


# COOPERATION SPELLS SUCCESS




yang  
Yeast Association New Generation


# YANG, A SYNERGISTIC ALLIANCE

 YANG: Y east Association New Generation  
An innovative product combining inactivated yeast produced using dedicated processes:

fractions from 3 different strains, each



 Not all yeasts are the same  
In collaboration with research partners and using innovative tools, Lallemand was able to understand the link between the composition, structure and functions of yeast fractions to select the best candidates for YANG.

 Patented Application  
YANG is formulated to strengthen animals' natural defenses with a patented, synergistic effect on the immune response.

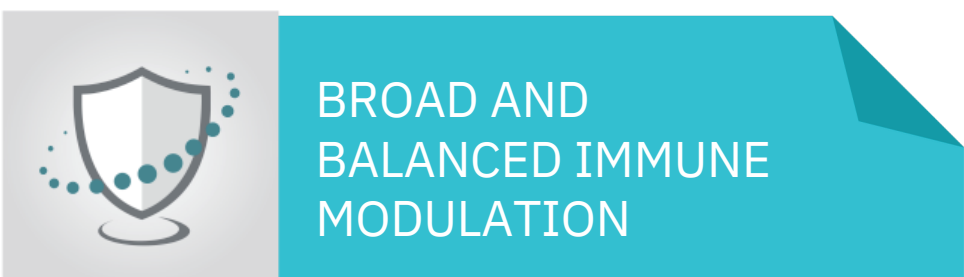


## TWO COMPLEMENTARY ACTIONS REINFORCE ANIMALS' NATURAL DEFENSES



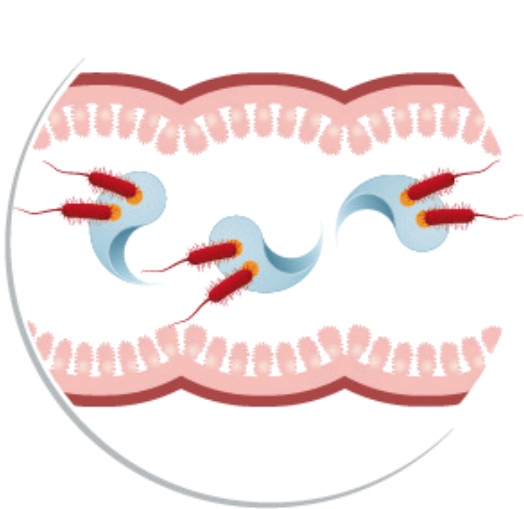
INTESTINAL SECURITY

Effective against a wide range of undesirable bacteria compared to single-strain yeast derivatives

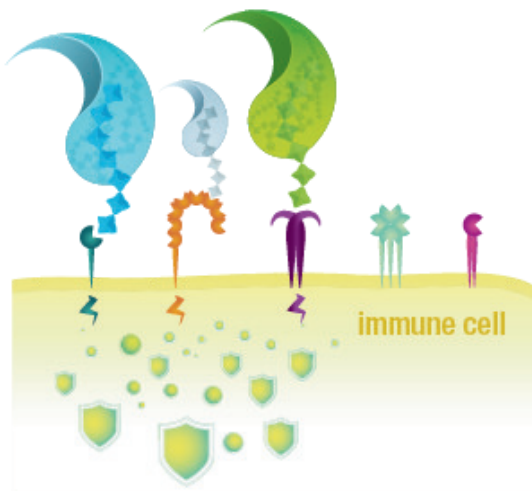


IMMUNITY SUPPORT

Higher immune system modulation without risk of over stimulation sometimes observed in cases of single immune receptor activation by traditional yeast derivatives.



