2023** to:  
Sander van Loon, CEO, [info@vlci.biz](mailto:info@vlci.biz) or Science Park 301, 1098 XH, Amsterdam, The Netherlands.