

Particle-assisted platform to enhance drug delivery into hair follicles for hair growth stimulation



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SUMMARY

Topical minoxidil is a first-line treatment for several types of alopecia (hair loss). The team has previously developed a particle-mediated delivery method to enhance targeted delivery to hair follicles, potentially increasing efficacy while reducing side effects.

During this funding period, the team will optimize their minoxidil formulation, generate supporting preclinical data on efficacy and safety, validate usability, and consult with regulatory authorities on the clinical pathway for human use.

PROJECT GOALS

- Gather preclinical efficacy and safety data
- Define the clinical pathway by consulting with regulatory authorities

LONG-TERM GOALS

- Develop a more efficacious formulation suitable for market entry
- Reduce side effects and discomfort