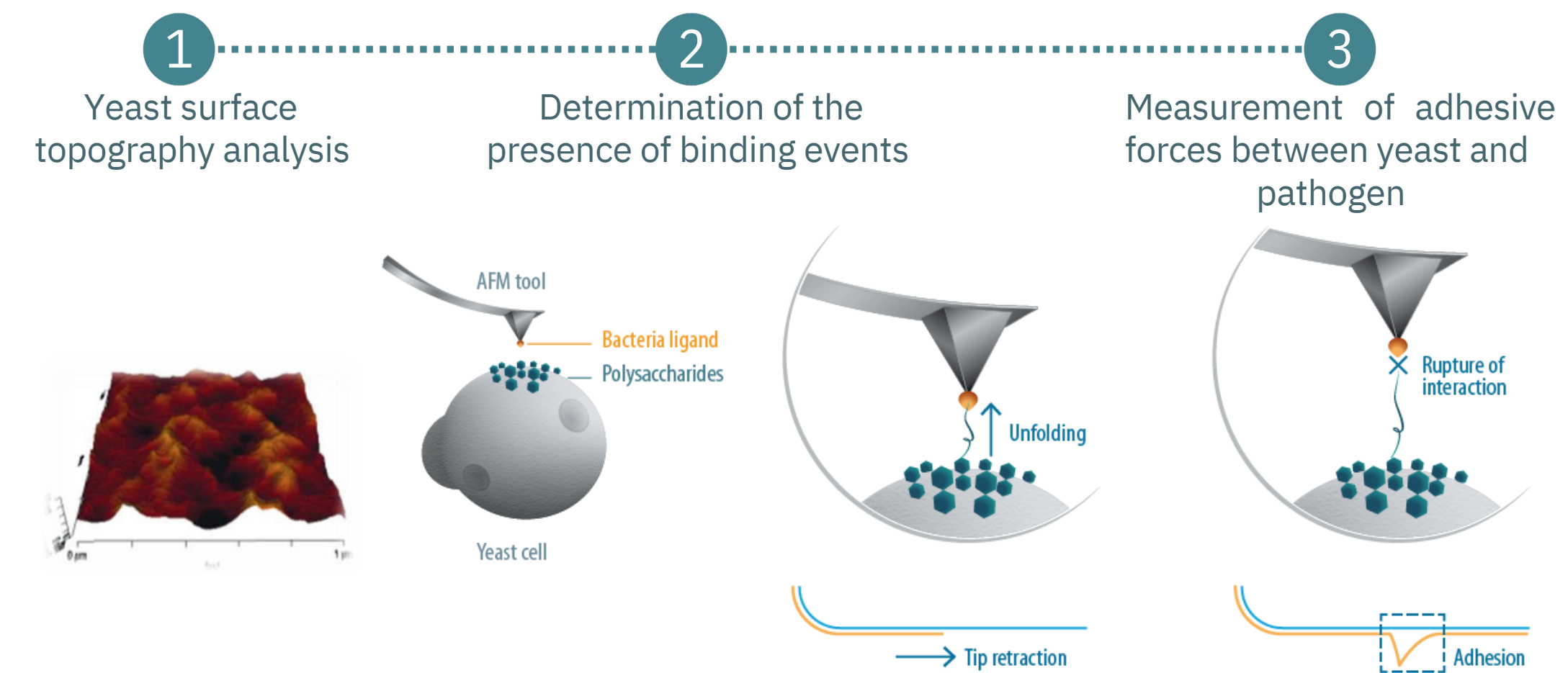
High prevalence of adhesive polysaccharide patches on yeast surface



