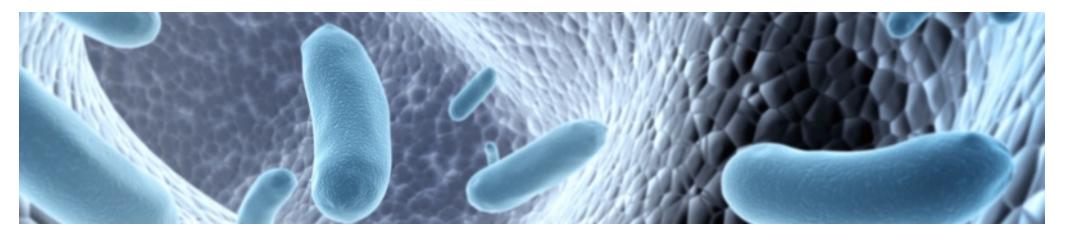
Get the best from endotoxins!





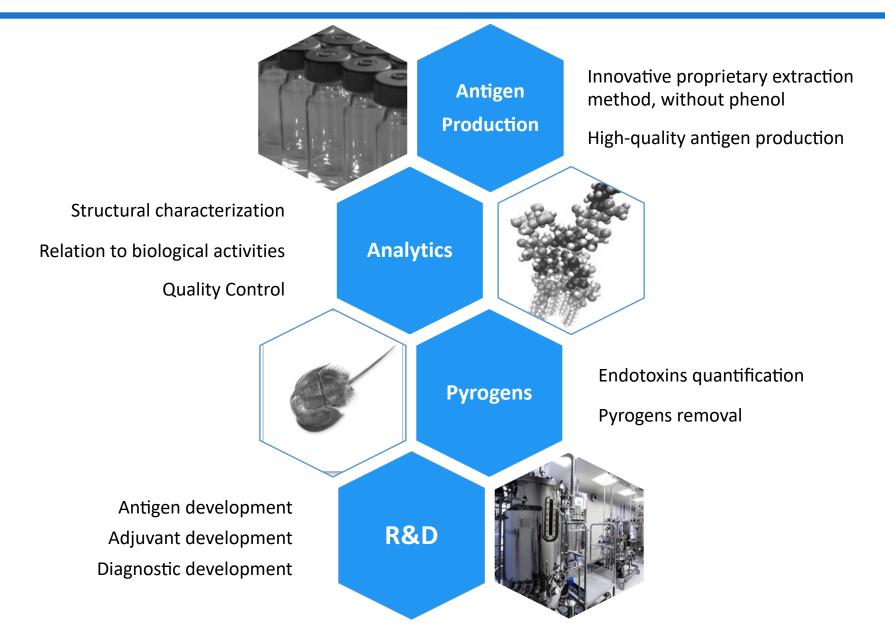
Bacterial antigens & Endotoxins expertise for industrial applications since 2011

LPS-BIOSCIENCES



2

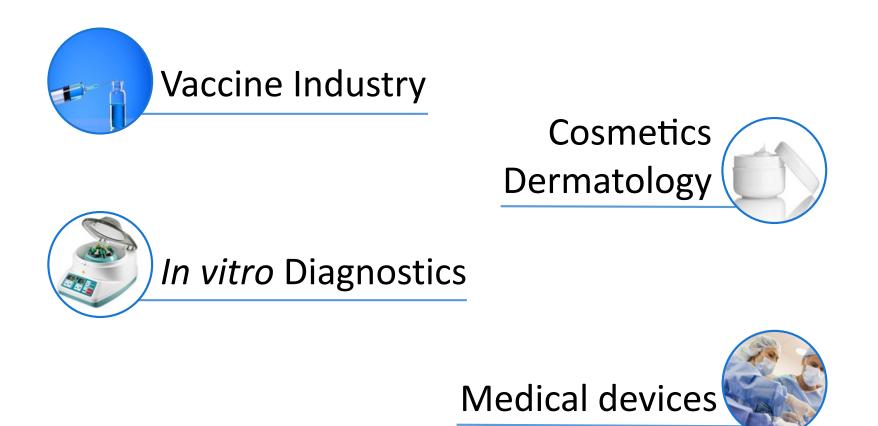
Production, analytics, quantification and much more...





