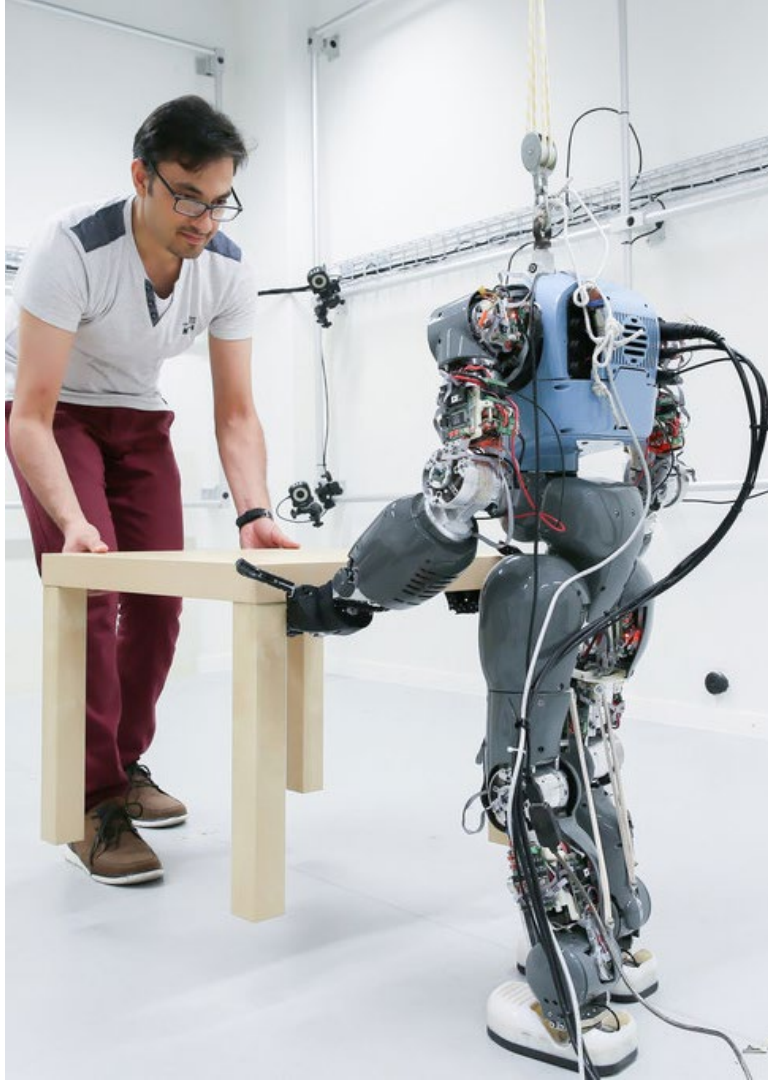


Research Office

Associated Vice-
Presidency for
Research

2021



SUMMARY

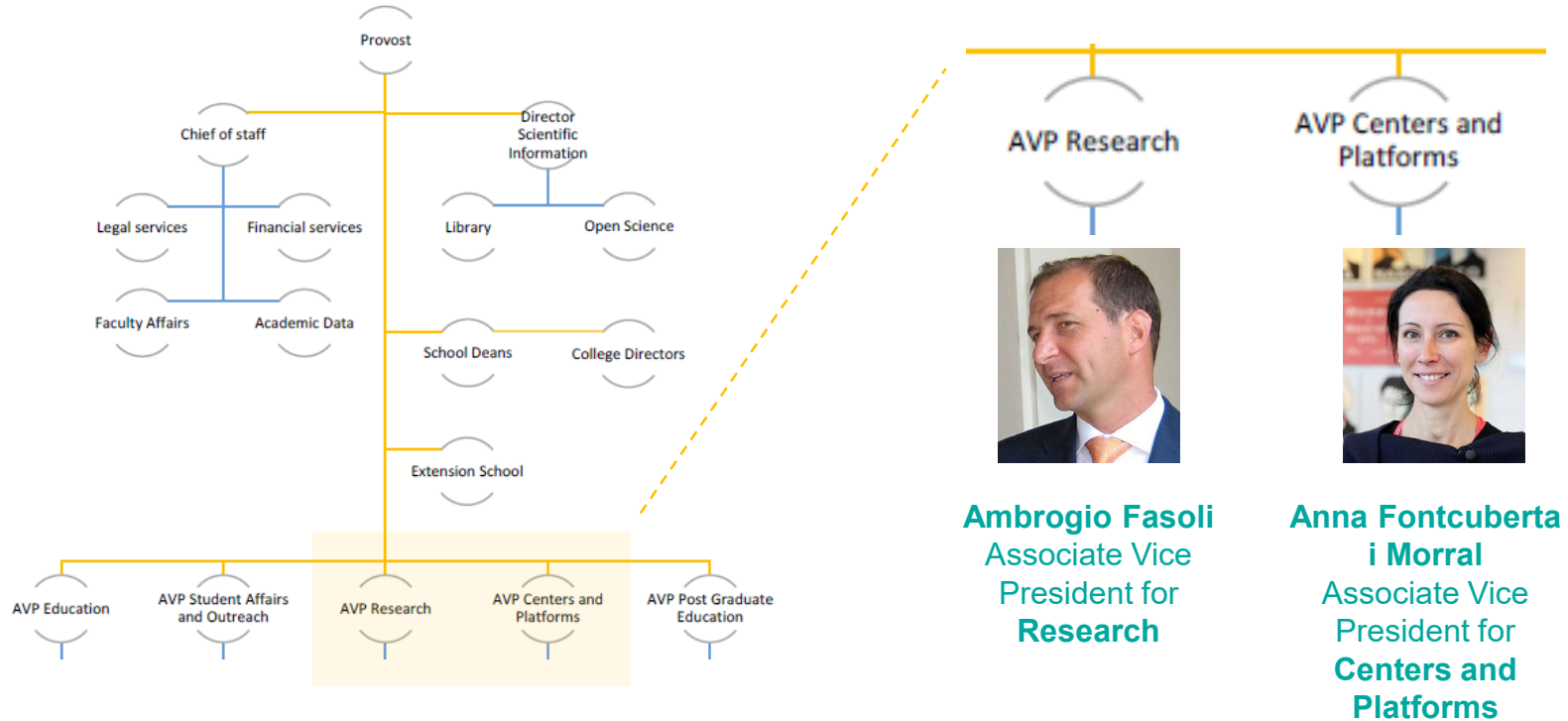
Introduction

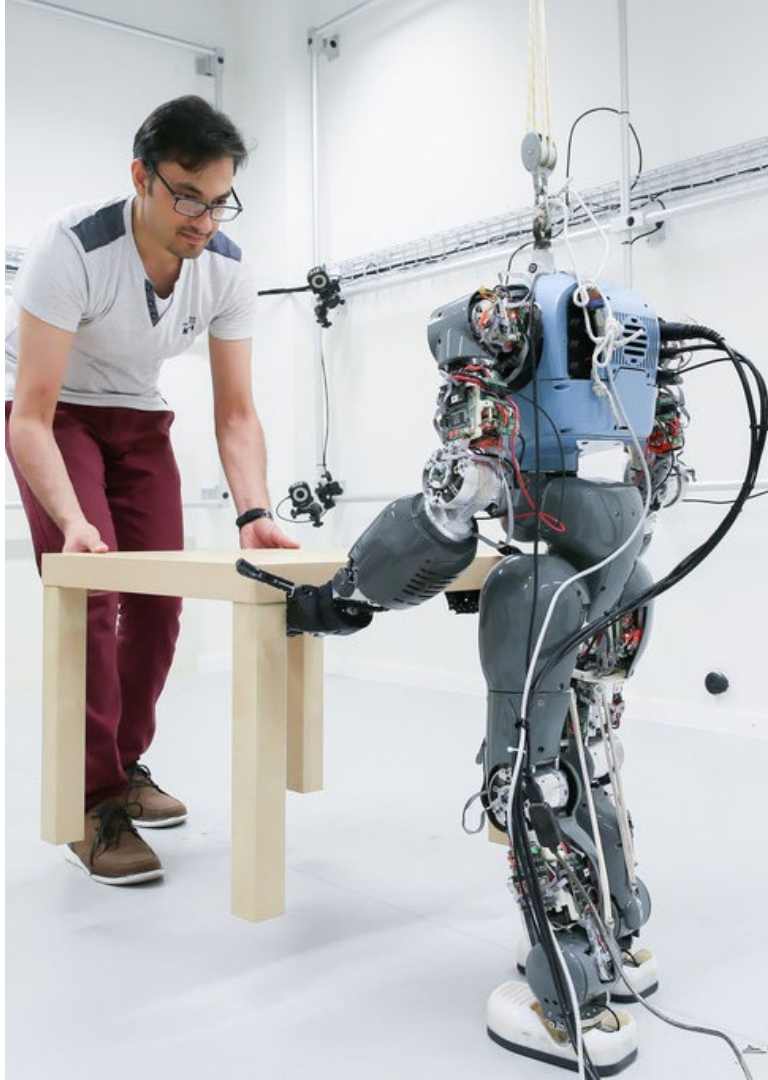
Aim and general objectives

Our Services

What's new?

Vice Presidency for Academic Affairs (VPA)





SUMMARY

Introduction

Aim and general objectives

Our Services

What's new?



**To support you,
researchers and
inventors**

Our aim and objectives

- **Inform** the EPFL research community on **funding opportunities**
- Provides **support** for
 - **application processes & contracting** of public and not-for-profit funding
 - ethical issues in research projects and **ethical approval processes**
 - **management** of large research and mobility projects





Find funding & prepare your proposal, manage your project, launch your own research and mobility funding programme!

Our services in a nutshell

Some key figures

Research Office



A photograph of a stack of smooth, light-colored stones balanced on a rocky beach. The stack is composed of approximately 10 stones, with a small, dark, irregularly shaped stone on top. The background shows a blurred ocean with white foam from breaking waves. The foreground is filled with various sized, smooth, light-colored stones.

