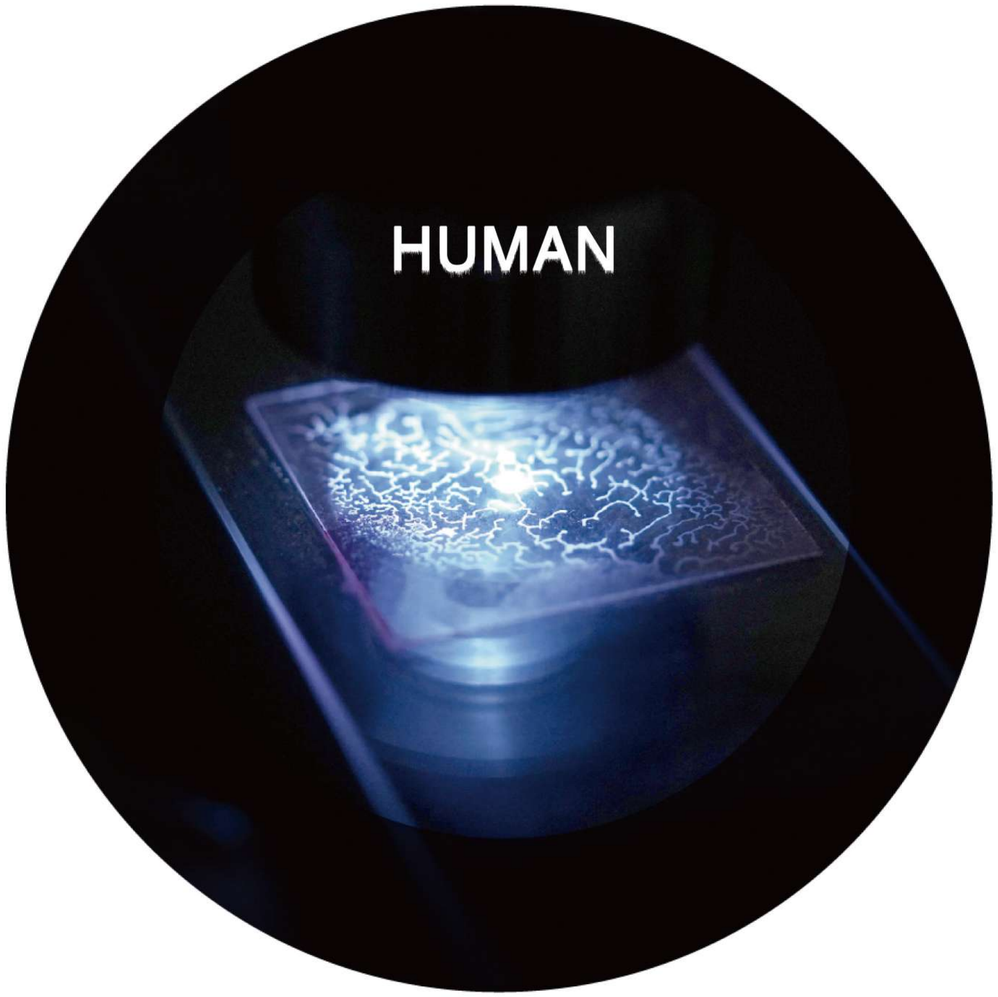
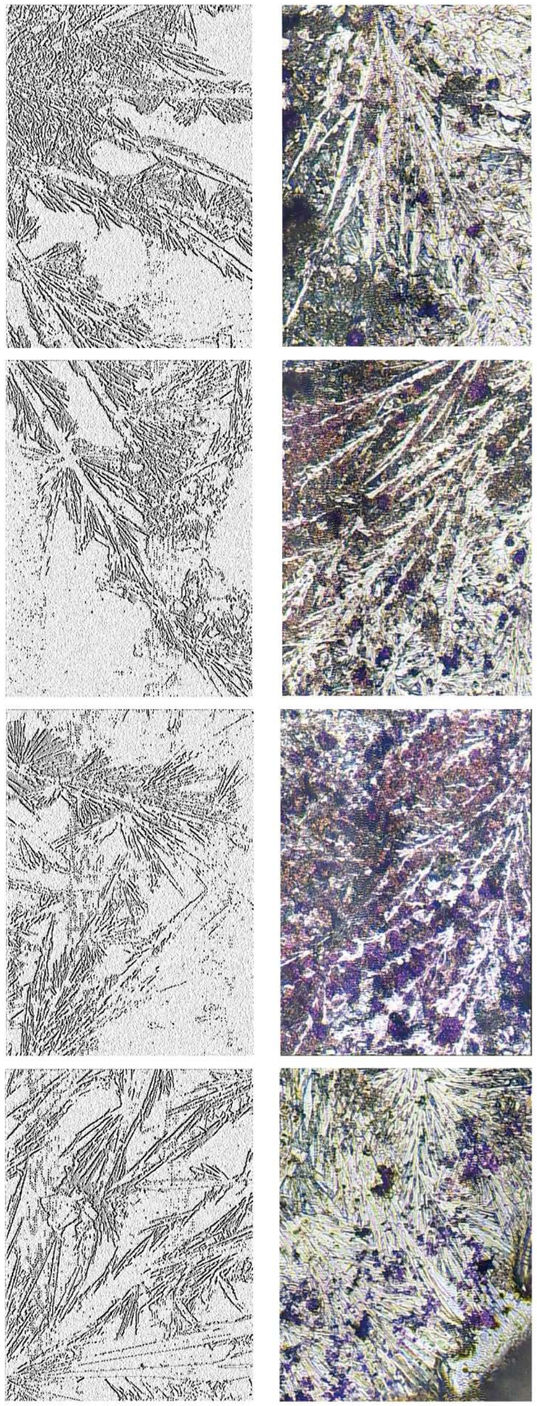
MOON
THE INCOMINGTIDE
HORMONE
HUMAN
ESTROGEN
MOON
HORMONE
OCEAN
HUMAN



