

SPARTHA MEDICAL

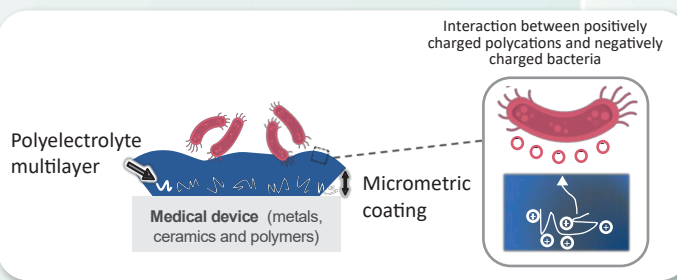
The first Versatile/Customised
**ANTIMICROBIAL, ANTIVIRAL,
and ANTI-INFLAMMATORY**
Coatings for Your Products

SPARTHA Medical wishes to protect and arm the public with human and environmentally friendly formulations to fight all forms of infection

4 MILLION
Nosocomial Infections
in EU / year

7 BILLION €
Extra cost
/ year

- Based on **natural biopolymers**, Multifunctional : Antibacterial, Antiviral and Anti-inflammatory, strong and broad bactericidal effects (ISO standard 22196)
- Conformational thin films: **Applicable to any surfaces**, simple manufacturing process (no chemistry, no solvents)
- **No resistance** mechanisms (CLSI standard) like with antibiotics, Shelf life above 5 years
- All **sterilization** methods possible (steam, gamma, EtO and electron beam)
- Promising **in vivo data** : Effective antibacterial activity, biocompatibility and absence of cytotoxicity profile (ISO standards 10993-5 / 10993-10 / 10993-11)
- **Personalization** of coatings according to each patient's specificity
- **Ergonomic use** : Integration of new technologies in coating application systems
- **Innovative coating service offer** : Based on a qualified R&D team as well as a significant reduction in delivery times
- **6 patents**, two granted, one application in progress



FOR MEDICAL USE

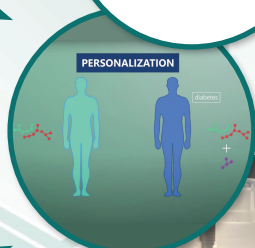
- Substitutes for conventional antibiotics to which bacteria cannot develop resistance
- Personalization of implant interfaces for better clinical outcomes
- Decrease of complications
- Better integration of the implants (anti-inflammatory)
- Savings in healthcare costs

FOR CONSUMER USE

- Substitutes for conventional antivirals and bactericides used for hand and surface disinfection
- Nontoxic & biocompatible personal protection coatings/formulation
- Non-abrasive, long-lasting protective coatings/formulation
- Inactivates viruses (including SARS-COV-2) on contact



Coating kit to be used during surgery
Pro-healing
Anti-inflammatory
Antibacterial



Codevelopment Service
Coating Personalization
based on AI



Spray for daily use
Antiviral
Antibacterial

SUPPORTS

bpifrance

i-Lab
c o n c u r s d' i n n o v a t i o n

Grand Est
ALSACE CHAMPAGNE-ARDENNE LORRAINE

connectus
TECHNOLOGICAL RESEARCH & TECHNOLOGY TRANSFER
SATT ALSACE

SEMA

Inserm



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MEDICAL**

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The Invisible Shield