Organizational Chart

Research and Mobility Funding Team

International governmental & not-for-profit funding



Kristen
Irwin

European Funding



Pascale
Menu

National & not-for-profit funding



Mariachiara
Verde

Head ReO



Caroline
Vandevyver

Ethics Affairs



Esther van
der Velde

Programme & Project
Management Services

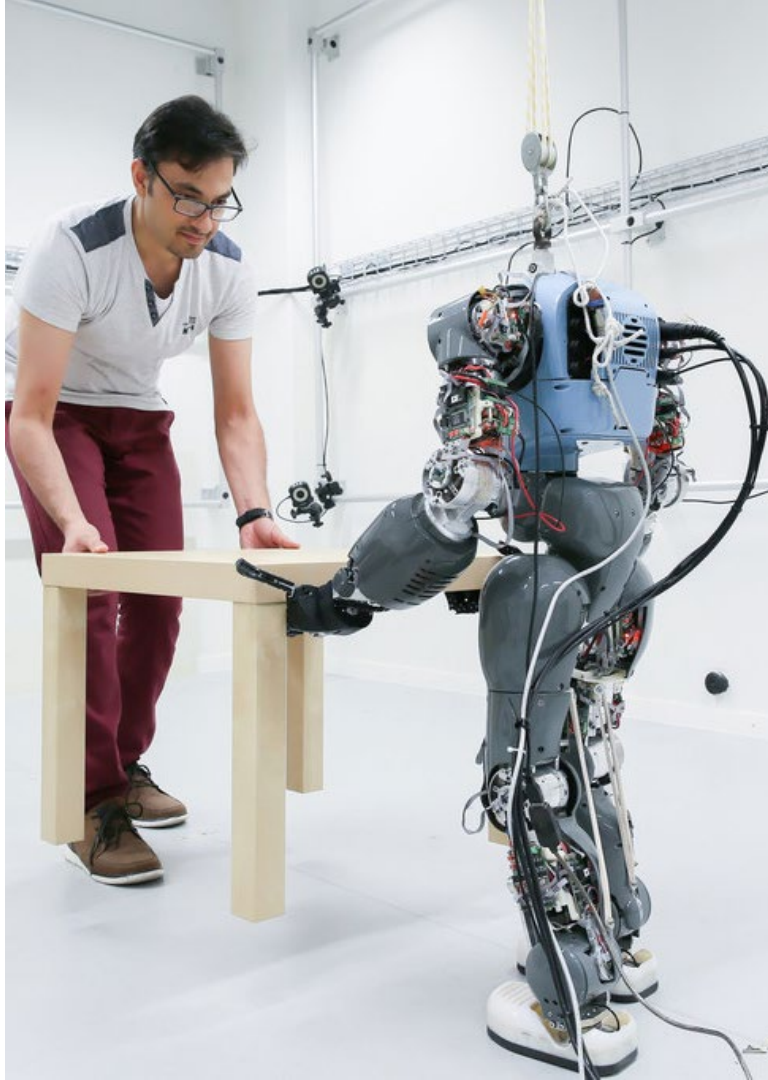


Aurélie
Gfeller

Administration & IT Systems



Carine
Beltrami



SUMMARY

Introduction

Aim and general objectives

Our Services

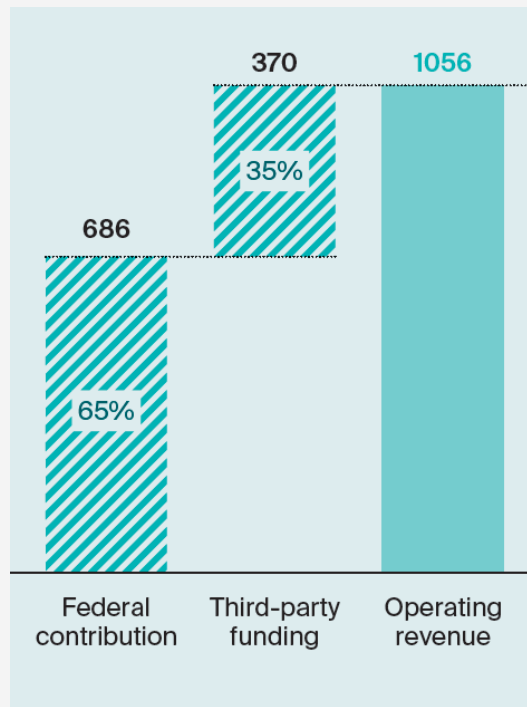
What's new?

Mobility and Research Funding Unit

■ 3D model of dendritic spines (purple) making synapses with axons containing vesicles (yellow). Background shows electron microscope image of brain tissue. Credit: Graham Knott (EPFL)

Third party funding:

How important is it at EPFL?



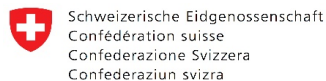
Third-party funds overall:

- In 2019, 35% of EPFL's operating revenue came from third-party funds, amounting to CHF **370M**.

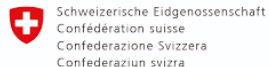
Research contributions, mandates and scientific services:

- In the same year, 26% of EPFL's operating revenue came from research funding, mandates, and scientific services, amounting to CHF **271M**.

Our Portfolio...