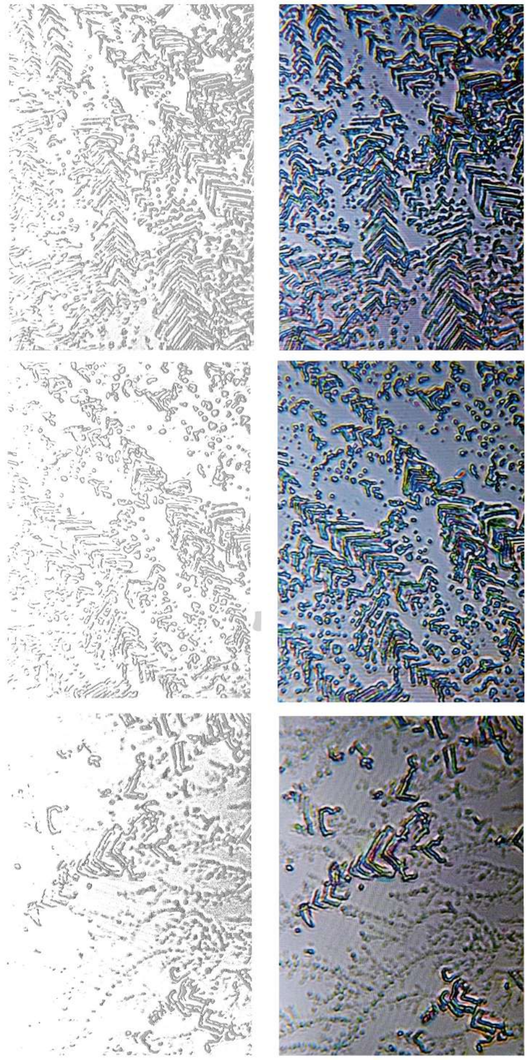
THE INCOMING TIDE

PART 1

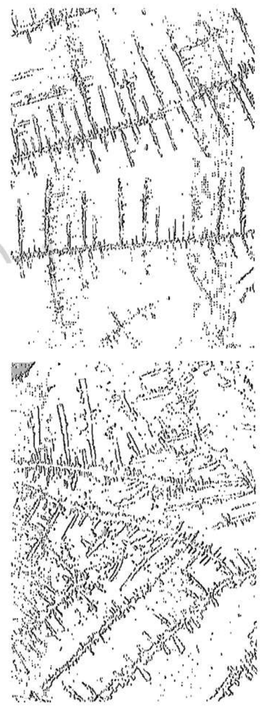
STAGE 1



-Atypical Crystal: Both the main stem and branches are delicate and slender, with sparse branching. Some resemble the feathery structure of the goldfish plant



-Atypical Crystal: The main axis is relatively soft, with shorter and fewer branches, resembling snow weighing down on tree branches.



-Typical Crystal: The core is a stem, with dense and elongated branches perpendicular to the main axis.

RESEARCHING "HORMONES"?

Observing things at the molecular level is challenging through conventional means. Through an exhaustive search on the internet, I finally unearthed relevant information. In a medical examination related to prenatal monitoring in a hospital, estrogen can be visualized through microscopy, human saliva, and simple experiments.

IMPLEMENTATION

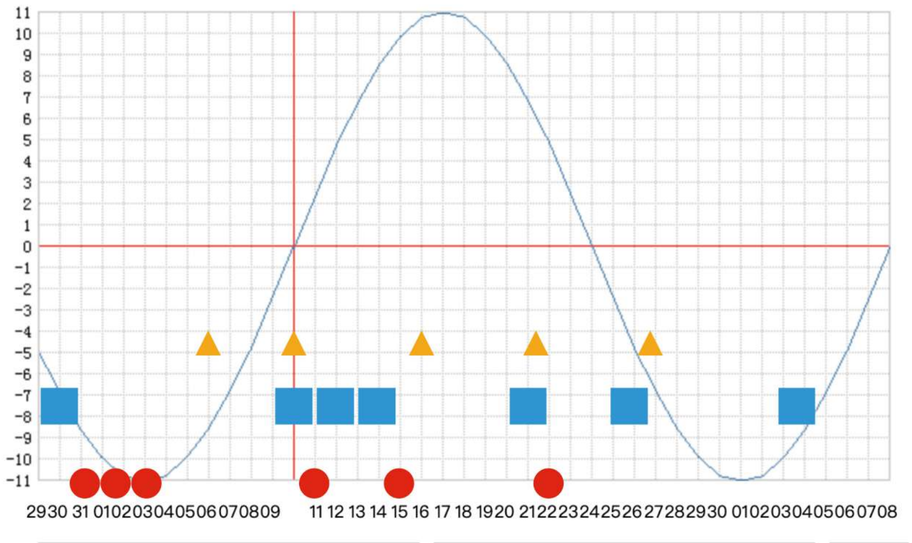
I meticulously documented my personal physiological cycle, collecting saliva samples during the peak and off-peak periods of estrogen. To my astonishment, I discovered that under the influence of estrogen, observable morphological changes occur in inorganic salts in the micro-environment.

