



TRANSYS

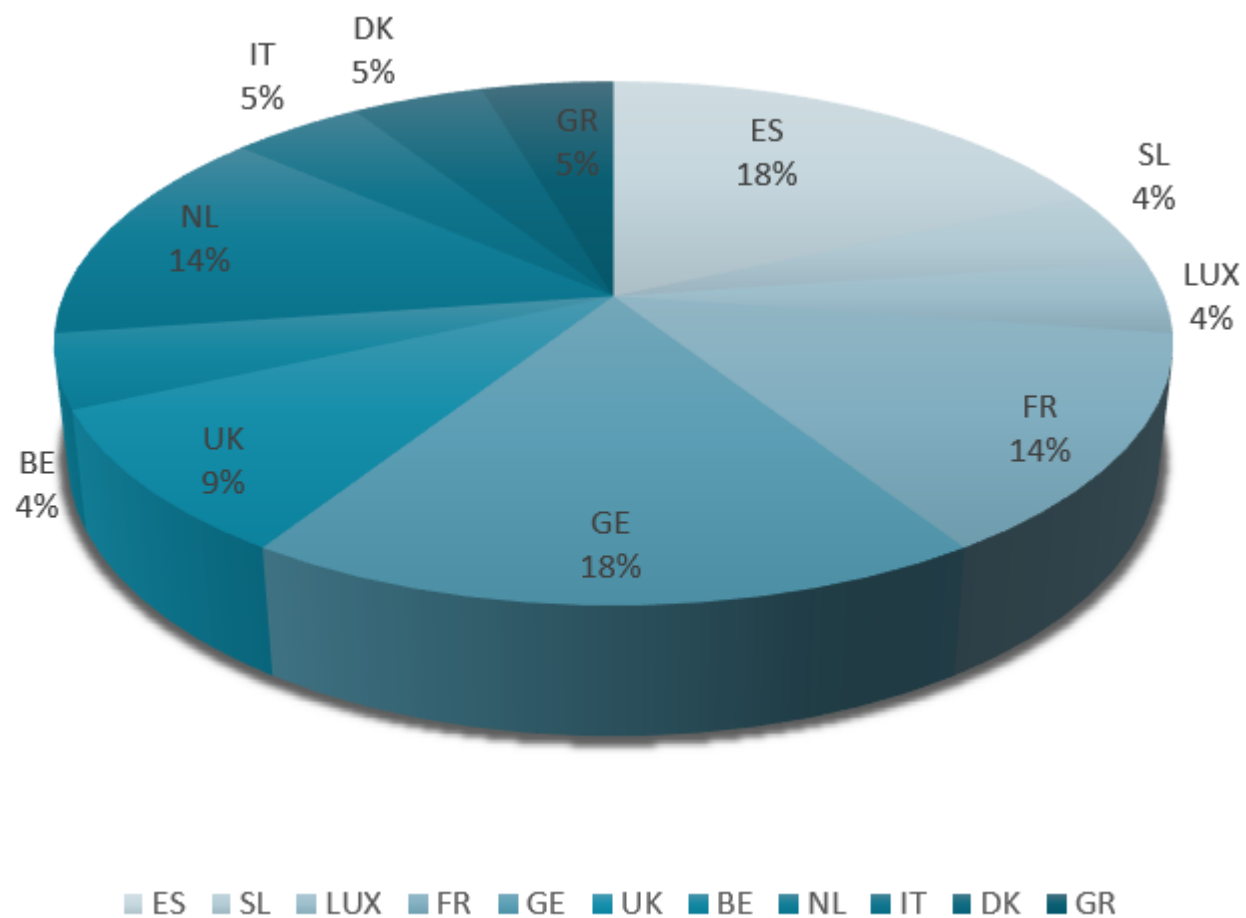
PERSONALIZED MEDICINE



- 13 Partners recruiting Early-Stage Researchers (academic, institutional, corporate)
- 4 Additional Corporate Partners
- 5 Additional PhD degree granting universities



