

Sector-specific Case Study: Nanotechnology-based antimicrobial solution

FIGHTING BIOLOGICAL POLLUTANTS



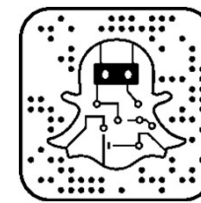
NANO-
PHOTO CATALYST



NANO-
STRUCTURED
SORBENTS

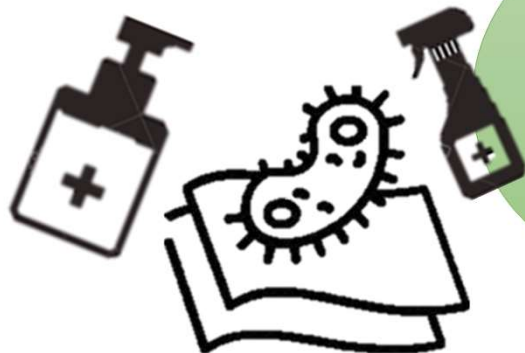


NANO-
ACTIVATED
FILTERS
(MEMBRANES)



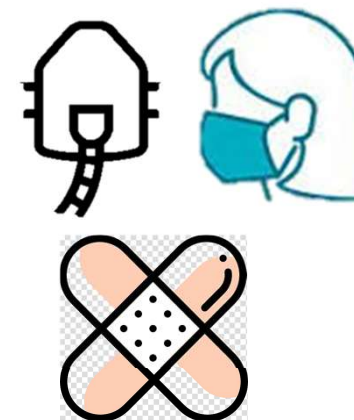
NANO-BIO
SENSORS

ENVIRONMENTAL
NANOTECHNOLOGY



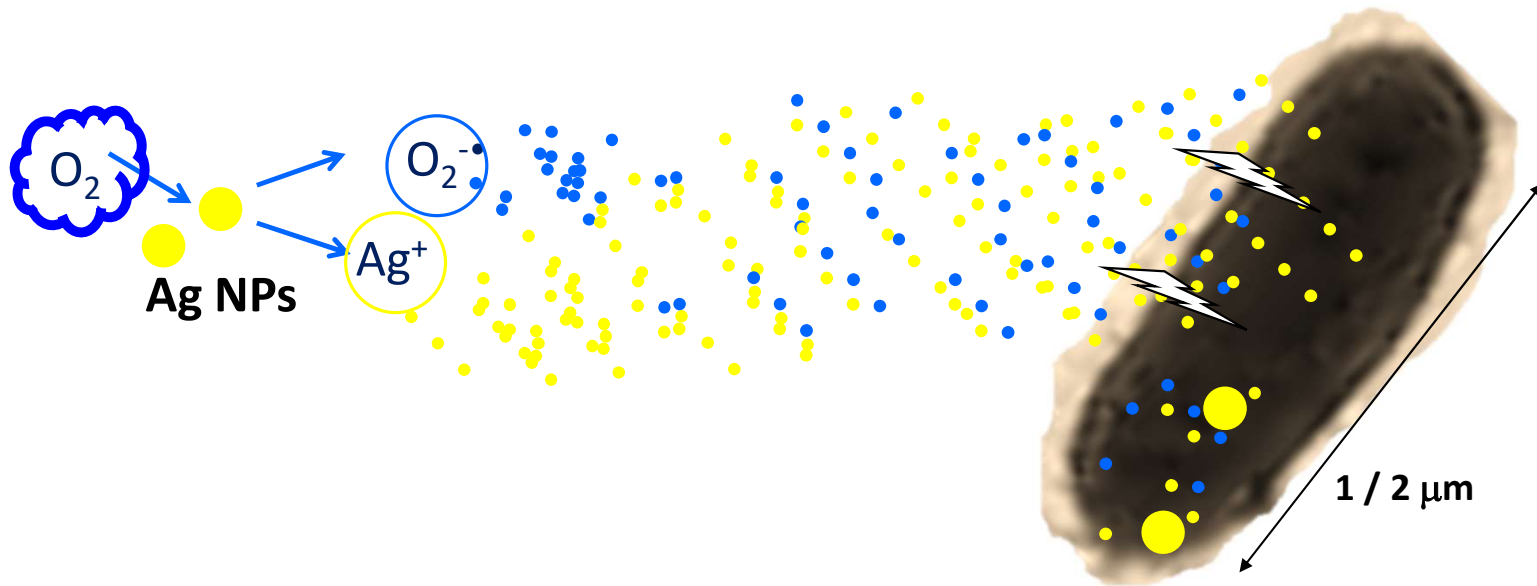
Ag

NANO-MEDICINE



NANO-SILVER TECHNOLOGY

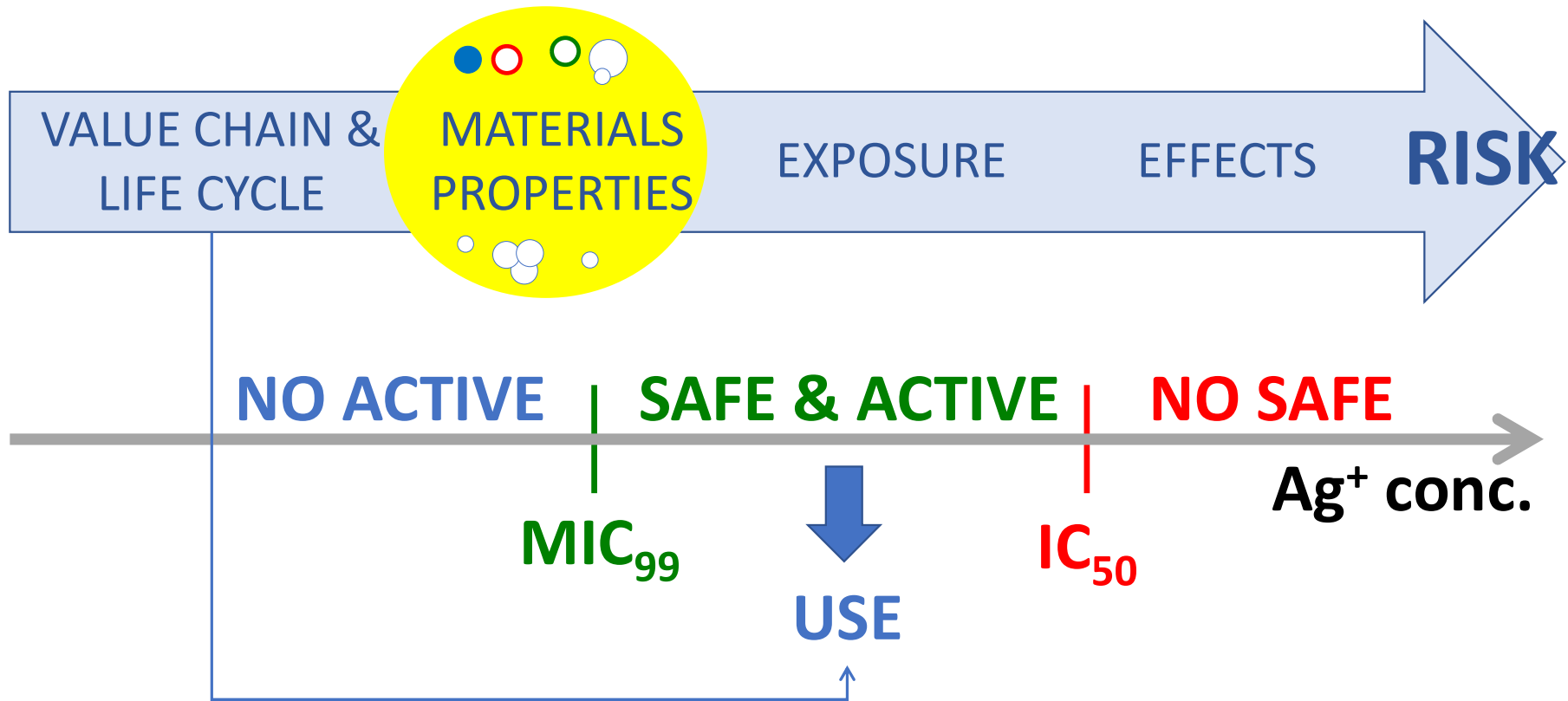
BACTERIA



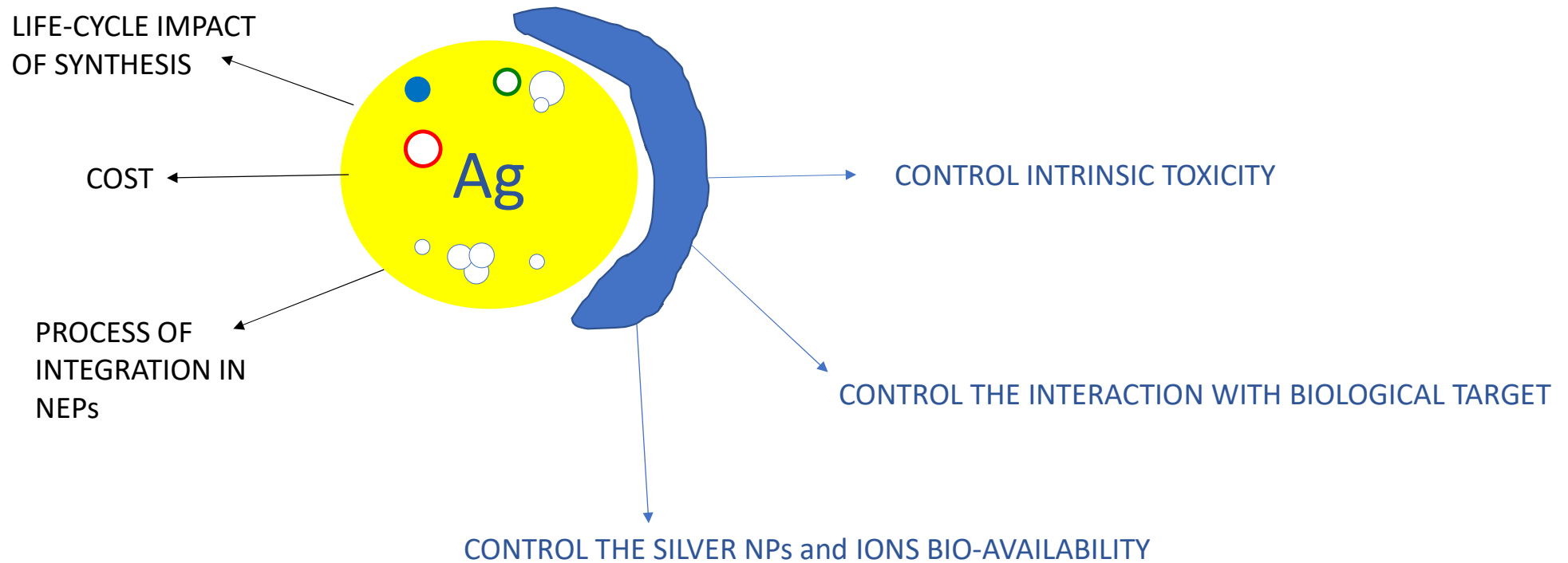
SARS CoV2



SbD APPLIED TO INTENTIONALLY TOXIC MATERIALS



SbD APPLIED TO INTENTIONALLY TOXIC MATERIALS



Questions to the audience

What would be the priorities for implementing a SbD solution for a NEP manufacturer?

1. Product performance
2. Regulatory restrictions
3. Workers/ consumers/ environmental safety
4. Costs
5. Product sustainability
6. All the above solutions will be considered in a balance manner

Questions to the audience

Which are the main advantages that Nanoadditive producer can get from the implementation of SbD?

1. Obtain solutions to improve the range of applicability (toxic for microorganisms but not for human and environment)
2. Obtain solutions on how to improve the synthetic process to reduce workers exposure
3. Obtain solutions to improve waste management processes
4. All the above solutions will be of interest

Questions to the audience

What would be the potential SbD needs from a NEP manufacturer?

1. A list of additives (co-formulants) which optimise the desired performance in the final product
2. Obtain solutions on how to improve the manufacturing process to reduce workers exposure
3. Obtain solutions to improve waste management processes
4. They will only be interested in best practises guidance on how to handle Nanoadditives by their workers
5. They will be only interested on how nano-silver safety restrictions could impact on reference regulation (biocide)
6. All the above solutions will be of interest