Job Title: Physicist / Data Scientist

Department: R&D

Reports to: Director of Innovation

Location: Cambridge

Date: 11th Nov 2021

**ROLE OVERVIEW**

Working within a collaborative technical team of diverse skills and expertise, to design, develop, build and test a range of ground-breaking devices for the hair-care and beauty industry based upon sound, fundamental scientific principles. The role is ideally suited to someone with a background in Physics and ideally experience in data science, statistical analysis and programming.

Work will include capturing, extracting, analysing and reporting product, user, and hair performance data using scientific methods and data analysis techniques to drive high performance products in R&D and NPD, and identify future opportunities for the innovation pipeline.

**JOB ROLE AND RESPONSIBILITIES**

* Early stage development of hair, user and product sensing technologies to help define the future of breakthrough product pipeline, including IoT or connected & smart devices
* Support the testing of new technology, utilising physics to define the future of electrical hair styling technologies
* Work with internal matrix resources and external consultants through early phases of developing and creating proof of principle prototypes to showcase holistic feasibility
* Work with the science team to understand latest research in the hair-care and beauty field
* Provide consultancy support for products in life cycle where needed

**KEY SKILLS & ATTRIBUTES**

* Honours degree educated in Physical Sciences, Engineering or similar discipline with demonstrable experience in data science and proven track record of integrating data from multiple sources
* A strong communicator with the ability to convey complex information in a simple manner. Inspiring and influence individuals at all levels of the business.
* Enthusiastic and engaging individual with a passion for research and development
* An analytical thinker with methodical and proactive approach to problem solving
* A hands-on, team worker with ability to collaborate with diverse team of technical expertise
* A broad understanding of a wide range of physics principles, and an ability to identify their applicability to a variety of technical challenges

**The following would be desirable:**

* Previous experience working within consumer product development or general domestic appliances
* Experience working in the lab with mains voltage
* Prior experience / knowledge of some of the following: handling big data, predictive modelling, statistics, machine learning, AI, IoT, signal and image processing, database management, DoE and lab testing
* Python programming experience and related data science libraries (such as Pandas, Numpy, Tensorflow/Keras, openCV)
* Experience working with cloud technologies e.g. Microsoft Azure, AWS