22 Interdisciplinary Partners



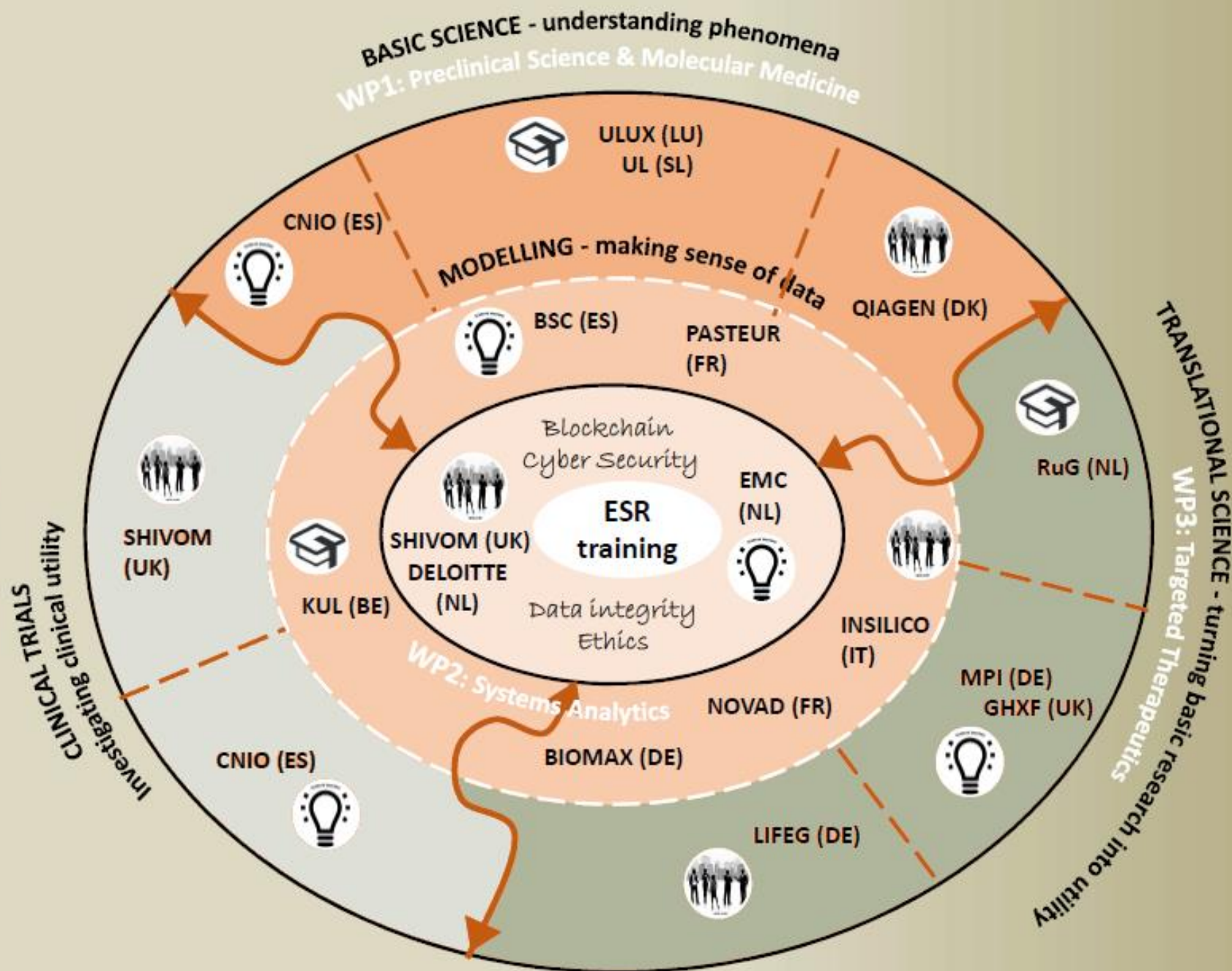
Input

Data

Health
challenges

Market
pull

Research
questions



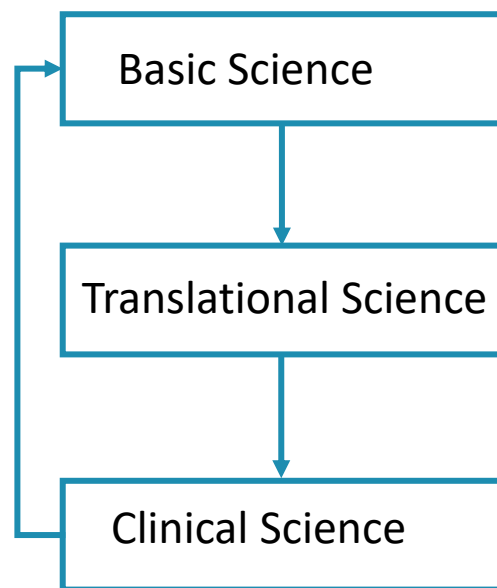
Output

Tools

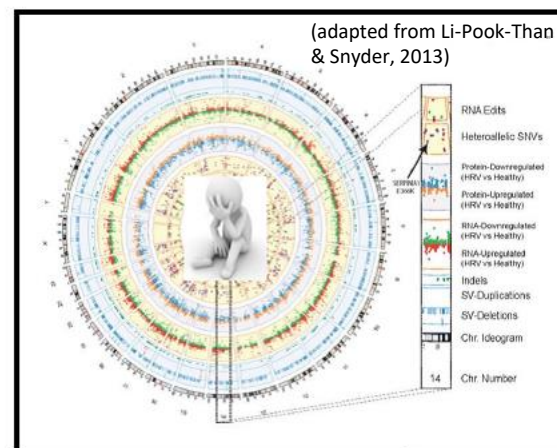
Novel
strategies

Market
value

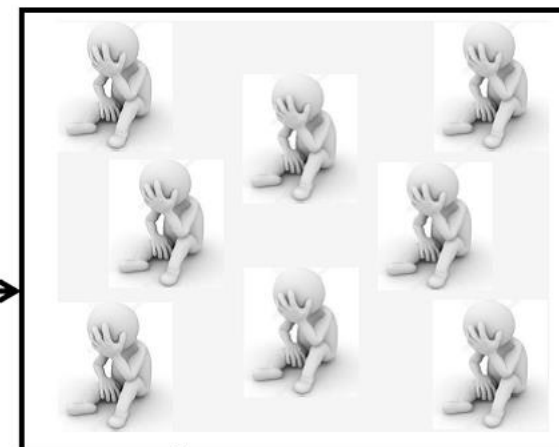
Guidelines
translation



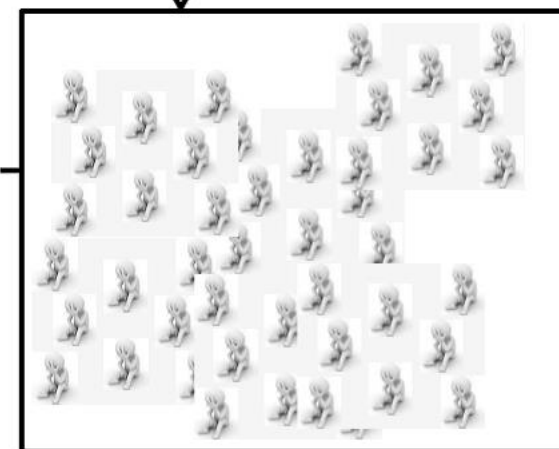
Personalized Medicine



Learn by recognizing
relevant patterns

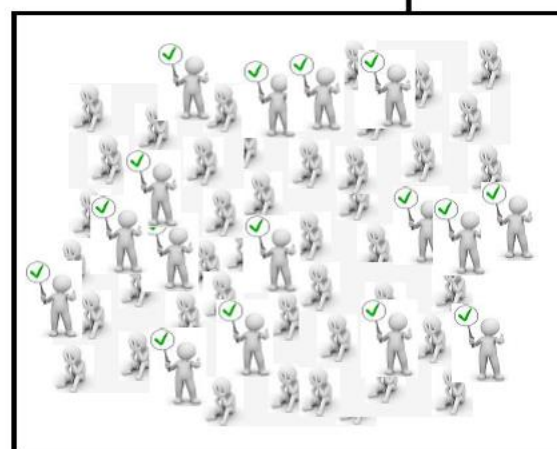


Bioinformatics-driven
disease management



Redefine
patient state

Public Health



TranSYS Scientific Work Packages

WP1: Preclinical Science and Molecular Medicine: The aim is to advance new and improved approaches for the detection, diagnosis, prevention and treatment of a diverse range of chronic complex diseases.



WP2 Systems Analytics: The aim is to use state-of-the-art data analytics to advance PM and patient stratification strategies, building on preclinical and clinical research.

WP3: Translational Medicine for Targeted Therapeutics: The aim is to advance research on defining and detecting “similarity” between individuals for risk assessment, refined diagnosis (subtypes of disease) and targeted therapeutics. The model of PM is built on observed population/patient heterogeneity, including in risk, etiology and clinical symptoms.



Transversal Projects spanning WP1-WP2-WP3: Apart from providing dedicated training, key foundations to research activities are central to three ESR projects, including GDPR, cyber security and blockchain in clinical trials contexts.



