SEARCHING FOR
Smart Solutions in Data-Analytics & New Data-based Approaches for Personalized Drugs

GEROT LANNACH

Corporate Call
Health Tech Hub Styria (HTH) Pitch & Partner 2021

Graz, Austria
28 January 2021

https://www.hth-styria.com/

Why should you apply...

You are specialized in data analytics and data-driven solutions?

You have an idea or innovative approach of how to develop a smart algorithm for personalized oral drugs?

You have experience in a similar or even different field that might fit or be transformed to our needs?

Do you want to get your idea or solution to market with a strong partner?

We will support the best proposal appropriately!

Your benefits

- A **joint approach** in developing a personalized medicine solution with our innovation team

- **Access to our strong network** of cooperation partners including a site visit at our HQ in Lannach

- **Piloting and testing of your solution** (app, data model, etc.) with selected business partners

- Our selected project partner will be **rewarded two exclusive "EIT Health Summit tickets"** powered by EIT Health (details will follow ...)

Our major topic is...

... to support novel data-based strategies for the most effective drug combinations in the context of personalized medicine. Research has shown that it is possible for machine learning algorithms to be used in therapeutic drug monitoring. With a well-structured, rich, and large dataset, a very accurate model can be built.

Facts & Figures

- **Personalized oral dosage** forms, like for instance for epilepsy or other deseases, are currently not available on a broader scale

- Patients receiving treatments for multiple diseases have to take **too many different drugs at a time**

- **One-size-fits-all** approach in certain cases only works sub-optimally

- From diagnosis to manufacturing, the **current process** of drug delivery still comes with few examples of a **data-based approach to personalize medicine** on an individual level

We are searching for...

.... a **solution**, **an innovative approach** or a **best practice example from your field** that has a data model at its core and will help us with our topic.

.... a solution (e.g. a mobile app, web-based data model, etc.) that should generate recommendations for automized, personalized, 3DP/2DP printing technology enabled drugs.

In a future cooperation we would like to develop an analytical model, which incorporates the following features

- Cleans, structures and analyses data input effectively and reliably

- Creates and improves treatment algorithms on basis of several big data sets considering different diagnostic aspects, drug interactions, incompatibilities, genotyping, chronobiology/circadian rhythm, daily fluctuations of symptoms etc.

- Provides a data-based recommendation/input for the drug manufacturing process (e.g. 3DP/2DP) in order to produce a personalized tablet, sublingual film etc.

- Includes potential feedback loop as treatment control

Who we are & what we believe in...

We believe that in the future, medications will have to be even better tailored to meet individual patient needs.

We believe in data-based, analytical approaches to manufacturing & solution delivery in order to provide high-quality care to patients.

Find more information about our company at **www.gl-pharma.at**

Key figures

175 Mill. EUR total sales FY 2019	**900** Employees	**12** Countries with employees active for us
50 Countries with sales to health-care providers	**2,500** Approved marketing authorizations	**4,200** Mill. daily doses manufactured at our 2 Austrian sites

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