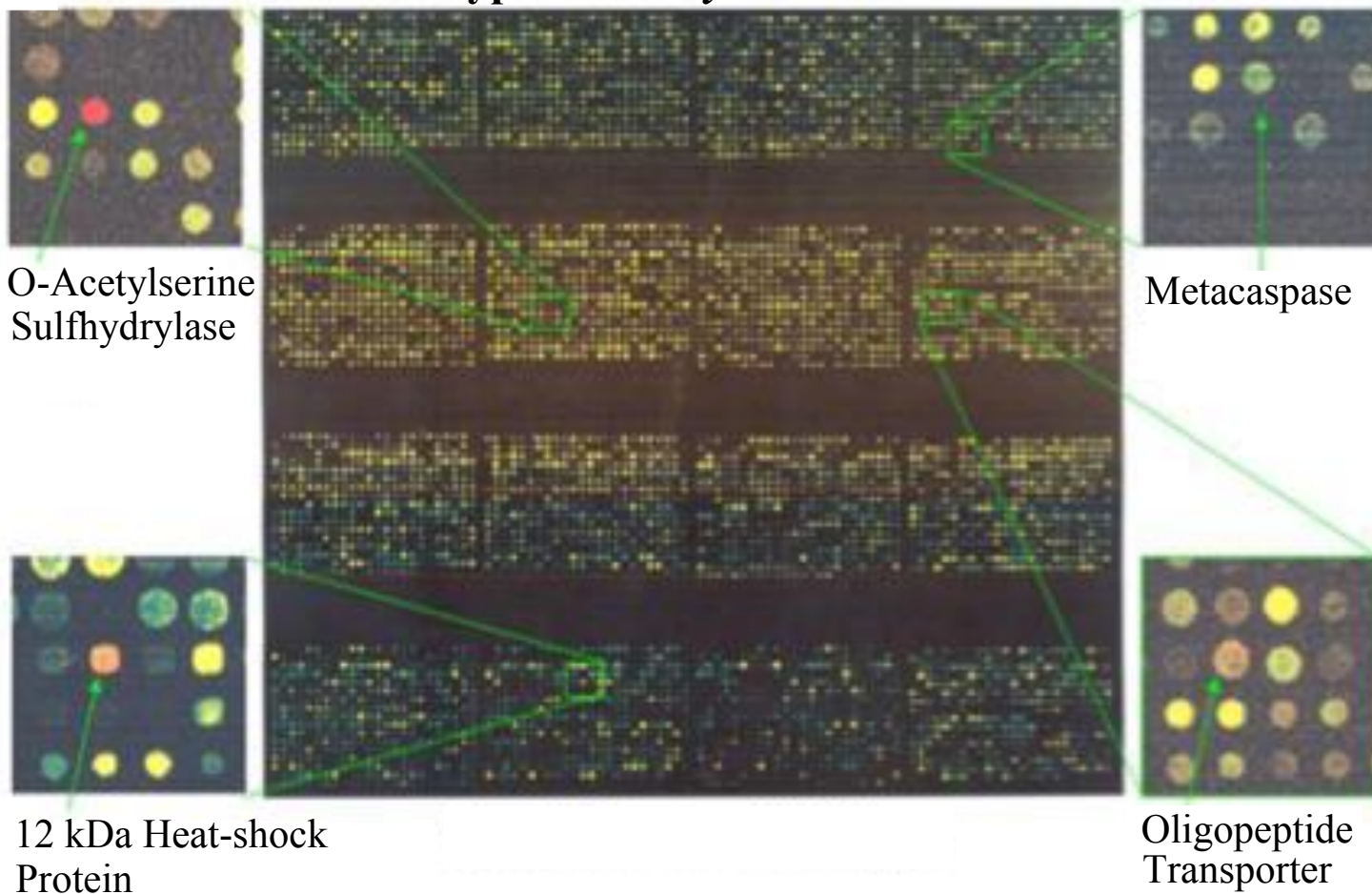


# Science Documents™

## Wild Type *versus* $\Delta yca1$ Mutant Cells



Yeast Mutant Whole Genome Microarray

# A Spin On Global Warming: Climate Remodeling

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## Context

There is an undeniable force plaguing our Earth. The Earth is a holistic entity such that when one aspect of it becomes disrupted, the whole system is thrown out of equilibrium. This has been evident in the present such that mankind is going out of its way to mend the entropy it caused in the first place. The bustle of daily life makes these changes go unnoticed; only when there is retrospection is the alteration clear. This can only be explained by a plethora of factors, independent of each other, that affect our planet as a whole. Disturbances include natural events, such as earthquakes, tsunamis, and hurricanes. Man-made events have just as much potential to alter such as deforestation and building offshore islands. Both kinds of events disrupt ecosystems that took millions of years to develop in a mere fraction of the time. This act of destruction can have expansive effects on global climate, policies and perception.

used to vary in distinct periods and there was a discernible pattern. However, relatively recently there has been an unnatural shift in climate measures coinciding with the advent of industrial technology. Mankind has developed tools to make its mark on this planet and has been doing so at a rapid pace. While preservation measures, such as greener technology, are put into place to stymie mankind's negative impact on the environment there is no guarantee that our methods will yield any meaningful results. Overpopulation and the lack of resources act as a time limit for our planet and will lead to worse and irreversible outcomes as time goes on.

## Implementation

It is paramount to cease alterations caused by mankind if the environment and the future of the planet is to be preserved. This does not imply the need to make less progress; in fact, it encourages progress to find a way for the operations that rule our lives to be less wasteful and more efficient. At first glance a small forest of trees being cleared down or a minor oil spill in the vicinity of a vacant island might not seem like it would affect the entire globe, but multiple incidents add up and create a pathway that will lead to the destruction of our planet.

## Acknowledgements

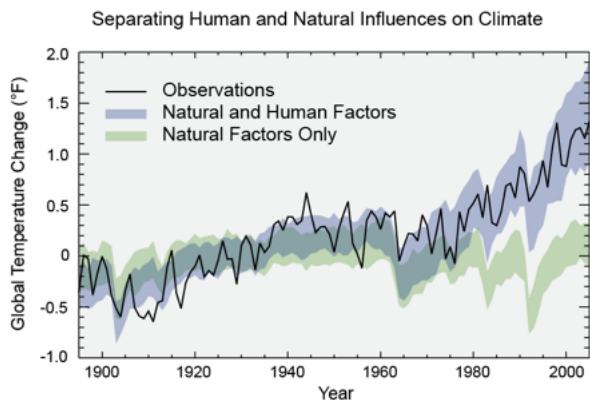
None.

## Conflicts of Interest

There is no conflict of interest with this write-up.

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**Fig. 1.** The effects of human activity are broken down and separated from natural factors. In a compact time (1900 to 2000) the global temperature does not fluctuate significantly when only natural factors are accounted for. When human factors are incorporated we see a linear trend that strays from the trend. *Source: NASA, USA.*

## Vision

The natural alterations that the Earth experiences have been happening ever since its inception. What has accelerated the process of change on the Earth is compounding these natural disturbances with those caused by man. As a whole, this process can be traced back to the time mankind became capable enough to manipulate nature to its benefit. Ever since then slight changes have been accumulating to create the slowly decaying environment we live in now. This has to be a product of climate remodeling that's been in progress for a very long time.

## Analysis

Climate remodeling has been in force ever since humans started utilizing industrial technology. Before this, climate

