

**TAL
TECH**

TalTech is looking for a CEO and co-founder for a new potential startup

Preferred background of the CEO: business development in the field of antimicrobial textile, medical textiles.

LignoQuat Smart Textile

Opportunity and conditions

TalTech annual budget for RD activities is 50M euros.

In order to take research to the market we need multifaceted great teams and therefore we are looking for a CEOs for science based tech startups.

What you get: equity in the company which is based on years of research. Cap Table will be decided together with research partners. TalTech will get equity in the founding stage in the range of 5-10% for exchange of IP.

What we expect from the cofounder:

- describe the best possible product market fit
- personal contribution (time and/or money)
- capability to attract funding (personal and/or investors/grants)

In order to apply for the cofounder position, finish the slides (feel free to add/modify slides) and return them to mirjam.kert@taltech.ee

In case current team members see you fit to be the potential CEO we will arrange a meeting and discuss potential co-founding possibility.

Questions: mirjam.kert@taltech.ee

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PROBLEM

INPUT FROM TALTECH

Textile Antimicrobials Are Toxic, Unsustainable, and Inefficient

- Most antimicrobial coatings rely on metals or synthetic chemicals that pose health and environmental risks.
- Hospitals and professional clothing suppliers need safe, reliable antibacterial performance, especially against biofilms.
- There is growing pressure to replace harmful chemicals with eco-friendly, biodegradable alternatives.

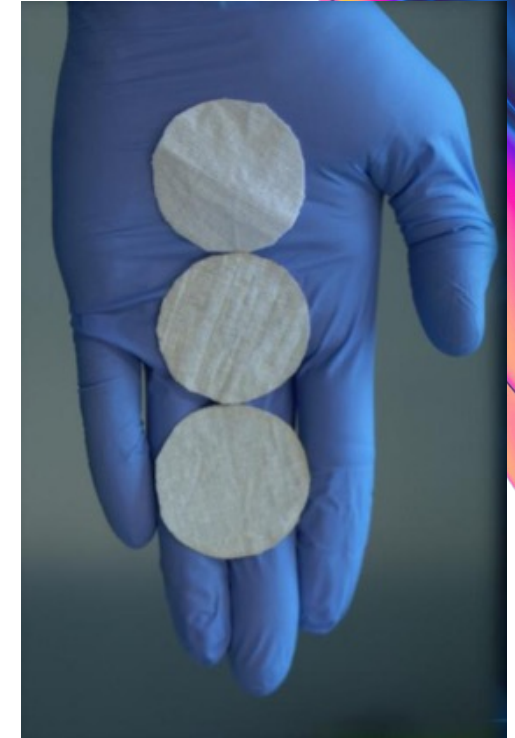
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SOLUTION

INPUT FROM TALTECH

LignoQuat - Eco-Friendly, Bio-Based Antibacterial Textile Coating

- **Novel coating made from bio-based quaternary lignins (QLs) — non-toxic, metal-free, and fully biodegradable.**
- **Provides rapid and reliable antibacterial protection within one hour, effective even against biofilms.**
- **Sustainable and safe for medical textiles, protective clothing, field hospitals, and hygiene materials.**
- **A new generation of green antimicrobial coatings that aligns with environmental and regulatory trends.**



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CURRENT STATE

INPUT FROM TALTECH

TRL 4 Validated Technology With Strong Scientific Team

- **Laboratory validation completed. Functional prototypes tested for efficacy, durability, and safety.**
- **Patent-pending chemistry based on renewable lignin.**
- **Strong research team and infrastructure supporting further development.**
- **Next steps: process optimization, scale-up, and field testing for industrial implementation.**

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MARKET OPPORTUNITY

INPUT FROM TALTECH

- Antibacterial textiles today often rely on silver-based coatings or chemical treatments from established suppliers.
- These solutions are effective, but expensive and increasingly questioned from an environmental point of view.
- Textile manufacturers have few credible bio-based alternatives that meet performance requirements.
- LignoQuat offers a metal-free option that fits institutional and regulated markets.
- The opportunity lies in long-term supplier relationships, not one-off sales.

LIGNOQUAT

XXXX XXXXXXXX, potential CEO and CoFounder
LinkedIn: [link](#)

MARKET OPPORTUNITY (TAM, SAM, SOM)

INPUT BY POTENTIAL CEO

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The logo for TAL TECH, featuring the words "TAL" and "TECH" stacked vertically in a bold, white, sans-serif font. The logo is positioned in the bottom right corner of the slide, overlaid on a colorful, wavy graphic that transitions from purple to yellow to blue.

COMMERCIALIZATION PLAN FROM LAB TO PRODUCT

INPUT BY POTENTIAL CEO

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FINANCIAL PROJECTIONS: PATH TO MAXIMIZE STARTUP VALUE INPUT BY POTENTIAL CEO

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VISION FOR FUTURE TEAM

INPUT BY POTENTIAL CEO

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CONTRIBUTION

(TalTech will give options shares for the new co-founder, what is that you are willing to invest in terms of money, time and competencies and what are your expectations regarding option shares)

INPUT BY POTENTIAL CEO

- I'm suitable to be the founding member ...
- My contribution can be (time, money, competencies, contacts etc)
- My expectations regarding option shares in startup founding stage is in the range of x-x%