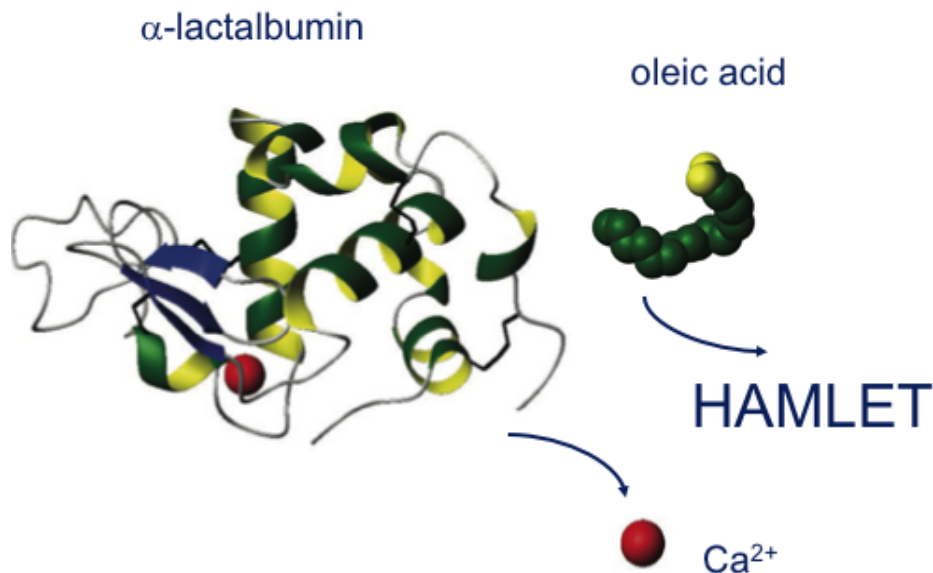


# Welcome to our newsletter

## This issue - From HAMLET to Alpha1H

- 1 - Short background about the HAMLET molecule
- 2 - Discovery of the second-generation drug Alpha1H
- 3 - Producing our drug candidate Alpha1H as a synthetic, GMP certified substance for clinical trials

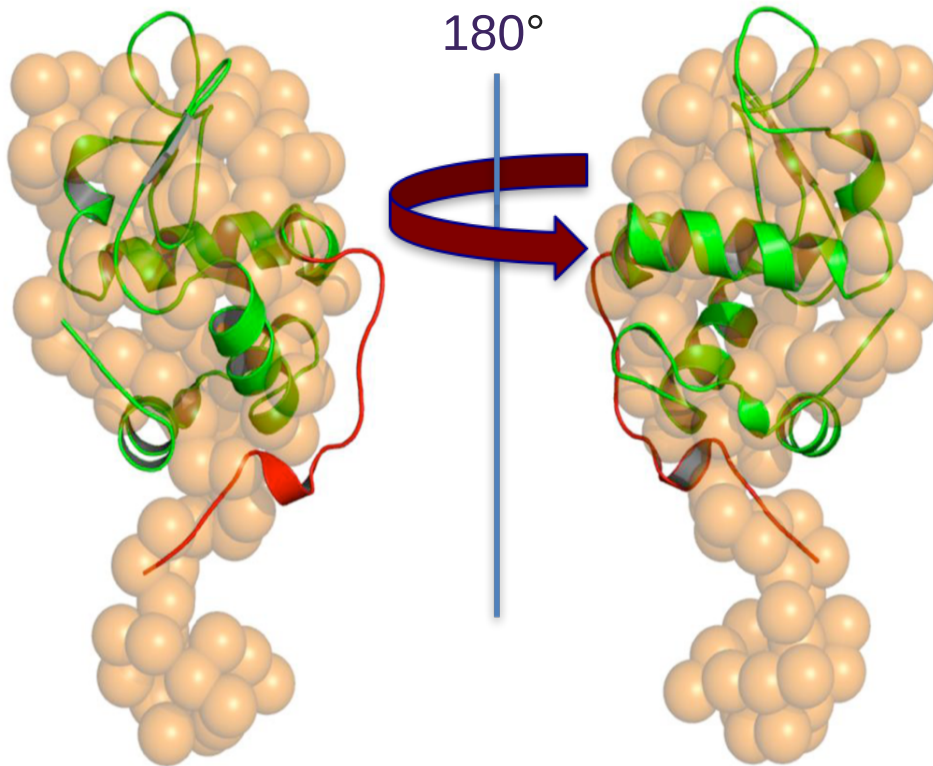
## The HAMLET molecule:



Human  $\alpha$ -lactalbumin made lethal to tumor cells

HAMLET is formed by two natural molecules in breast milk that kill tumor cells without harming mature, healthy cells, such molecules are commonly known as GRAS (Generally Regarded As Safe).

