

NANO
DENTICA

Bioactive Fluorapatite
materials that do more

CURRENT CHALLENGE

Traditional materials used in dental restorations (e.g., fillings, cements, implants) have several limitations:

- Prone to wear and degradation over time
- Limited or no antibacterial properties
- Weak bonding with natural tooth structures

These issues often lead to:

- Higher risk of infection or recurring dental problems
- Repeated dental procedures and increased patient discomfort
- Added long-term costs for both patients and practitioners

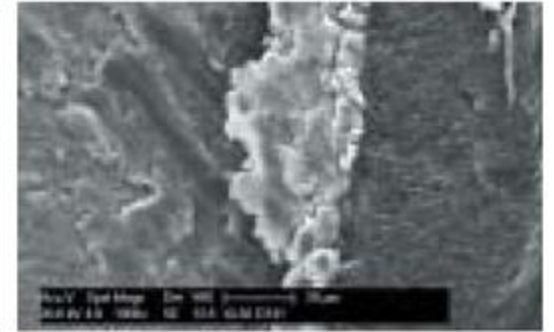


OUR APPROACH AND VISION

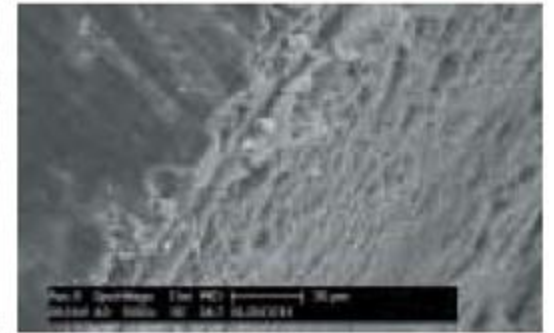
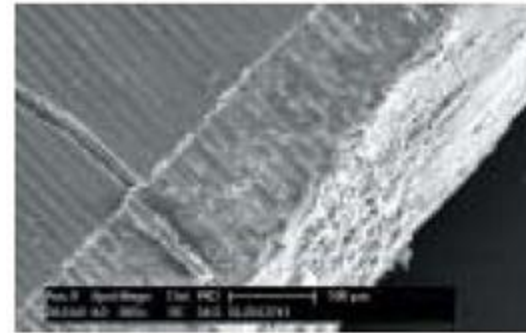
NanoDentica offers a next-generation solution for dental care with its patented **bioactive fluorapatite nanoparticles** that mimic natural enamel.

- **Antibacterial Protection** – Helps prevent infections and tooth decay
- **Bioactive Healing** – Bonds naturally with teeth and supports regeneration
- **Natural Esthetics** – Maintains the look and feel of real enamel
- **Scalable Technology** – Cost-effective and ready for use in multiple dental products

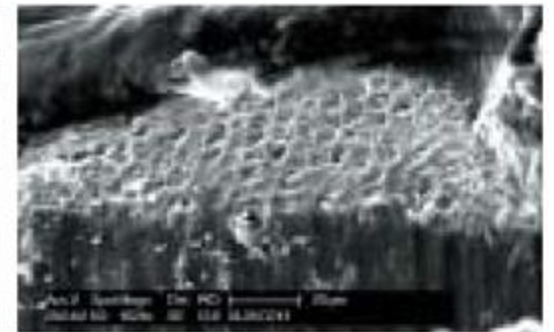
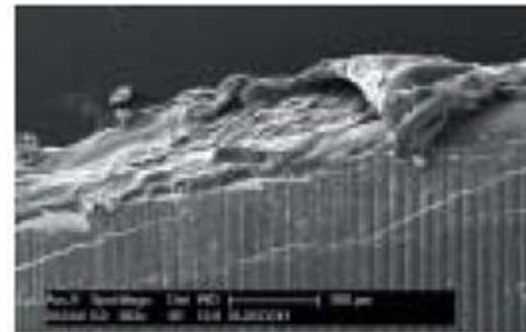
This innovation aims to make dental restorations longer-lasting, safer, and more comfortable for patients.



Tooth-SensOut-resin interface



Dentinal wall with completely coated tubules



Penetration of the nanoparticles into dentinal tubules

The background features a teal-to-white gradient with several white line-art icons of teeth scattered across the surface. The icons vary in size and orientation, with some appearing as simple outlines and others as more detailed sketches. The text 'NanoDentica - Overview' is centered in the white area.

NanoDentica - Overview

Company Objectives

Initial Market Focus

- Early adoption underway in **Colombia**, with planned expansion into **Sweden**, supported by a leading **Swedish dental school** as a research and validation partner.

Global Market Research

- Ongoing **consumer and clinician surveys** in **Europe** and **Japan** to assess demand, preferences, and product fit.
- First U.S. entry point established through a **pilot collaboration with a dental clinic in Chicago**.