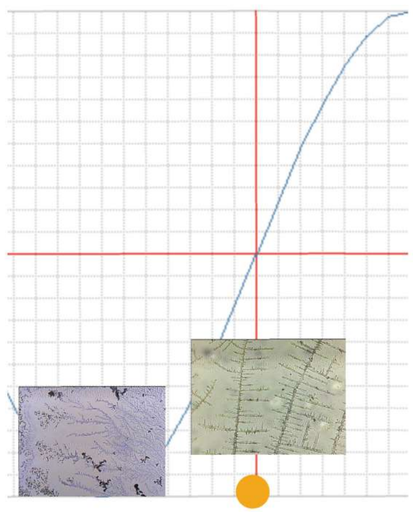
STAGE 2

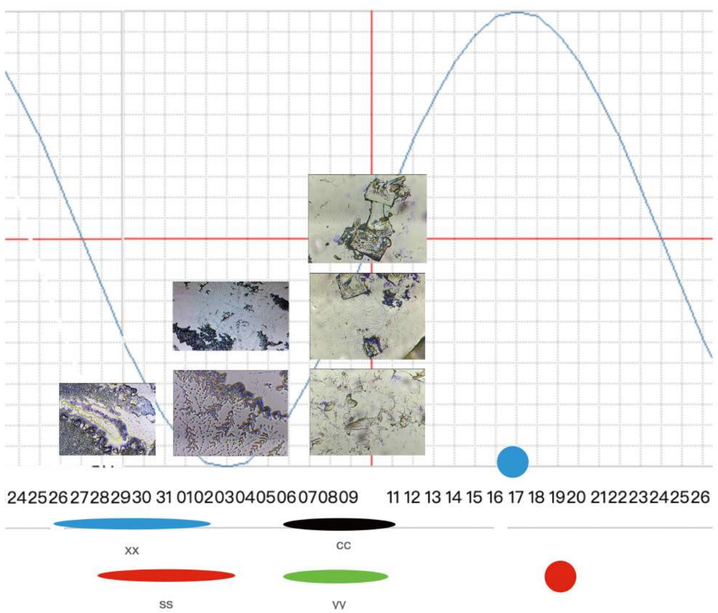
REPEAT EXPERIMENT

I extended invitations to several female friends with different menstrual cycles, collecting their saliva samples for a unified experiment.

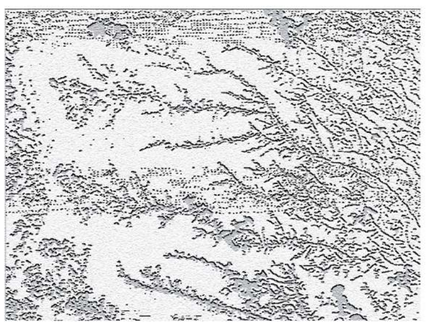
This aimed to ascertain the macroscopic and microscopic crystalline forms of individuals during different periods. The distinctions at the microscopic level and their temporal expressions were remarkably evident. Five different forms of crystals were successfully observed.

