

Business Unit: Environmental Medicine
Keynote: #12

London:

Salvagene becomes the world's first provider of epigenetic analyses of the body clock gene following the award of the Nobel Prize for research on the influence of light on the circadian rhythm.

NEW!

Dear Customer

Just two months after the Nobel Prize for Medicine awards ceremony, **Salvagene** extending its epigenetic analysis to the vital body clock genes.

**CLOCK
CRY1
BMAL1**

The Nobel Prize-winning team showed in their work how important these genes are in the context of the personal light environment for our circadian 24-hour rhythm, exerting a significant influence on our hormone balance with resultant effects not only on sleep and vitality but also on susceptibility to cancer.

This work was also the basis of our **Salvagene** light concept module (see Newsletter No. 11).

Decisive for the positive or negative influence of these genes on our health is the level of methylation. If they are heavily methylated as a result of a wayward lifestyle this causes changes to the transcription profile and the corresponding protein cascade, leading to health problems which are generally undetectable using conventional medical analysis.

In particular, sleep deprivation, low energy levels, poor concentration, weight problems, diabetes, fatigue, lack of physical and mental vitality, skin disorders, autoimmune diseases and cancer susceptibility (especially breast and colon cancer) can clearly correlate with a high level of methylation of the body clock genes.

Our new epigenetic analyses of the most important body clock genes (**CLOCK**, **CRY1**, **BMAL1**) indicate precisely the level of methylation and, with timely interven through a personalized nutritional and environmental concept, allow the genes to remethylated, thereby improving and optimizing their function. The benefits for are enhanced vitality and ability to concentrate, a healthy appearance and increa cancer protection.

This new analysis will be available from 1st January 2018. For our Platinum customers, these analyses will be automatically performed free of charge in course of our telomere and epigenetic analytics updates.

Advance notice: Salvagene will be introducing epigenetic analyses of the most important tumor suppressor genes from April 2018 onwards.