Scientific Validation

- The material's **antibacterial and bioactive properties** have been independently validated and **published in a peer-reviewed journal**, strengthening credibility and market readiness.

Regulatory & Compliance Pathway

- **Dental implants** incorporating this material fall under **3A regulatory classification**, indicating **lower-risk medical device** status and requiring **minimal human testing** for approval.

Business Model and Value Proposition

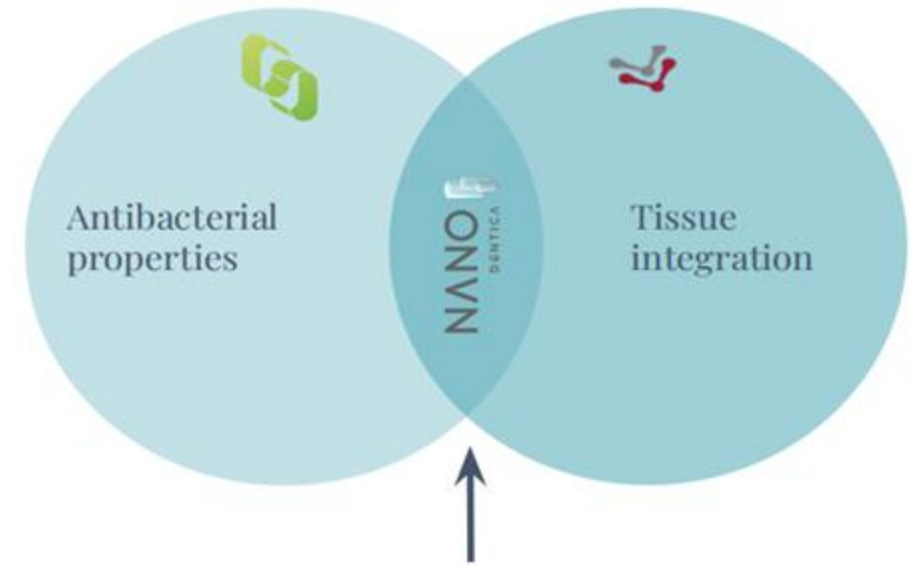
Business Model:

- Licensing technology to dental material manufacturers.
- High gross margin (>90%) due to efficient production.

Value Proposition:

- Bioactive materials that protect against bacteria and promote healing.
- Superior performance in dental applications compared to traditional materials.
- Esthetic properties matching natural teeth.

NanoDentica presents a strong value proposition with clear benefits for patients, dentists, and manufacturers.



Current Stage of Development

Bioactive materials market (BUSD)²



Potential in dental applications & beyond



Dental fillings,
ceramics, adhesives



Wound care



Implant surface
treatments



Catheters

The company is in the late development/early commercialization stage.

Approved patents in the US and Europe (pending in Japan). Successful prototyping by company.

GOALS: Commercial production by early 2025. First customer launching a product in early 2026.

Our team...