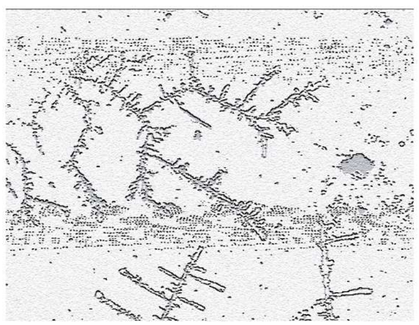


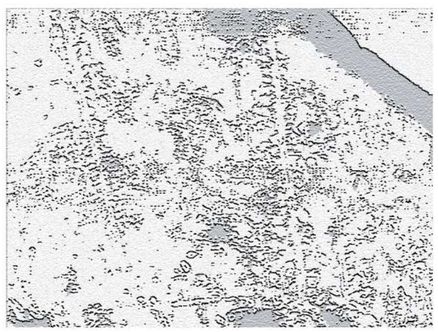


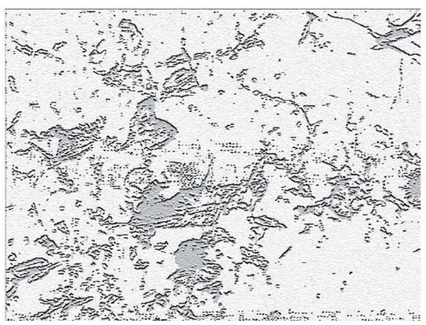


Crystalline Evolution Across Five Phases of the Menstrual Cycle

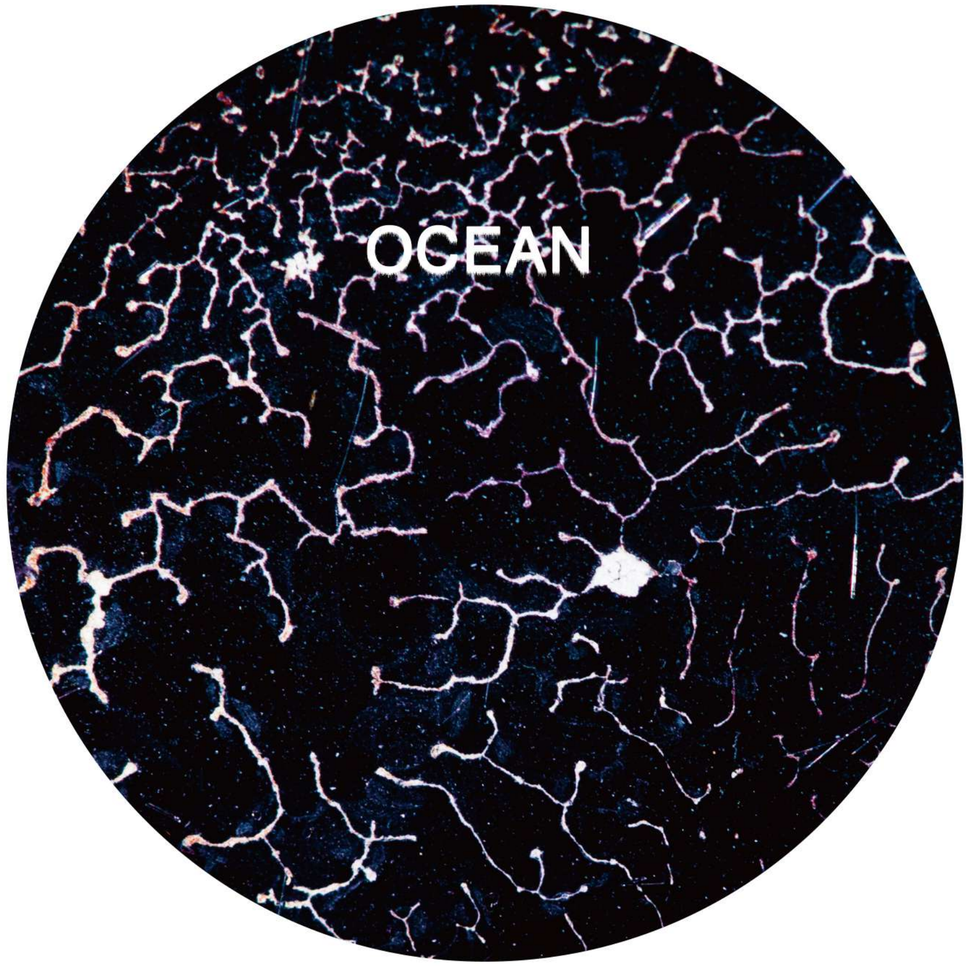








Delicate Observation
