

# Let us redefine the *rhythm* of therapy together.

At TimeTeller, we are an interdisciplinary team of scientists, clinicians, technology and regulatory experts.

Our mission: to make the internal clock usable for more precise, personalized cancer therapy.

Based on years of research, we develop solutions that bring the circadian rhythm into clinical practice.



TimeTeller GmbH is a spin-off of Charité – Universitätsmedizin Berlin, based on excellent research in the field of circadian medicine.

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## Our motivation: More precise medicine through circadian research



**Prof. Dr. Angela Relógio** and **Dr. Benjamin Dose** are the founders of TimeTeller® GmbH, a spin-off of Charité – Universitätsmedizin Berlin.

Angela Relógio, as Professor of Systems Medicine, brings the scientific foundation and circadian expertise into the company, Benjamin Dose, as a PhD biochemist and expert in the certification of medical devices, is responsible for the regulatory strategy and the transfer into medical practice.

Together, they are transforming insights from chronomedicine into evidence-based solutions, driving more precise treatments, better patient outcomes, and the next generation of personalized medicine.

## TimeTeller in cancer treatment



**60%** of cancer patients must undergo chemotherapy, which has severe short- and long-term side effects.



**20%** may have to discontinue the treatment due to its high toxicity.

The timing of medical treatments in alignment with an individual's circadian rhythm can improve effectiveness, reduce side effects, and enhance quality of life. Six out of ten new drugs do not perform sufficiently in clinical trials – two more fail due to excessive side effects.

This is exactly where TimeTeller® comes in: using saliva analysis and computer-based modeling, we create individual timing profiles for personalized therapies. We are currently validating the method in clinical studies – for improved cancer treatment.



If the timing of treatment aligns with the internal clock, side effects can be reduced and effectiveness can be improved.



# Better timing for cancer therapy

TimeTeller® measures when therapies are most effective.



## A *new rhythm* for therapy

TimeTeller® measures the body's internal clock to determine the optimal timing for therapy. This allows treatments to be more effective – while significantly reducing side effects for patients.

## Why *timing* is crucial in cancer therapy

The success of cancer therapy depends on many factors – but the patient's internal clock has so far received little attention.

Yet it plays a crucial role in how the body responds to medications and treatments.



## How it works

### Sample collection

Patients collect 4 **saliva samples** over a day in their **home environment**.

The samples are then sent to the TimeTeller® laboratory for analysis.



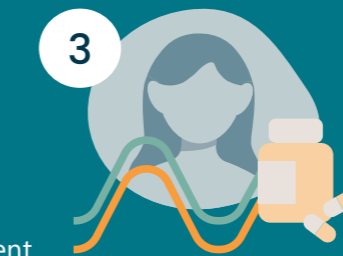
### Circadian rhythm analysis

Using **molecular biological methods**, the individual **circadian rhythm** is determined. The results are summarized in a **structured report** and supplemented with recommendations for time-of-day-optimized daily routines.



### Application in the therapy process

The analysis results support medical professionals in tailoring therapy plans to the patient's biological daily rhythm – with the goal of sustainably improving treatment effectiveness and quality of life.



## An innovation that benefits *everyone*

### First and foremost: For cancer patients

- Improved treatment outcomes through individual adaptation
- More gentle treatments and fewer side effects
- Higher quality of life during therapy

### For physicians & clinics

- Innovative positioning through personalized treatment concepts
- Improved therapy planning and optimized use of resources
- Higher patient satisfaction and retention

### For partners in research & the pharmaceutical industry

- New scientific approaches for drug development
- Opportunities to optimize clinical trials
- Competitive advantages through innovative therapeutic approaches

### For investors

- Investment in a forward-looking technology within the growing personalized medicine market
- Attractive prospects due to a wide range of applications