



Cline Scientific: Scientific evidence supporting the patent application

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Cline Scientific (Spotlight Stock Market: CLINE B) submits for publication scientific results from the work of developing stem cell therapy for cartilage damage.

The collaboration with a researcher at Sahlgrenska University Hospital and University of Gothenburg has resulted in data that forms the basis for the recently filed patent application aiming to protect a method of producing cartilage cells from stem cells using Cline's technology. Cline's R&D collaboration with the academy has so far resulted in two completed scientific studies as well as data included in the newly submitted patent application.

Organs and tissues such as cartilage and limbs are formed during embryo development by means of gradual changes in the amount of different growth factors. In this way, the cells are prompted by the specific biomolecules to develop into certain cell types. Cline utilizes this phenomenon by attaching these biomolecules to the gold nanoparticles on the gradient surfaces, thereby creating an environment that mimics nature's own nursery. The gradients are thus used during differentiation of stem cells towards cartilage.

"We have been very focused on this work for a long time and it is gratifying that we have now reached an important milestone. We see that the data is interesting enough to constitute both a patent application and at least one scientific article on the subject. Now the work continues on developing a clinical product, where it is customary to publish and patent milestones along the way." Hanne Evenbratt, Product Development Manager.

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Cline Scientific develops advanced cancer diagnostics and regenerative medicine treatments. The company is working heavily with R&D through joint collaborations with pharmaceutical companies and academic researchers around the world. The focus is on projects in the cancerdiagnostic and stem cell therapy fields since Cline's nanotechnology here provides unmet solutions to critical challenges and functions. The unique patented surface nanotechnology is used in cell-based products and processes to drive projects within Life Science into and through the clinical phase.

Cline operates out of Gothenburg, Sweden and was founded in 2012 from a long term research project in surface nanotechnology