

Science Innovation Hub



UNIVERSITÉ
DE GENÈVE

INNOVATION

Science Innovation Hub

Julien Levallois, June 2nd 2022



UNIVERSITÉ
DE GENÈVE

FACULTY OF SCIENCE

Missions

- Advertise about innovation and entrepreneurship
 - Encourage and support researchers, staff and students of the Unige in their **entrepreneurship activities** to accelerate their innovative projects and **create impact/value** from academic research to **economy/society**
 - Innoscience award
 - Desirability, Feasability, Viability
 - Straighten collaborations with established companies
 - Job opportunities
- 

Essential items

For 6 months renewable
Benches for chemical work
Private and shared offices
Meeting room

Office & Lab spaces

Preferred access to
infrastructure

LTA

Technology platforms
Unige labs/groups

Consulting / Coaching

Ecosystem & Network

Unitec (TTO)
Unige Innovation

OPI
Fongit / Geneus
Alplct
BioAlps
CH Universities

Direct access to mentors –
Fongit, Innosuisse
Entrepreneurs

Venturelab
Innosuisse
SME
ESA BIC
IPI

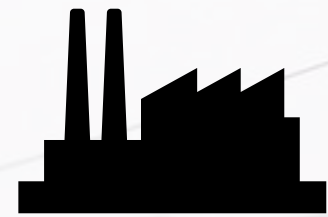
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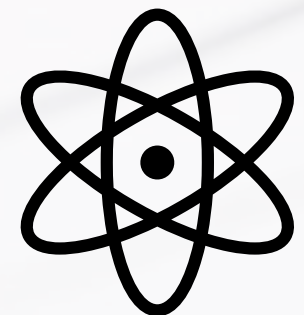
11 supported projects (Prix Innosciences), **32+** supported entrepreneurs



12+ grants – Innosuisse, Innogap, Bridge, ...



2 new companies formed (+2 in creation)



Energy, Physics (+Medicine), Biology, Pharma, ...



20+ events

Examples of projects



The properties of light were used for the most important technological breakthroughs, like laser, optical fiber, or next-generation sequencing. FluoSphera uses the precision of fluorescent light to simultaneously measure multiple biological processes in multiple human cell types in co-culture. Our multi-culture assays mimic the communications between human organs, for a reliable prediction of the effects of compounds on human health, unlike current mono-culture assays. – Prof. A. Roux



The Thermal Energy System Simulation Assistant (TESSA) is a software for early-stage feasibility and design studies for the decarbonisation of thermal energy in buildings, with a particular focus on the planning of district heating and cooling networks (DHC). – Prof. M. Patel



It is designed for the analysis and fitting of optical spectra. The approach is model based, meaning that each experiment and material or composition of materials is captured in an analytical mathematical model, the parameters of those models are fittable using a unique analytical routine. – Dr. A. Kuzmenko

Examples of projects



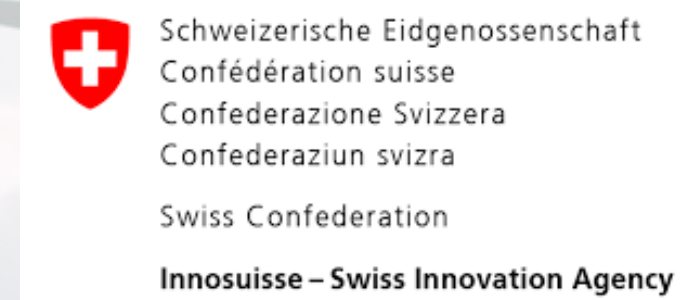
The goal is to reduce the amount of fungicide needed, while maintaining farm protection from the risk of infection. Agrolase uses laser diffraction and digital holography to detect spores of pathogens in the air in real time, such as mildew and powdery mildew in vines . – Prof. J.-P. Wolf



The team propose a new generation of PET scanners based on a solid-state detectors (SSD) which are expected to allow for ultra-high resolution molecular imaging. It will also improve significantly the ability for early diagnosis while reducing the radiation dose to the patient. – Prof. G. Iacobucci

Financial resources

- INNOSUISSE, without implementation partner
 - Average grant CHF 400K
 - Average approval rate 40%
- BRIDGE – Innosuisse & SNF
 - CHF 130K
- INNOGAP – Unitec, Unige
 - CHF 30K
- FONGIT Innovation Fund
 - CHF 50K



BRIDGE



**F O N
G I T**

Promote entrepreneurship and innovation



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INNOVATION

- Several actors: SIH, Pôle d’Innovation Numérique, GSEM, Faculty of medicine, SDG Solution Space
- LTA, Unitec
- Interfaculty Entrepreneurship courses GSEM en BA et MA – **new Ass. Professor in September**
- Better applications to Bridge, Innosuisse, etc.
- Summer schools, ...
- Network in Geneva, in Switzerland, and worldwide!

SIH x GAIN Impact demo day

*When early-stage
UNIGE startups meet
their first partners*

*Tuesday
June 14th 2022
5.45 to 8 pm*

*Science II
Ernest-Ansermet 30
1205 Geneva*



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Geneva
Angel
Investor
Network



Science
Innovation
Hub