# The structure of HAMLET



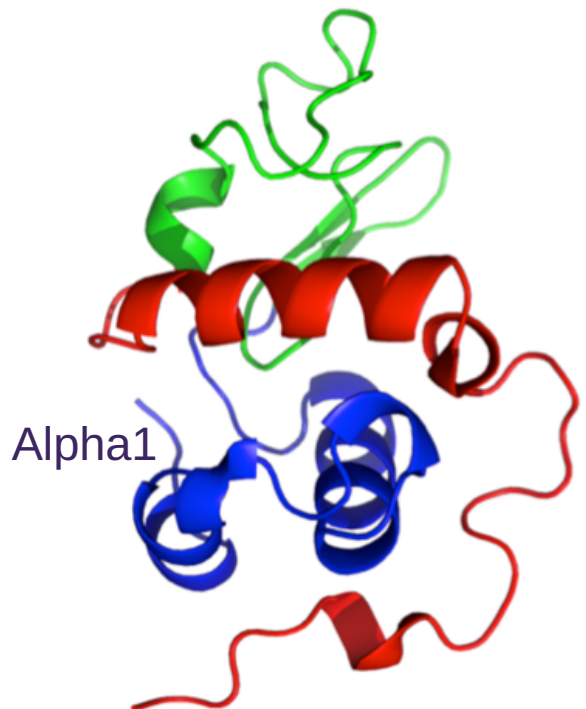
3-dimensional model of HAMLET with a 180° rotation

Advanced technologies allow us to **see** molecules, **measure** them from every angle, and **understand** their deepest secrets.

Using such technics, we could identify the structure of HAMLET and especially the domains that are responsible for the killing effect.

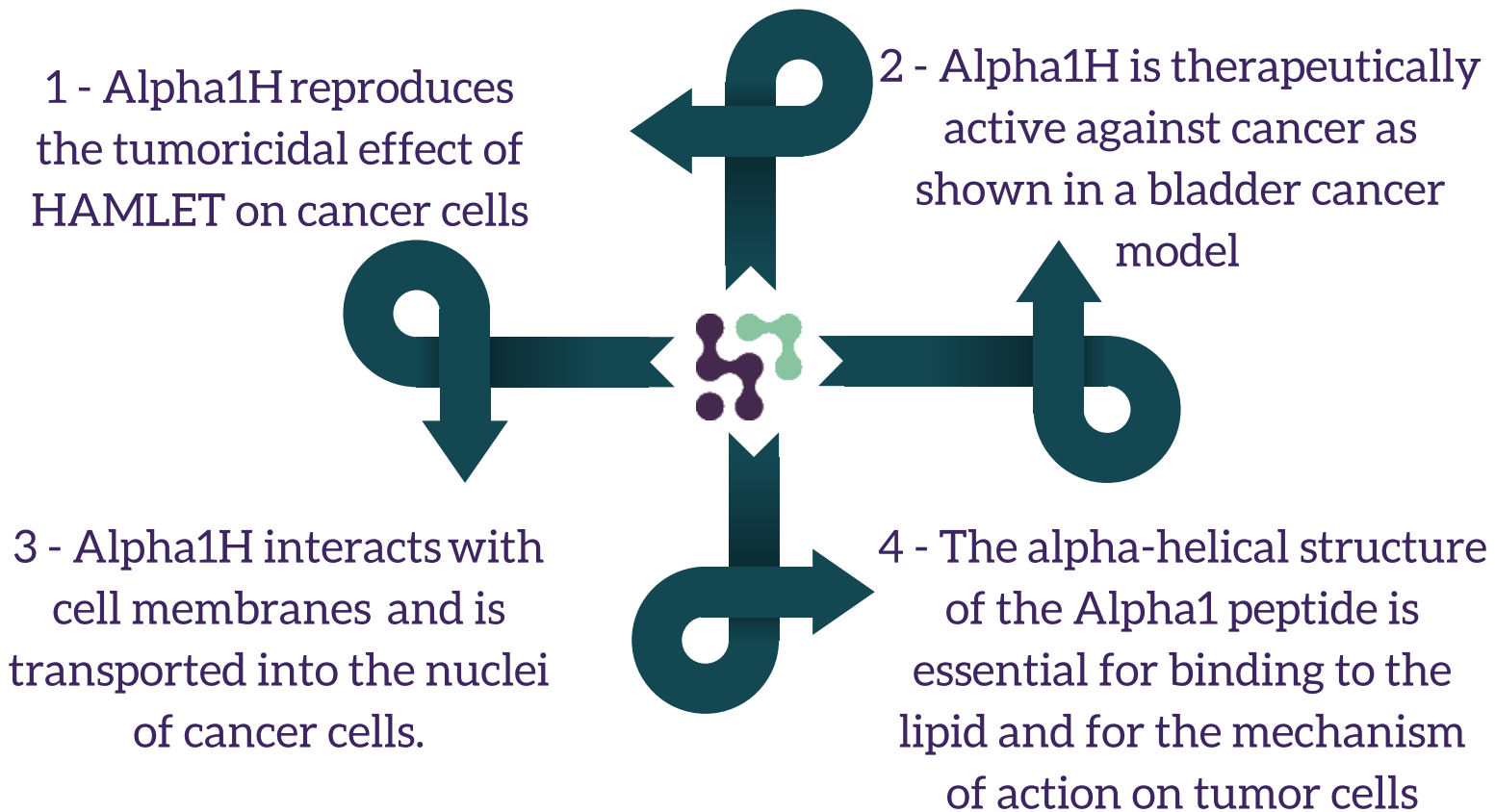
This is how we identified the Alpha1 peptide, which forms a lipid complex and kills tumor cells.