HORMONE
THE INCOMING TIDE
SALT
MOON
HORMONE
OCEAN
HUMAN



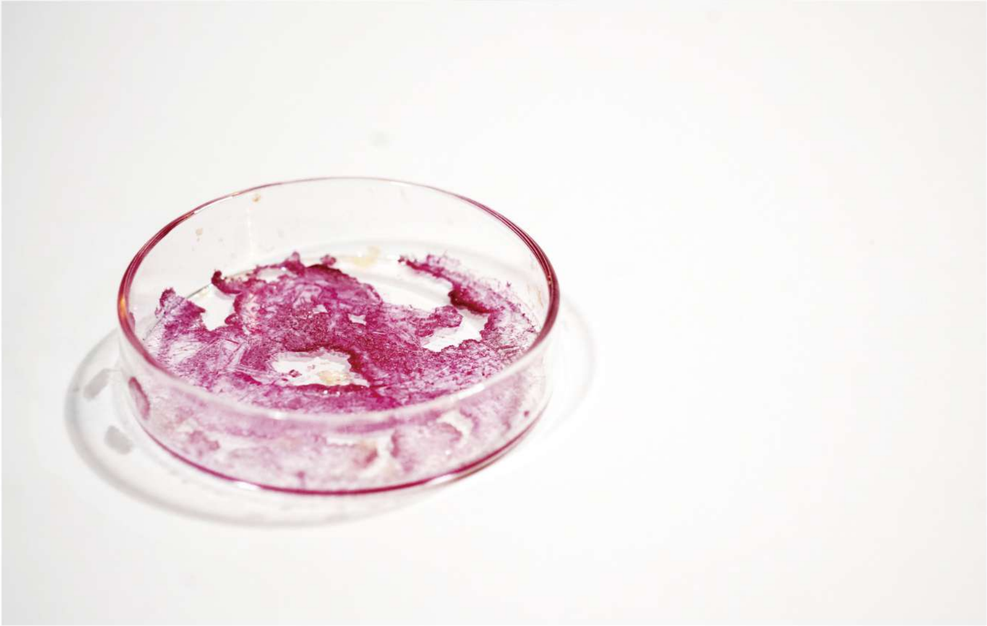
THE INCOMING TIDE

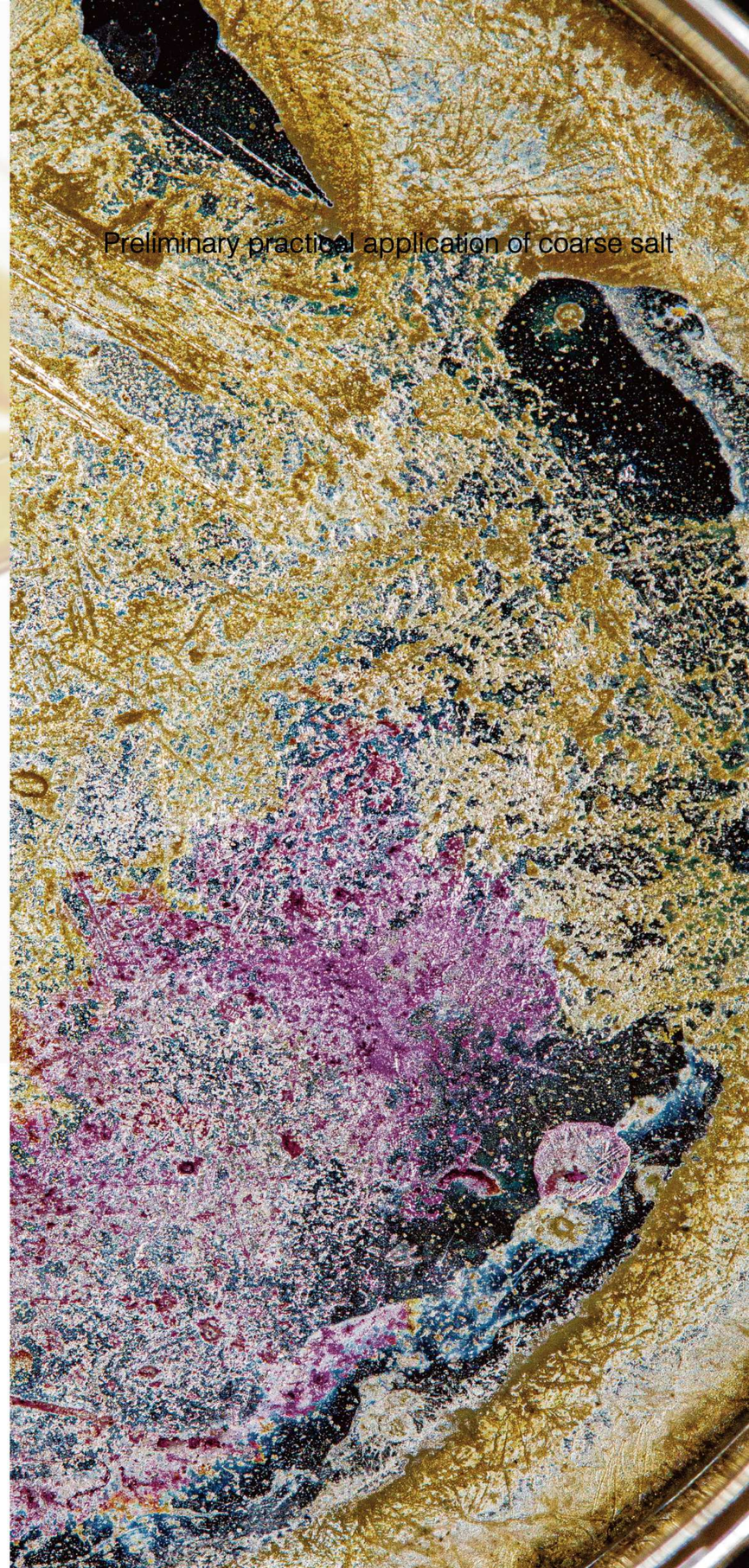
PART 2

IMPLEMENTATION

1-Significant color changes in the test specimen under pronounced acidic conditions