3

Applications



Our offering of custom services/

Technologies available for Tech transfer

Giving you access to the antigenic power of Endotoxins, without their pyrogenic effects

ANALYT



Antigens production, on demand Fast & tailor made

RODUCTION

Methods: without Phenol

LPS, PS, CAPS, LTA, TA

Antigens:

Quality: Pure (95%) Ultra pure (99%)

•Quantity: 1 mg to 5 g



Structural

Structural characterization:
Lipid A structures
O-antigens structures
Structure to activities relationship

Methods: MALDI-MS, GC-MS, LC-MS2, NMR

Applications: Bacterial screening Comparison with serovars Specific epitope targeting Toxicity level OMV analysis

Efficient & implementable

LPS-BioSciences

Quantification:

LAL test (regulatory) MAT test (regulatory) LC-MS2 chemical quantifications for complex samples

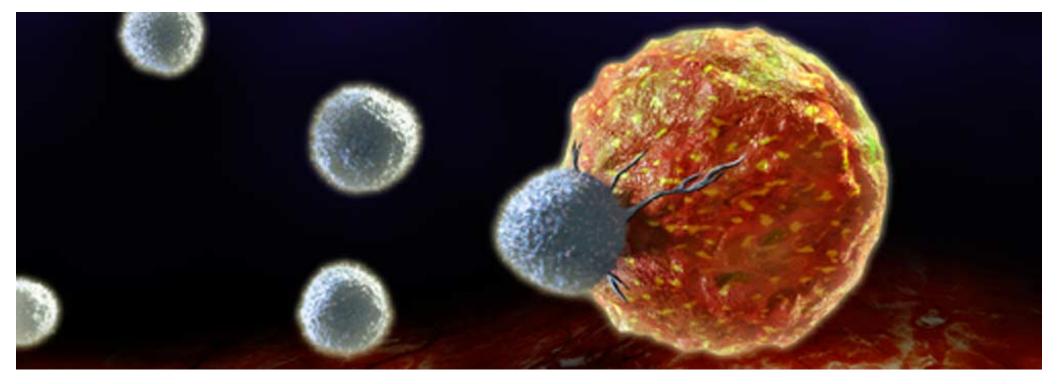
Removal:

REMOVA

Consulting mission Batch cleaning Depyrogenation treatments

Contact us **LPS-BioSciences** for any request concerning endotoxins' 5 AWARDS: **bpifrance** 2011: BPI Creation & development 2014: FUI collaborative projects Estome 2016: CNRS Research against terrorism. **bpifrance** 2017: BPI INNOV'up 2018: FEDER European grant for immunoadjuvants in vaccines and immunotherapy 2019: EU Women Innovators Prize **CONTACTS**: team@lpsbiosciences.com Follow us on: +33 (0)6 67 89 30 47 Please visit our website: www.lpsbiosciences.com CLIENTS & PARTNERS: Boehringer Inserm SANOFI PASTEUR 出出 Cez BIO RAD Ingelheim P&G ceva charles river

INSTITUT PASTEUR







EU PRIZE for WOMEN INNOVATORS 2019

ONCO-Boost- Innovative Immunotherapy platform

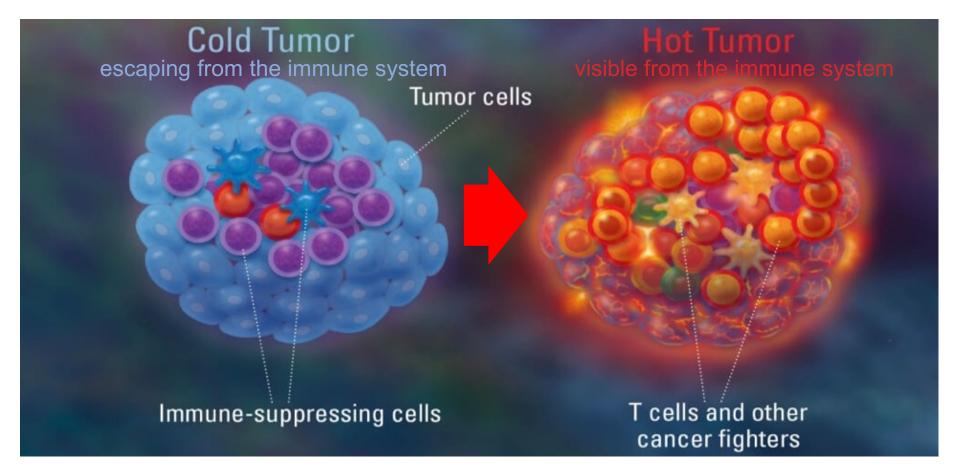
Developing the weapons we need to defeat cancer



Unmet need



- □ Only 25% of patients respond to Immune Checkpoint Inhibitors (ICI)
- □ Only 10% of patients are successfully cured with immunotherapy (Stanford Oncology 2017)