You are a dynamic early stage researcher looking for exciting opportunities in precision medicine at the interface of translational research and systems medicine?

Check out our application website! There are still a few positions left!



Key dates

Rolling recruitment: Positions will remain open until filled

21-12-2019: Opens rolling recruitment

Candidates are evaluated in a rolling bases.

Top candidates per ESR topic will be contacted for an interview

Target starting date for ESR contracts:

AS SOON AS POSSIBLE

<https://h2020transys.eu/transys-recruitment-2nd-call/>



TranSYS

Kick-off

MINI-SYMPOSIUM

18-19 March 2020

Leuven, Belgium



Funded by the European Union's Horizon 2020 research and innovation program under the Marie Skłodowska-Curie grant agreement No 860895.



Kick-off Mini-Symposium Sponsors



https://ec.europa.eu/research/mariecurieactions/node_en



www.gbiomed.kuleuven.be/origene

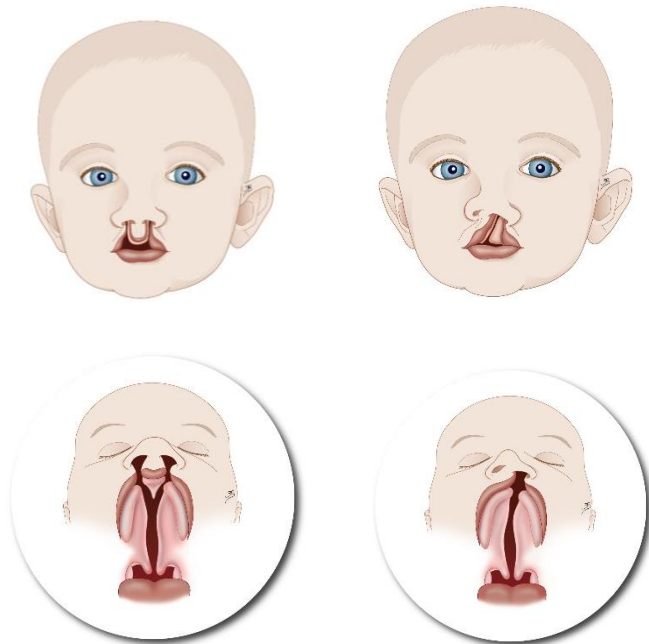
MISSION

The OriGENE Fund of KU Leuven supports research on causal mechanisms of orofacial cleft development and on translation into personalized risk profiling and personalized prevention



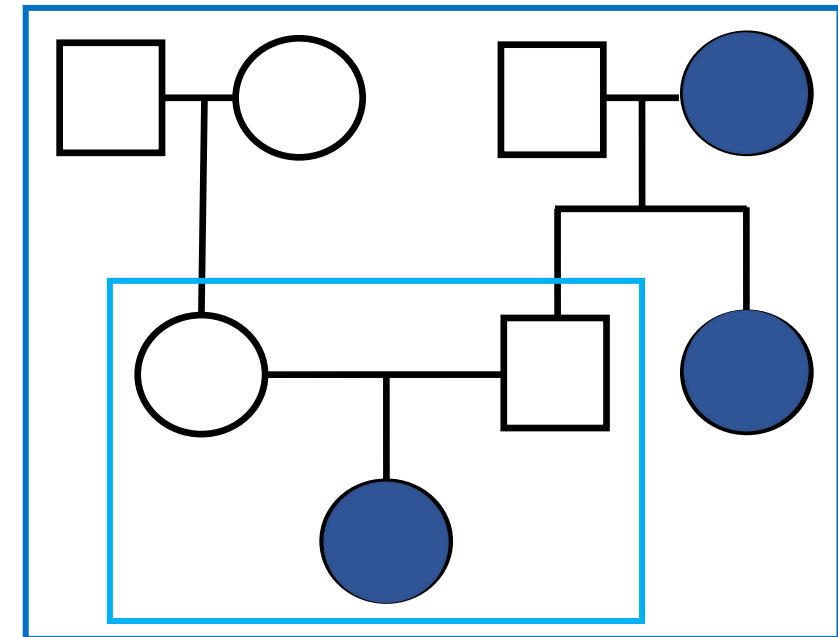
OROFACIAL CLEFTS

- Clefts of lip, jaw and/or palate
- Most frequent craniofacial birth defect worldwide (~1 in 700 live births)
- High medical and psychosocial burden
- Risk factors and/or triggers of the most frequent non-syndromic forms are still not well understood

