

# Hope for clinical collaborations at SciLifeLab

**SciLifeLab, Science for Life Laboratory, is a Swedish research center within molecular biosciences with focus on health and environment. To further strengthen the research environment at the center SciLifeLab regularly recruits young, talented research leaders to become SciLifeLab fellows.**

Each fellow is recruited by one of the center host universities and receives funding from them. One of the newest fellows is Vicent Pelechano, recruited by Karolinska Institutet/SciLifeLab from EMBL, Heidelberg, Germany in 2016.

## High throughput biology approaches

Vicente Pelechano's research focuses on understanding how apparently identical cells respond differently to the same stimulus. He and his colleagues use state of the art genomic technologies to study the regulatory mechanism leading to the appearance of divergent

## SciLifeLab – a national resource

SciLifeLab is Swedish research center within molecular biosciences with focus on health and environment. It is also a national center with the mission to develop, use and provide advanced technologies. The center infrastructure encompasses a multitude of biomolecular technologies and bioinformatics services. National funding makes SciLifeLab's services and expertise available to researchers in all of Sweden.

The center is a joint effort by four Swedish universities (Karolinska Institutet, KTH Royal Institute of Technology, Stockholm University and Uppsala University). Founded in 2010, the center today encompasses more than 1 200 researchers mainly located in and around the two center nodes in Stockholm and Uppsala.

gene expression programs in clonal populations of cells.

“The fellows positions at SciLifeLab are very attractive for high throughput biology approaches, which is what I like to do.” Says Vicent Pelechano.

The group also combines experimental and computational work to develop novel genome-wide techniques to study eukaryotic transcription in budding yeast and mammalian cell lines.

“I am especially interested in drug-tolerant cancer persister cells that, although genetically sensitive to a drug, do not respond to it.” Says Vicent Pelechano. “At SciLifeLab we have the right environment to start clinical collaborations and we are moving into that direction.”

## Expertize from multiple fields available

“It is amazing that we have people from so many universities and so many different backgrounds here at SciLifeLab, that is very prone to collaborations. If I need to use any specific method, I basically knock on the door to my colleague and we have it there, from chrystallography to protein analysis. People are actively helping me to establish myself here and that is something that you don't find in many places.”

“Stockholm is also a really nice city to live in. It is a small capital but still big enough and there are parks just everywhere. I feel very welcome here. Thanks to the fellows program I have some time to attract more funding. Hopefully I will stay here in Sweden for many years.”



Vicent Pelechano

Photo: Susanna Appel