Job Title: Product Development Chemist/Biochemist
Reports to: Product Development Manager
Line manager: CEO
Start Date: As soon as possible
Hours of Work: 37.5 hours per week (full-time)
Closing Date: Open

Please send your CV and a cover letter explaining what you can bring to MediSieve to jobs@medisieve.co.uk

MediSieve Ltd
MediSieve is a small medical device company developing “magnetic blood filtration”: a revolutionary treatment for blood-borne diseases which removes pathogens directly from the bloodstream. Our technology is like dialysis, circulating a patient’s blood through an external loop to remove disease causing targets. While dialysis relies on non-specific size based filtration, MediSieve uses magnetic particles coated with antibodies to target specific components, and magnetic forces to extract them.

Our initial focus is on malaria, the only disease that doesn't require magnetic particles: malaria infected cells are naturally magnetic. In leukaemia our particles target circulating leukaemia cells; in sepsis they target pathogens and endotoxins. In these diseases, MediSieve is used alongside drug treatments, leading to clinical benefits including: improved drug efficacy, reduced side-effects, treating drug resistant patients, preventing disease escalation, and reducing mortality.

More details on www.medisieve.com

Person Specification:
The candidate will have experience working in the functionalisation of surfaces with antibodies, aptamers and other entities, ideally, via oriented conjugation. An understanding of the interaction of the system with whole blood is desirable → the candidate may be a person that has worked in the development of biosensors for the detection of entities in blood or other body fluids (e.g. someone working in the development of a pregnancy test).

The candidate will take responsibility developing new techniques to functionalise beads with antibodies, aptamers and other entities. Their binding efficacy to real clinical targets will be investigated and validated in real clinical conditions.

Experience
- Experience of working in the fields of bead/surface functionalisation - Essential
- Experience of working with antibodies and/or aptamers – Essential
- Experience of working in the field of haematology and blood interaction – Highly desirable
- Experience of working with cell culture (BSL 1 or 2)
• Experience of working with flow cytometry
• Experience of working in the field of blood interaction with medical devices

Skills/Ability
• A clear understanding of the culture of an ambitious start-up company and the processes for influencing changes in strategy or culture in such an environment
• Exceptionally strong analytical and problem-solving skills in relation to product development
• Ability to think creatively and ‘outside the box’ in relation to new product development and optimization

Education/Qualifications
• Educated to first degree standard or equivalent
• Postgraduate Degree or equivalent in biochemical or related discipline

Aptitude
• Excellent oral and written communication skills and the ability to research, draft, critique and present reports on complex issues to a broad range of audiences
• Ability to work independently to manage, prioritise workload and also work collaboratively in a team
• Self-motivated, pro-active, innovative and enthusiastic

Role Outline
The Product Development Chemist/Biochemist will join a three-person Product Development team, working alongside a Product Development Engineer and reporting to the Product Development Manager, Dr Cristina Blanco Andujar.

This is an opportunity to join an award-winning, ambitious start-up at an early stage when you can make a real impact on the company during an exciting stage of development. In addition to a competitive salary, the company operates a generous stock option plan for its employees. The post is newly created and, as such, the post holders will be expected to develop the role with the CEO and colleagues as the company grows. You should have the skills, experience, calibre and energy to make a material impact on the company’s development.

The post is a full-time, permanent appointment in the company, subject to appointment customary performance-based probation review period.

The place of work will be in the company’s new offices and/or laboratories in the Translation & Innovation Hub building at 80 Wood Lane, White City, London, W12 0BZ.

Note: This job description reflects the present requirements of the post. However, the post requires adaptability to changing needs, particularly as the company grows, and will necessarily include other tasks as may be required from time to time. Consequently, as duties and responsibilities change or develop, the job description will be reviewed and be subject to amendment in consultation with the post holder.