armasuisse Science and Technology
Cyber-Defence Campus



Swiss Confederation
Innosuisse – Swiss Innovation Agency



HASLERSTIFTUNG



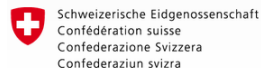
VELUX
STIFTUNG

WISSENSCHAFT.
BEWEGEN
GEBERT RUF STIFTUNG



Ministry of
Education
and Culture

fondation
BOTNAR



Office fédéral de l'énergie OFEN



krebsliga schweiz
ligue suisse contre le cancer
lega svizzera contro il cancro



The
Branco Weiss
Fellowship
Society in Science



fondation
Pierre MERCIER
pour la science



Research & Mobility Funding Unit

European funding



National & not-for-profit funding



International governmental & not-for-profit funding



INT – International Governmental & non-for-profit funding



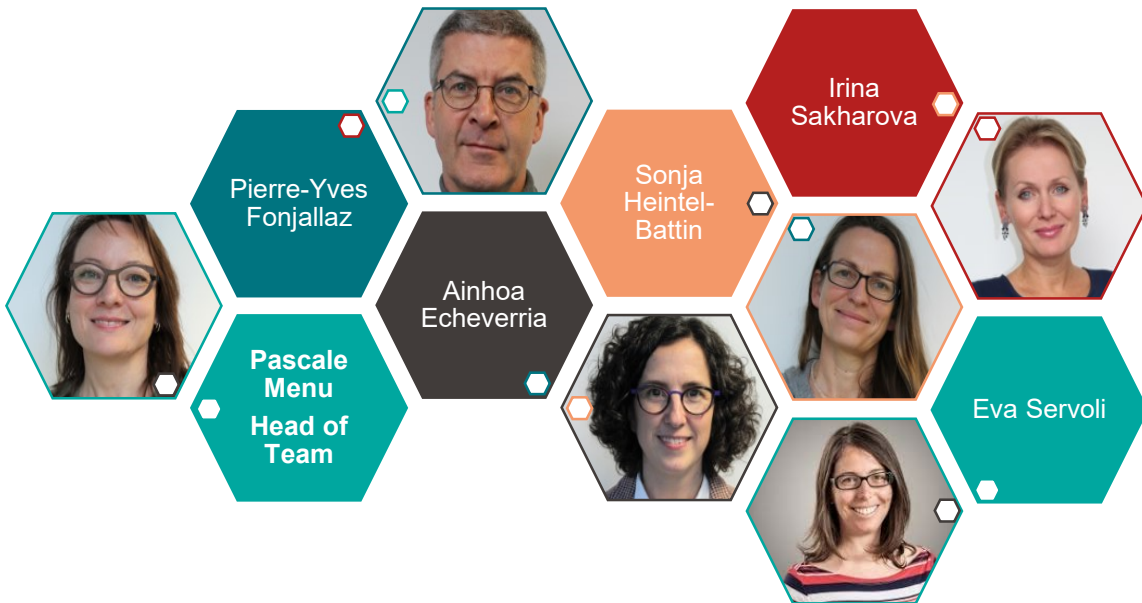
- US PHS and Federal Office grants
- International Governmental grants
- Non-for-profit funding (US and CA)



and many more



- HE ERC & Marie Skłodowska-Curie
- HE Collaborative initiatives
- FET Flagships
- EU Partnerships
- ESA



