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 SciLifeLab, the center 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 SciLifeLab fellows is Jens Carlsson, who was recruited by Uppsala University/SciLifeLab from Stockholm University, Sweden, in 2015. After finishing his postdoctoral research at the University of California in San Francisco, Jens Carlsson returned to Sweden where he was born.

“I received a start-up grant from a Swedish foundation that gave me the opportunity to build up an independent research group at Stockholm University. I wanted to return to Sweden because family life, with two small children, became very complicated in the US. In Sweden, we are spoiled with generous parental leave and subsidized day care – life is easier here.”

“I was working at the Stockholm node of SciLifeLab when I applied for the fellows position. It is a wonderful place that connected me to the other universities represented at the center in ways that had not happened before. The relatively young community at SciLifeLab creates a high ambition level and the international recruitment has given rise to a great and diverse environment, which I think will benefit research in Sweden for many years to come.”

Looking to recruit more people

Jens Carlsson’s research focuses on the family of G-Protein Coupled Receptors (GPCRs). He uses computer models of these receptors to understand how they work at the atomic level. As GPCRs are important drug targets, Jens and his colleagues also design small molecules that modulate receptor activity.

“Around 30–40% of all drugs target GPCRs so more or less everyone will take one of these at some point in their life.” Jens Carlsson said. “Instead of testing millions of molecules experimentally as they do in the pharmaceutical industry, we can screen them on a supercomputer center over night and identify the most promising candidates at essentially no cost.”

Jens Carlsson’s first PhD student recently graduated and today his group consists of five researchers. He is now looking to recruit more students.

“I just had an interview with a candidate who I hope will be the first in my group to do experimental work. This will be very exciting because it will give me the possibility to quickly test computational predictions experimentally and thereby explore many new ideas.”

SciLifeLab – a national resource

SciLifeLab is a 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.
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Organizers: Alfred H. Merrill, Walter Allen Shaw, Sarah Spiegel & Michael J.O. Wakelam
Feb 26–Mar 2, 2017 | Granlibakken Tahoe | Tahoe City, California | USA

Bile Acid Receptors as Signal Integrators in Liver and Metabolism (C1)
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Rare and Undiagnosed Diseases: Discovery and Models of Precision Therapy (C2)
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**Positions Available**

1. **1000-Talent Plan**

**The Innovative Talents Long Term Program**

This program aims at recruiting world-class scholars under age 55 if in a field of natural sciences, or under 60 in a field of humanities and social sciences as full-time professors at NUDT. Applicants should have acquired doctoral degree(s) and have worked either as professors or at equivalent positions in world-renowned overseas universities or research institutes. Successful applicants should spend at least 3 months per year undertaking research and teaching on NUDT campus for 3 consecutive years after being selected for the Program.

**The Innovative Talents Short Term Program**

This program aims at recruiting world-class scholars under age 55 if in a field of natural sciences, or under 60 in a field of humanities and social sciences as part-time professors at NUDT. Applicants should have acquired doctoral degree(s) and have worked either as professors or at equivalent positions in world-renowned overseas universities or research institutes. Successful applicants should spend at least 3 months per year undertaking research and teaching on NUDT campus for 3 consecutive years after being selected for the Program.

**Foreign Experts Program of 1000-Talent Plan**

This program is designed for world-class scholars of non-Chinese ethnicity under age 65. Applicants should have worked either as professors or at equivalent positions in world-renowned overseas universities or research institutes. Successful applicants should spend at least 3 months per year undertaking research and teaching on NUDT campus for 3 consecutive years after being selected for the Program.

2. **Chang Jiang Scholars Program**

**Distinguished Professors**

Applicants should be under age 45 if in a field of natural sciences, or under 55 in a field of humanities and social sciences. Applicants should have worked either as associate professors (or with above academic titles), or at equivalent positions in world-renowned universities or research institutes.

**Chair Professors**

Applicants should have worked either as professors or at equivalent positions in world-renowned overseas universities or research institutes.

3. **University Distinguished Guest Professors**

Applicants should be academicians of CAS or CAE, or have worked either as professors or at equivalent positions in world-renowned overseas universities or research institutes, and should have outstanding contribution to their domains of specialties or with world recognized achievements. Successful applicants should spend at least 3 months per year undertaking research and teaching on NUDT campus for 3 consecutive years after being selected for the Program.

4. **Elite Young Scholars**

This program is designed for the great cohort of innovative and promising scientific minds under age 40, willing to work at NUDT as full-time faculty. Applicants should have obtained doctoral degrees at world-renowned overseas or domestic universities or research institutes, willing to exert their strength and passion for research excellence and self-fulfillment.

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- Data Assimilation
- Marine Information Engineering
- Underwater Acoustic Engineering
- Oceanic Circulation
- Numerical Modeling of Marine Hydrodynamics
- Aerospace Propulsion Theory and Engineering
- Materials Science and Engineering
- Mechanics
- Statistics
- Atomic and Molecular Physics
- Condensed Matter Physics
- Quantum Communication
- Quantum Information
- Network Science
- Synthetic Biology
- Mechanical Engineering
- Control Science and Engineering
- Instrument Science and Technology
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**Contact Us**

All the position demands are long-term effective. Any further inquiries will be welcomed via emails. Interested applicants are invited to submit documents including a cover letter, a CV, a brief future research plan, 2 recommendation letters, 3 pieces of representative works to our Talent Affairs Office:

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