Lukas Crisp
CEO

Sebastian Franco-Tabares
Inventor and CTO

Board of Directors



Ulrika Ågren,
Investment manager ALMI



Jeppe Magnusson,
Former VP Nobel Biocare



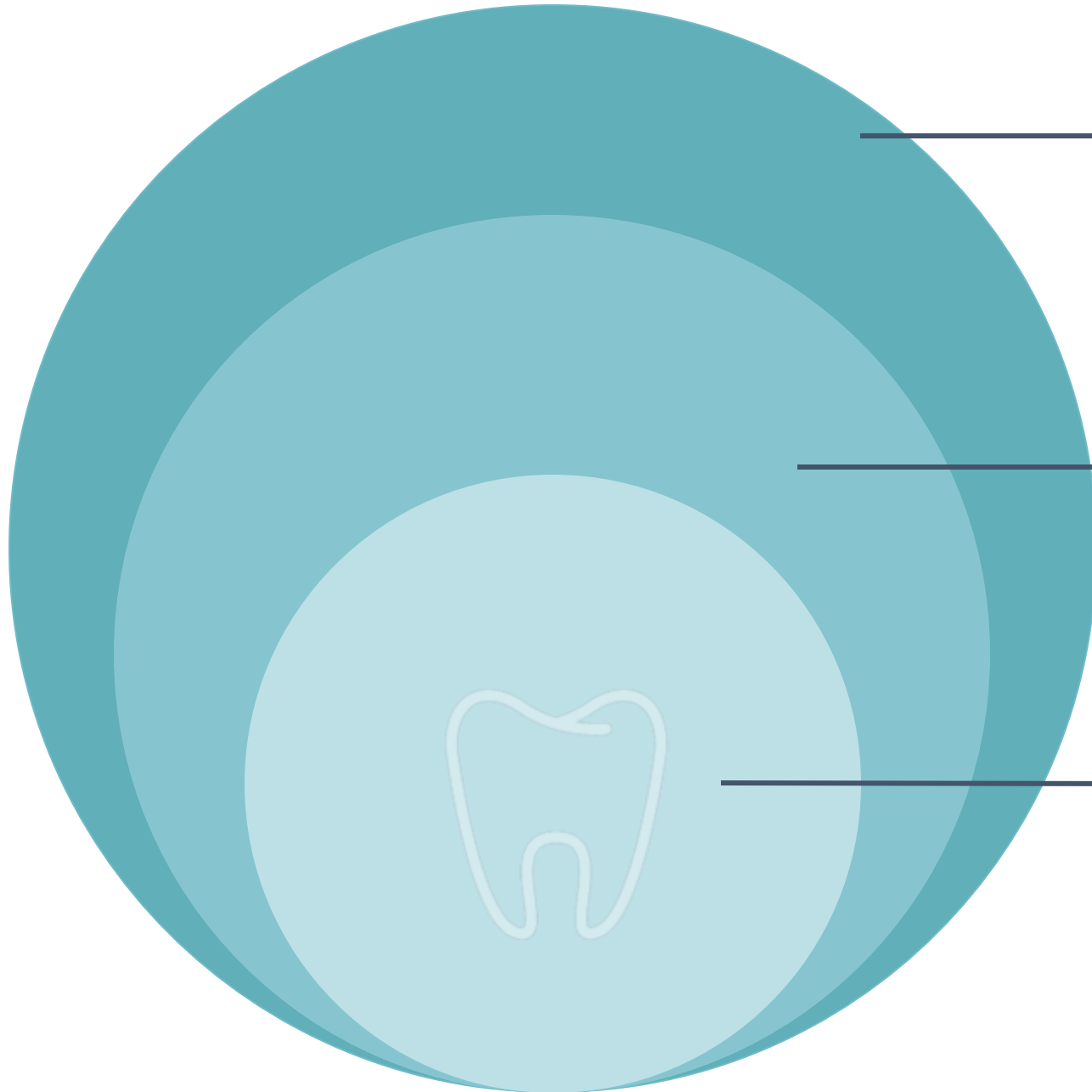
Erik Sollenberg,
Former CEO Forsman &
Bodenfors



Christer Andersson,
Investor Annevo



Sebastian Franco-Tabares,
Inventor



TAM (Total Addressable Market)

Global dental market

\$18 billion by 2030

SAM (Serviceable Addressable Market)

Global dental biomaterials market

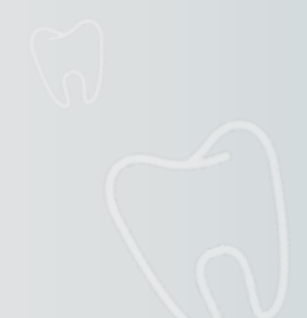
\$6 billion by 2030

SOM (Serviceable Obtain Market)

Dental fillings, cements, restorative dentistry, implants, and toothpaste

\$700 million

Competitive Landscape



Market Alternatives



Bactiguard®



Promimic



Dentsply
Sirona



straumann



ZIMMER BIOMET



Science.
Applied to Life.™



DANAHER

Market Quadrant

Affordable

We Are Here



Competitor

Specialized

Comprehensive



Competitor



Competitor

Expensive

Traction



SAHLGREN
SKA
SCIENCE PARK

 **borganäs invest**

almi invest

Statistics



Nano Dental Implant
Revolution



Infection Risk

Overview of the Next Step

Deepening Industry Collaboration

- Initiating partnerships with **dentists, dental labs, and clinics** for early use-case validation
- Gathering clinical feedback to refine application methods and market fit
- Exploring pilot programs with academic and research-based dental institutions

Expanding IP Portfolio

- Building on the **granted method patent** by identifying new patentable applications

Strategic Licensing & Partnerships

- Open to offering **exclusive licenses** to major industry players for co-development and market expansion.
- Pursuing **non-exclusive licenses** with smaller dental partners to increase adoption and collect broad feedback.

Seeking Investment

- Looking for **strategic investors and early-stage partners** to support regulatory planning, product development, and scale-up.
- Open to funding aligned with **IP-led innovation and commercialization strategy**.

UC Berkeley – NanoDentica Team



PARTH PATIL

MEng. Mechanical



KETAN NEHATE

MEng. Mechanical



SHREYA MAZUMDAR

LL.M.



ROCHENG (BRIGHT) SHI

LL.M.



ADITI JHANWAR

MBA

Contacts

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Prantia Bilal	Anonymous Dental Clinic / Dental Group	Dentist	N/A	Yes
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