2-Sodium salt predominantly composed of phenol red





Preliminary practical application of coarse salt

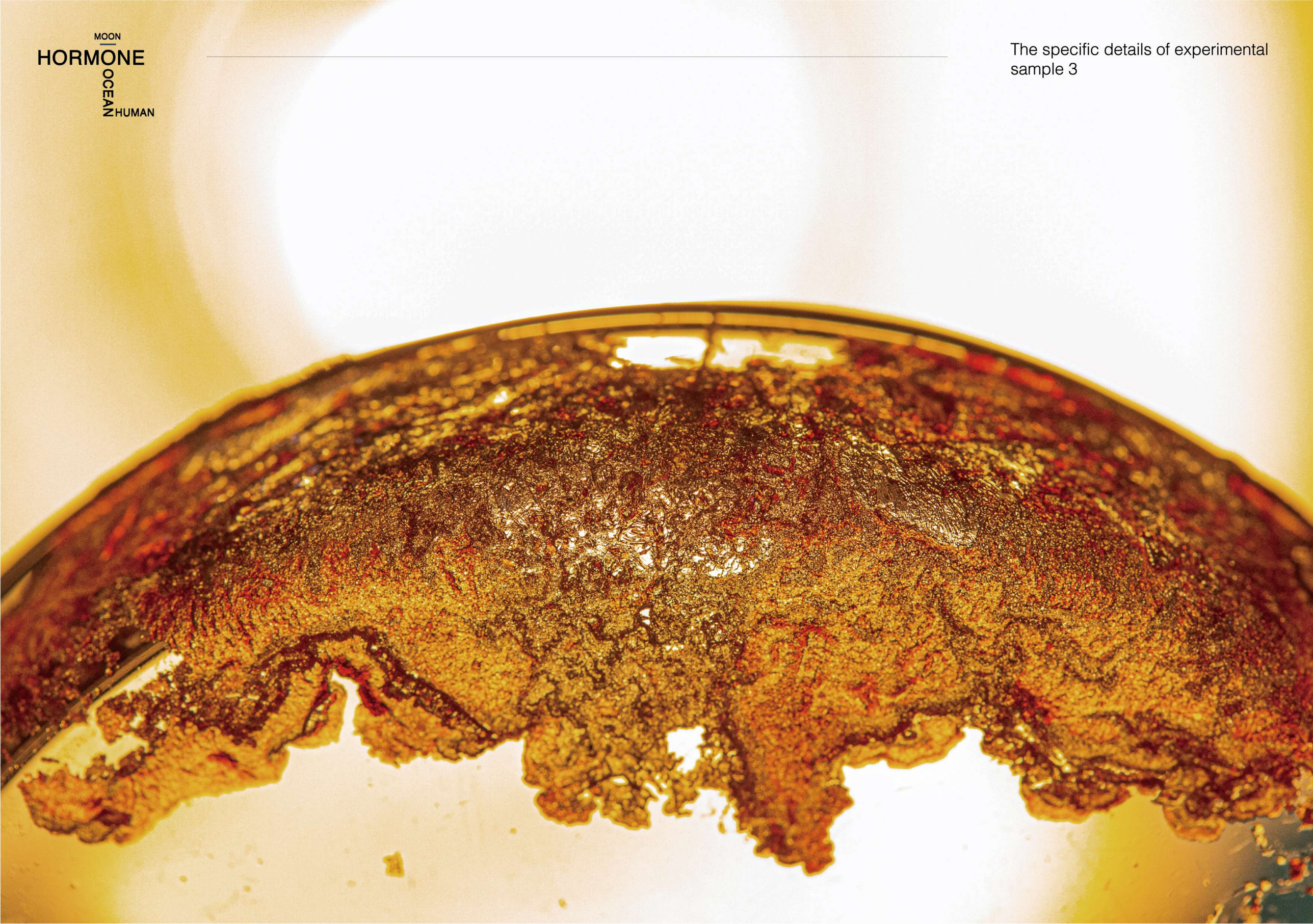
Amplifying Experimental Results

To amplify the results, we increased the quantity of hormones and inorganic salts, employing a substantial amount of purified hormone extracts, synthetic hormone medications, various inorganic salts, and essential environmental metallic compounds under the theme.

We also enlarged the crystallization process, incorporating plant components rich in estrogen. In the second phase of experiments, as expected, their imaging exhibited a discernible response.

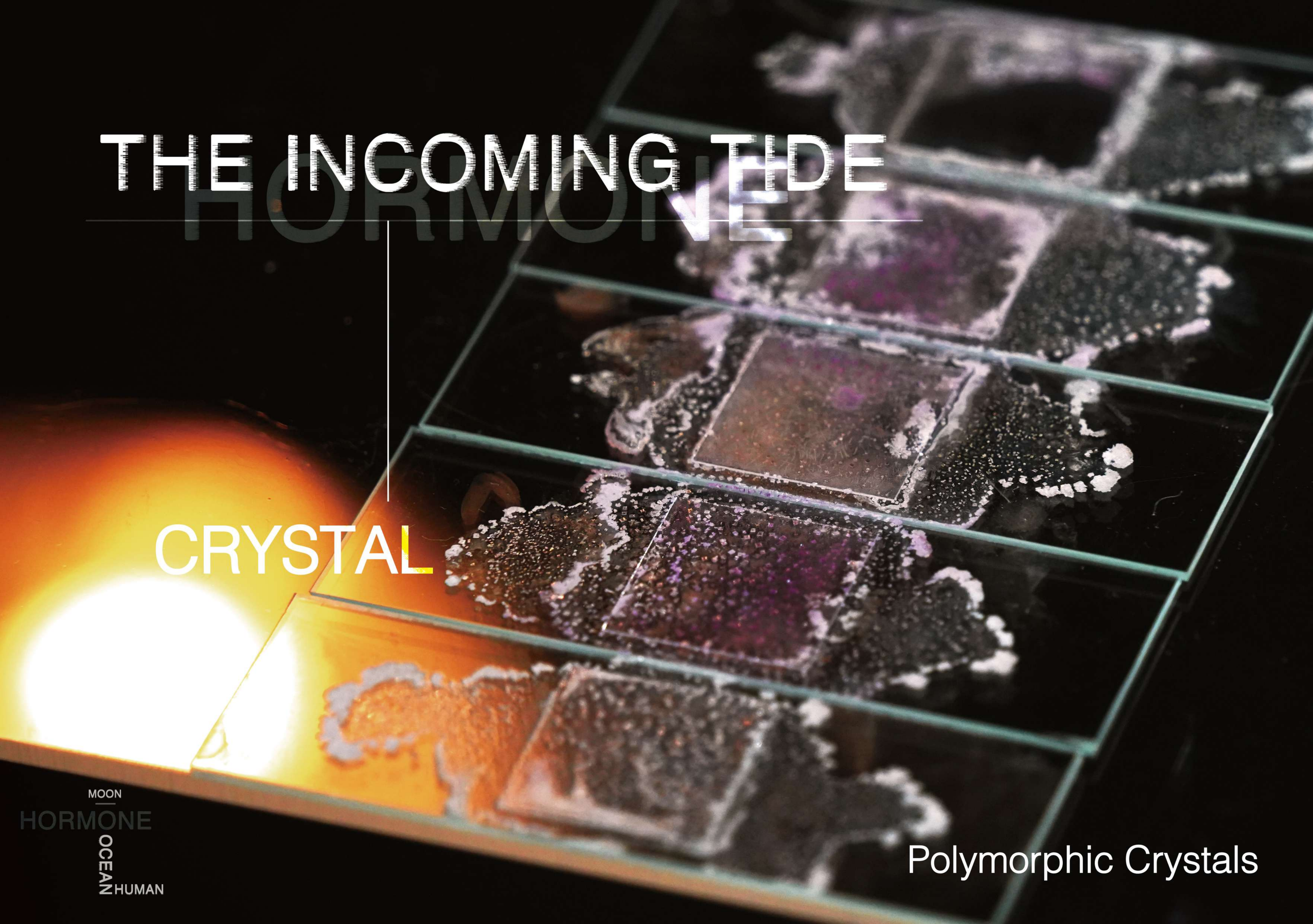
3-More prone to climbing in a neutral environment.