This smaller part of the HAMLET molecule can be produced synthetically, and used as a drug candidate.



# Alpha1H - The second-generation drug

After the discovery of Alpha1H as a second-generation drug for cancer therapy we have shown that:



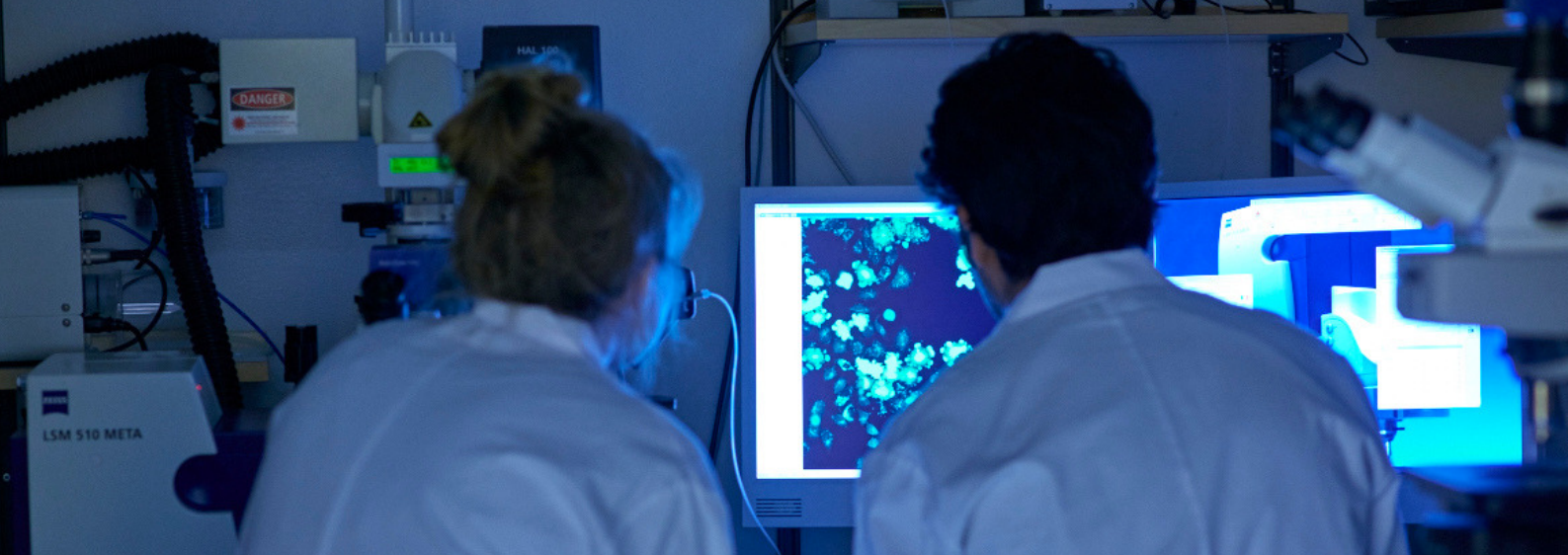
We are actively pursuing research about the use of Alpha1H for bladder cancer and other cancer indication



Click here to invest in our new drug candidate

[HamletPahrma.com](http://HamletPahrma.com)





## Alpha1H / our new drug candidate

HAMLET Pharma carries out large-scale, GMP production of Alpha1H with Polypeptide Laboratories (in progress).

Access to the substance Alpha1H gives the company a platform for commercial expansion, such as the licensing of specific indications and cooperation agreements with major companies

We have already analysed the engineering batch. The results guarantee:

- 1- the method of synthesis
- 2- the activity of the synthetic product (Alpha1H) against cancer cells
- 3- therapeutic efficacy in an animal model of bladder cancer.

The synthesis method gives large amounts of material and opportunities to treat several types of cancer.

For More information please visit our website  
[HamletPharma.com](http://HamletPharma.com)

**Next issue: Bladder cancer with HAMLET**