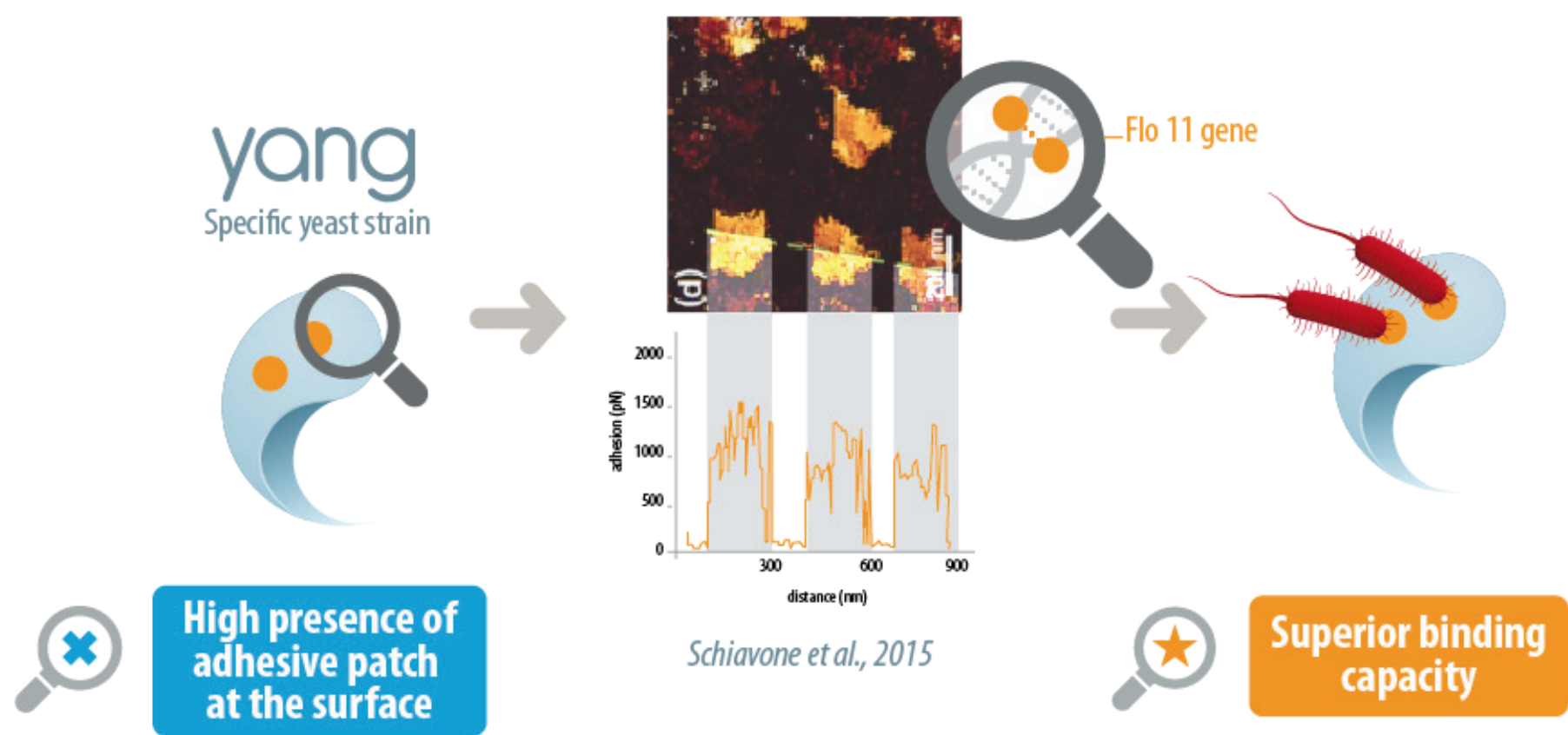
Simultaneous activation of several immune receptors

# YANG, DEVELOPED WITH NEXT-GENERATION TECHNOLOGY

Cutting-edge techniques including Atomic-Force Microscopy (AFM) and Single-Molecule Force Spectroscopy (SMFS) allow a better understanding of the relationships between yeast structure and function.



With the AFM, we were able to select the strains with the best adhesive properties. The tip of the microscope is ‘functionalized’, i.e. equipped with a particular compound which binds to the yeast wall, mimicking the interaction that occurs within the digestive tract (yeast/cell, yeast/bacterium).



YANG strains have been selected for the patches. These patches are due to the gene. This gene is coding for the FLO 11 protein responsible for high prevalence of adhesive polysaccharide high level of expression of the specific FLO 11 high density polysaccharide patches.

The use of these techniques is a powerful new tool which enables us to characterize and select strains of yeast.



# BENEFITS COME FROM THE POWER OF COMBINED YEAST

YANG, a research-proven innovative association of synergistic inactivated yeast fractions from different strains that produce positive effects in animals.

## Superior binding capacity

Selection of specific strains containing adhesive patches on the surface for a strong binding effect against undesirable bacteria.



## Broad and balanced immune modulation

Multiple immune receptor activation, no risk of over stimulation due to the synergistic effect (patent application).

## By strengthening digestive security, YANG will help

- Maintain animal health and performance
- Secure predictability of the production cycle
- Improve farm profitability

Every benefit has been scientifically proven and demonstrated in the field  
Trial summaries are available upon request  
Ask your Lallemand Animal Nutrition representative

- 🌱 Can be used in organic production under regulation UK 834/2007, EU 2018/484
- 🌱 Can be used for all animal species
- 🌱 36-month shelf life | 25 kg bags

Marketed By



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