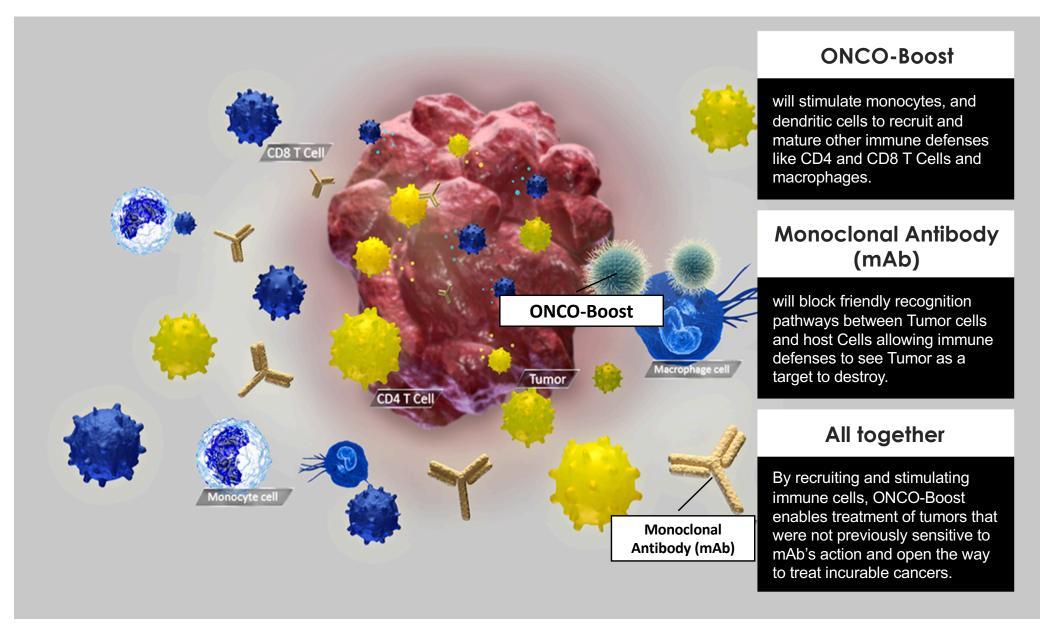


Clinician are looking for molecules turning cold tumors into hot tumors to make immunotherapy efficient

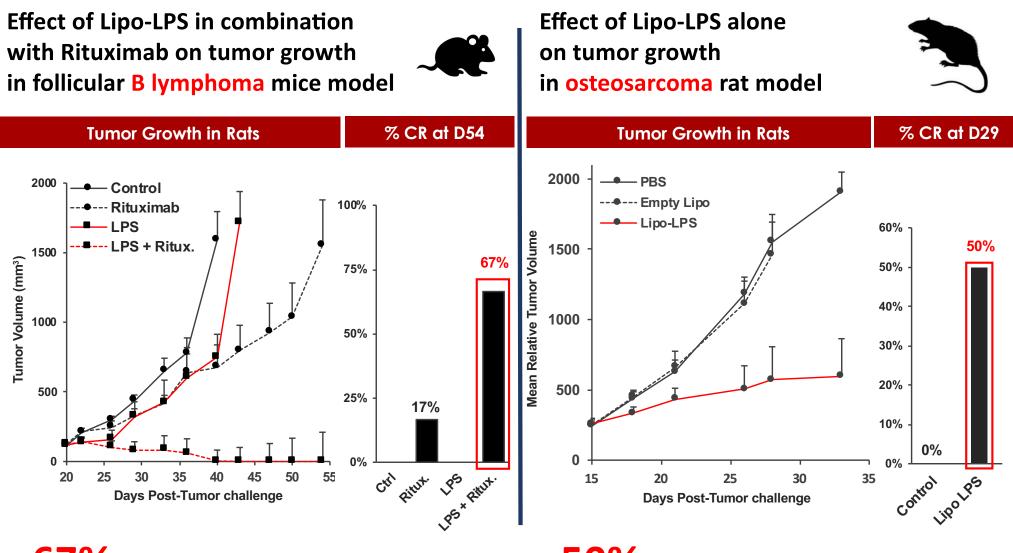


Solution Mechanism of Action





Preclinical POC Efficacy on 2 *In vivo* tumor models



67% of mice showed complete remission (CR)

50% of the rats with complete remission (CR)



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Contact us



Thank you for your attention

AWARDS:

- July 2018: EU FEDER development project
- ILCO February 2019: WILCO Healthcare laureate



April 2019: EU H2020 SME Instrument Phase 1



May 2019: French Tech Seed Label



May 2019: EU Women Innovators prize



- July 2019: BPI France iLab
- Sept 2019: Cancéropôle CLARA (Collaboration CRCL)

equipe@hephaistos.com

+33 (0)6 67 89 30 47

www.hephaistos-pharma.com

SUPPORTS:



Programme