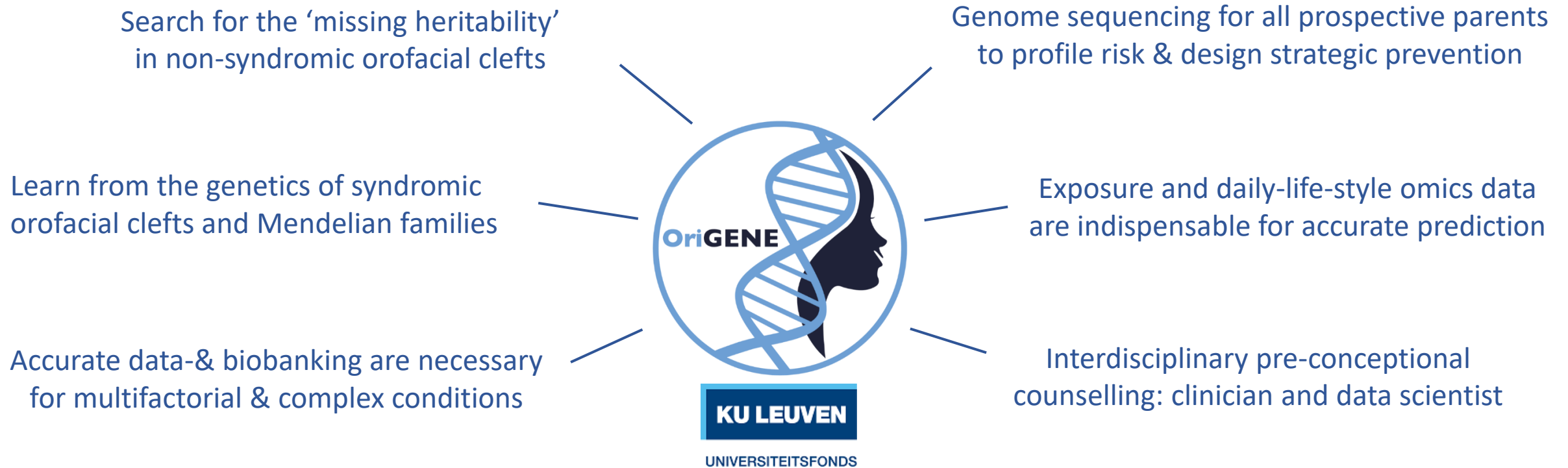


SCIENTIFIC ASPIRATIONS

- Further unravel the heterogeneous and complex genetics and genomics architecture of non-syndromic OFC using WGS, CNV and epigenetic analysis in Mendelian families with at least 3 affected family members and in case-parents triads
- Parents' periconceptual questionnaires



OriGENE IN PERSONALIZED RISK PROFILING FOR PRECISE PREVENTION



The more we find, the more we see, the more we want to learn.

The more we explore, the more we shall return.

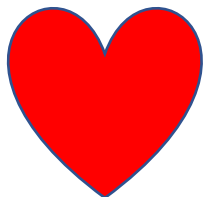
Sir Tim Rice, Aida, 2000



www.gbiomed.kuleuven.be/origene

Most cordial **thanks to 26 personal donators** to the OriGENE Fund, since the announcement of our team's co-organization of the TranSYS symposium!

Your 3.960€ are a heart under the belt of
OriGENE's interdisciplinary researchers



Your generosity opens the future for our projects in translational and personalized prevention research!



Funded by the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 860895.



Ljubljana, Slovenia

Summer SCHOOL



Dates 29/06-03/07/2020 to be confirmed

Program preview: Transferable Skills training in communication & dissemination, gender & diversity; Science & Technology training in study design & protocol development, data generation & technology; workshop “from experiment to clinic”.

Registration will open soon: <https://h2020transys.eu/>



Precision Medicine at the Interface of Translational Research and Systems Medicine (TranSYS)

HOME

CONSORTIUM ▾

PROJECT ▾

DISSEMINATION & EXPLOITATION ▾

COMMUNICATION & OUTREACH ▾

NEWS

CONTACT

Conferences

Mini-symposium

🕒 02/02/2020



Confirmed speakers include: Myke Snyder (Stanford, USA) and Marija Cvijovic (Chalmers, Sweden)

[Read More »](#)

<https://h2020transys.eu/>