The specific details of experimental sample 3



THE INCOMING TIDE

HORMONE



CRYSTAL

MOON
HORMONE
OCEAN
HUMAN

Polymorphic Crystals

THE INCOMING TIDE

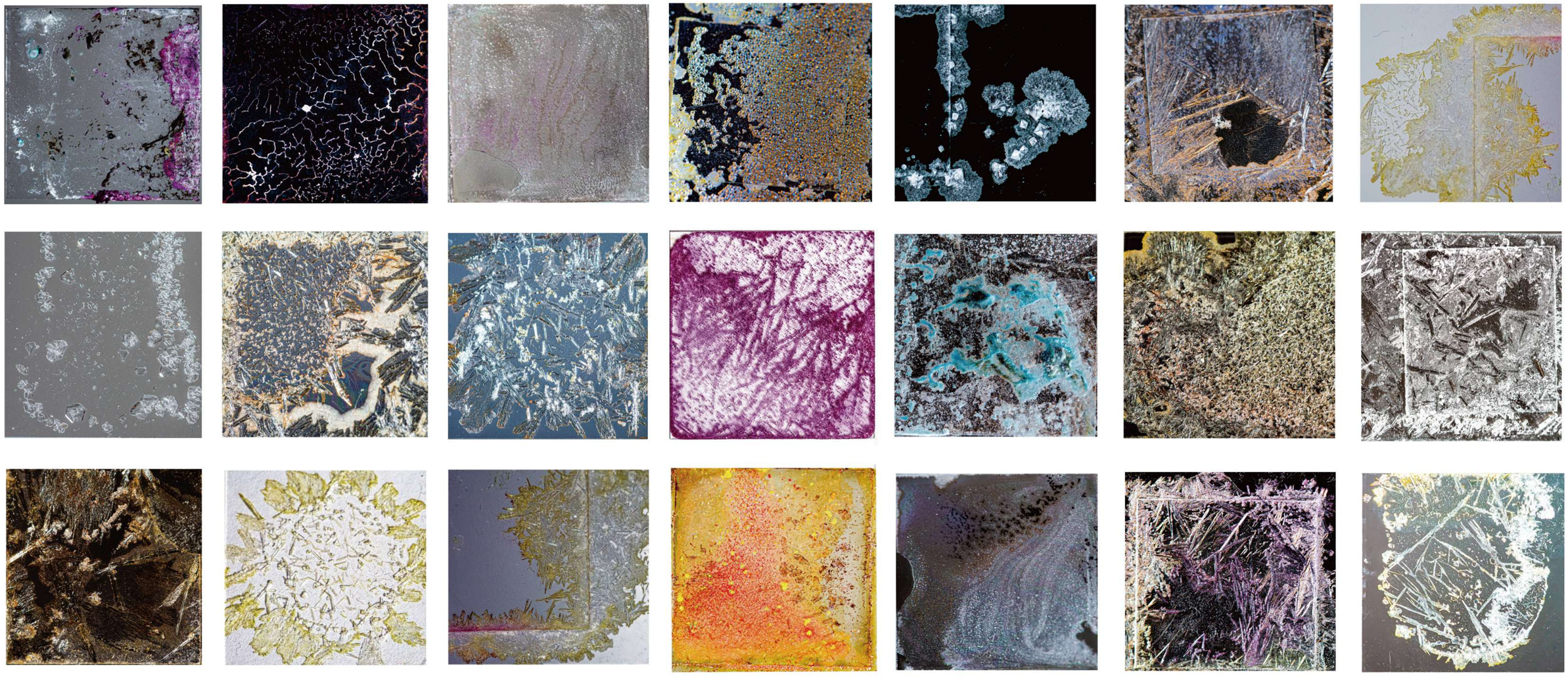
PART 3

STAGE 1

HORMONE CRYSTAL ARRAY 1

On a macroscopic level, we amplified the quantity of estrogen within the body, mixing and simulating substances such as inorganic salts and metal ions present in the body's environment.

