



**SOLID POLYMERS – CREATING VALUE**

With passion for a healthier future

## Two Challenges

Huge amounts of environmentally harmful micro-plastics in many cosmetic products



Insufficient prevention of Covid-19 infections



# Solution (1)



## Replacement of micro-plastics by hyaluronic acid micro-particles

Cosmetic line: SolyPure Cosmetics

Product name: Hyalu-Pearls Peeling Serum

Marketing channel: Amazon-FBA

Launch: December 2020



# Solution (2)

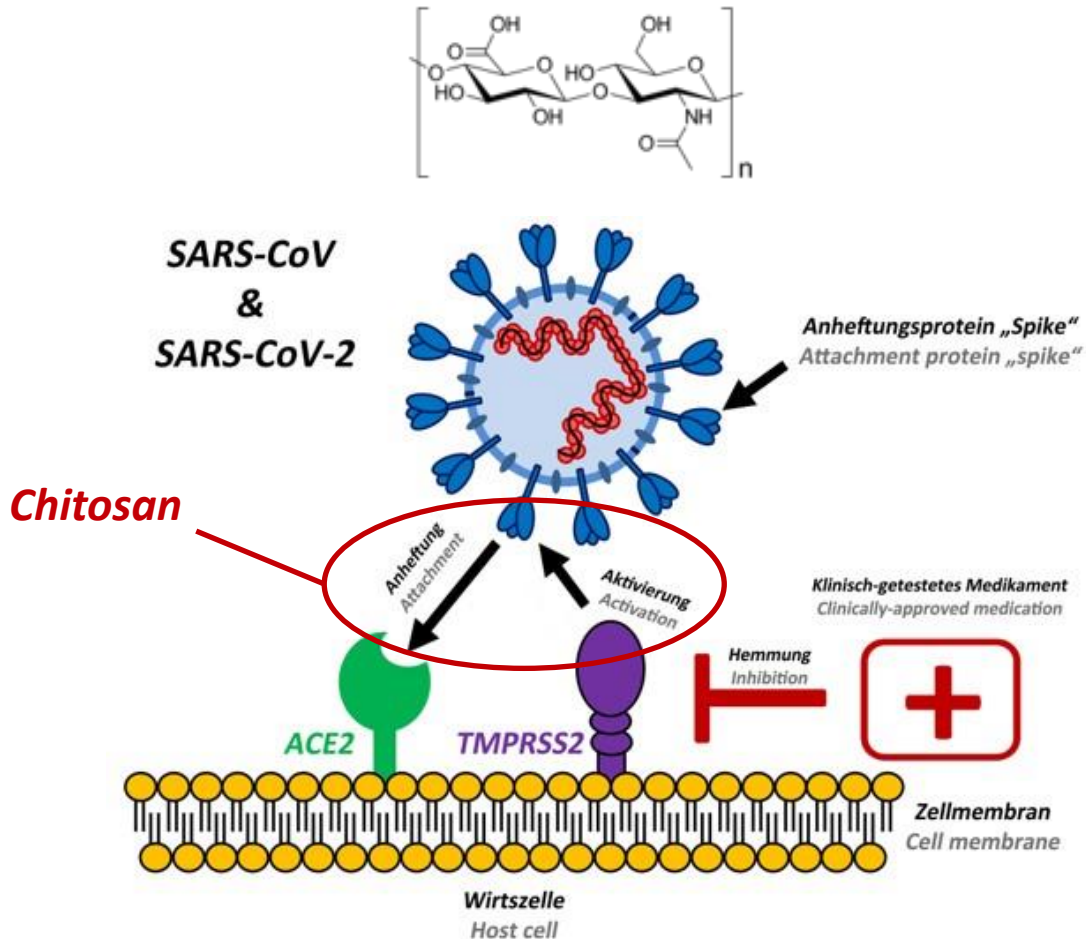
## Protection of the oral mucosa by Chitosan

Has anti-viral and anti-bacterial effects

Is available on the German market

Will be administered via chewing gums, bonbons and teas

Launches in April, July and August 2021



# Platform for additional innovative products (1)

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## Disruptive and patent protected technology platform

Transformation of biopolymers (e.g. Hyaluronic Acid) into industrially useable materials („smart materials“) as for instance micro-particles, films, transparencies, gels and solids

Prerequisite for totally new products

# Platform for additional innovative products (2)



## For medtech products

### Micro-needles out of pure hyaluronic acid

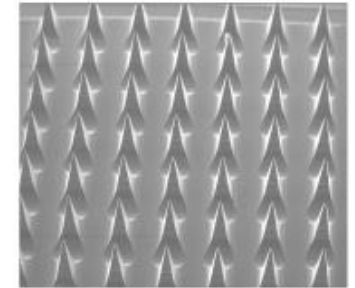
- Painless vaccination without cold chain
- One-step production process

### Wound dressing/pads out of pure hyaluronic acid

- No need to get removed from the wound

### Implants out of pure hyaluronic acid

- Controlled dissolution in the body



# Competition



## 1. Technology

Transformation of biopolymers into semi-solid and solid materials

Platform patent granted in EU and USA

Therefore no competition

## 2. Chitosan formulations

Application of a broad patent in 2020/21

## 3. Cosmetic products without mikro-plastics

Peeling produkt with patent protected hyaluronic acid micro-particles

Platform patent granted in EU and USA

## 4. MedTech

Self dissolving wound pads out of hyaluronic acid are not available up to now.

Self dissolving orthopedic implants out of hyaluronic acid are not available up to now.

# Business model/product pipeline



Products	Status of the development				
	Basic development	Prototype	Production	Launch	Marketing
<b>Hyalu-Pearls Peeling</b>	[Progress bar]			Dec 2020	E-commerce B2C, Co-Marketing B2B
<b>Chitosan-Gums</b>	[Progress bar]			April 2021	Out-licensing B2B
Chitossan-Bonbons	[Progress bar]			July 2021	Out-licensing B2B
Chitosan-Tees	[Progress bar]			August 2021	Out-licensing B2B
Chitosan-Nosal Spray	[Progress bar] medtech development				In discussion with pharmaceutical company
Wound pads	[Progress bar]		BD		Out-licensing B2B
Micro-Needles	[Progress bar]		BD		Out-licensing B2B
Orth. Implants	[Progress bar]		BD		Out-licensing B2B

BD: Business Development → Discussions with potential industry partners  
 Licensing: Research support, milestone payments, royalties



# TEAM



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*Soly Plus Berlin  
GmbH*



*TheraKine  
BioDelivery GmbH*



*Bayer AG*



*TheraKine  
BioDelivery GmbH*



*Capsulation  
GmbH*

*The founder and management team unites all necessary capabilities and experiences for the successful development of the company.*

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