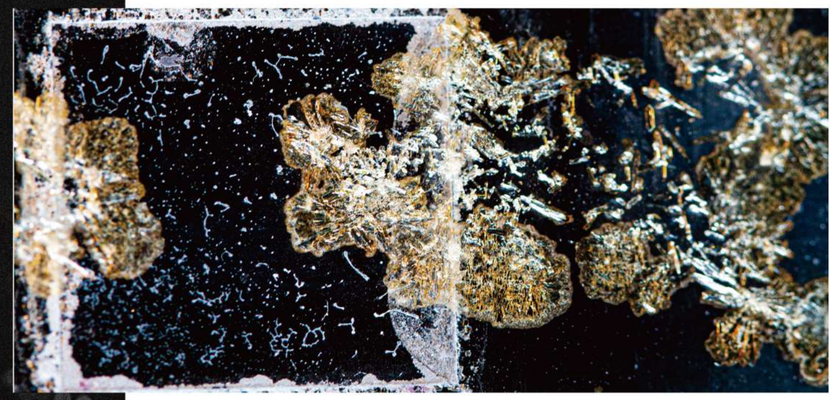
We conducted a small batch of crystal cultivation, successfully producing a diverse array of crystals within the constraints of the cultivation environment.

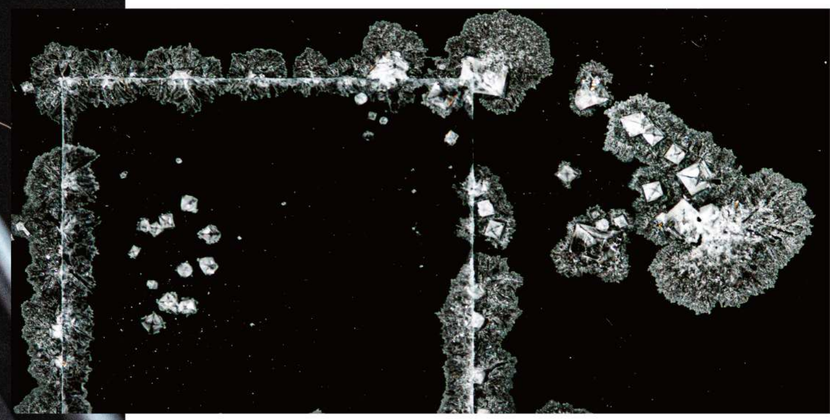


STAGE 2

HORMONE CRYSTAL ARRAY 2

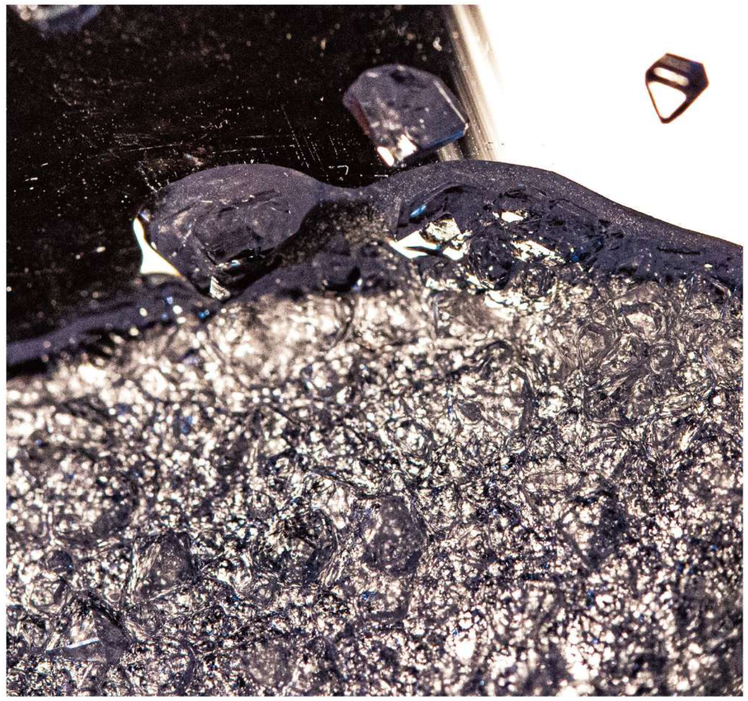
These crystals served as exclusive hormone specimens, unique to each individual.





HORMONE CRYSTAL ARRAY 3

At the genesis of this research, the sample pool is constrained. In the future, there is the potential to broaden the scope of experiments to encompass various age groups, including middle-aged and post-menopausal women, and even men, allowing for an expanded range of individual differences.



HORMONE CRYSTAL ARRAY ·····

There exists significant room for enhancing the complexity of the crystal entities themselves. For instance, the categorization and subsequent cultivation experiments could involve systematically mixing various inorganic salts with human hormone signals and environmental cues.