European Institute of
Innovation & Technology

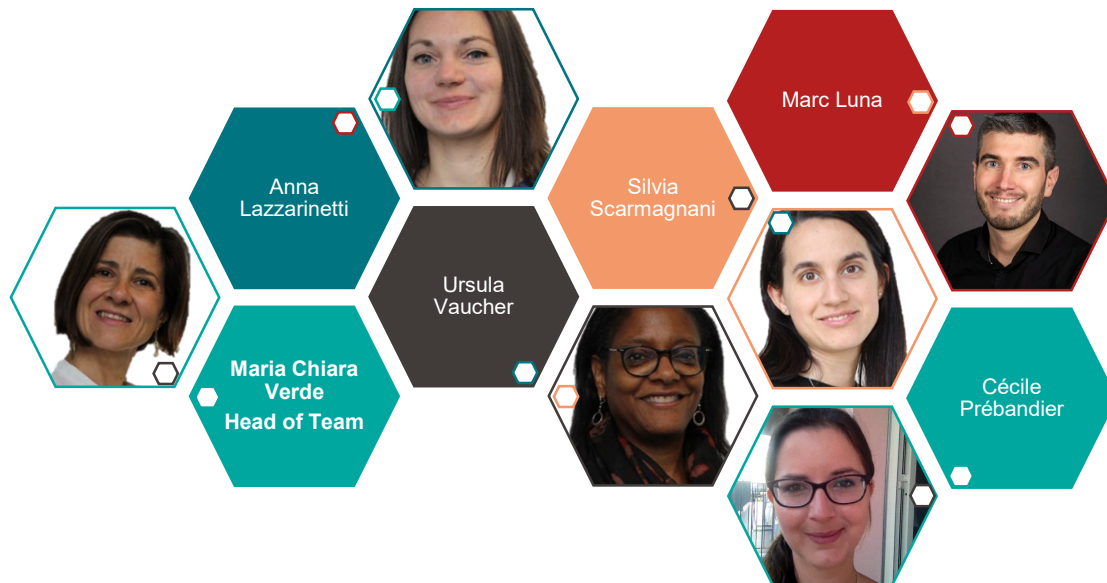


European Space Agency

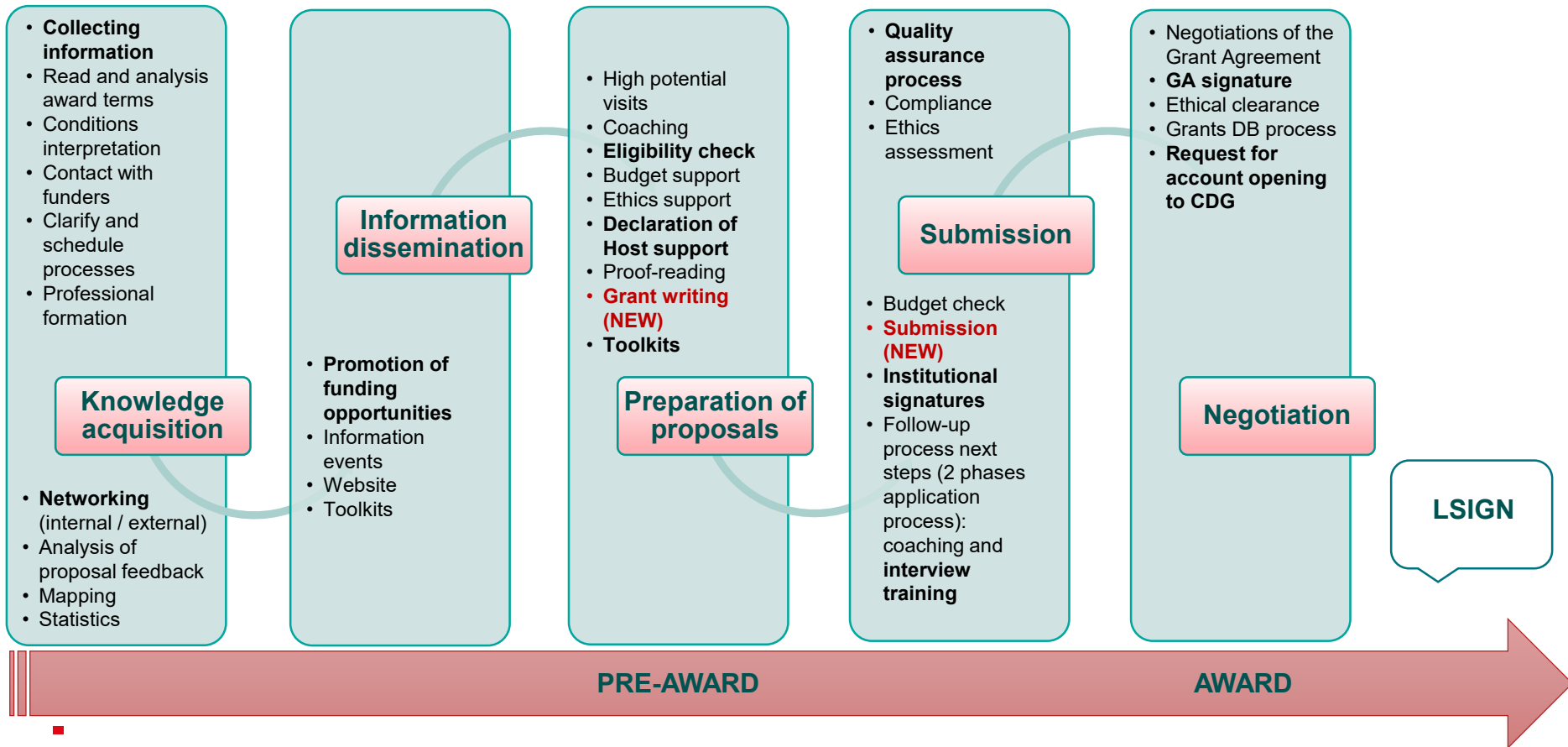
and many more



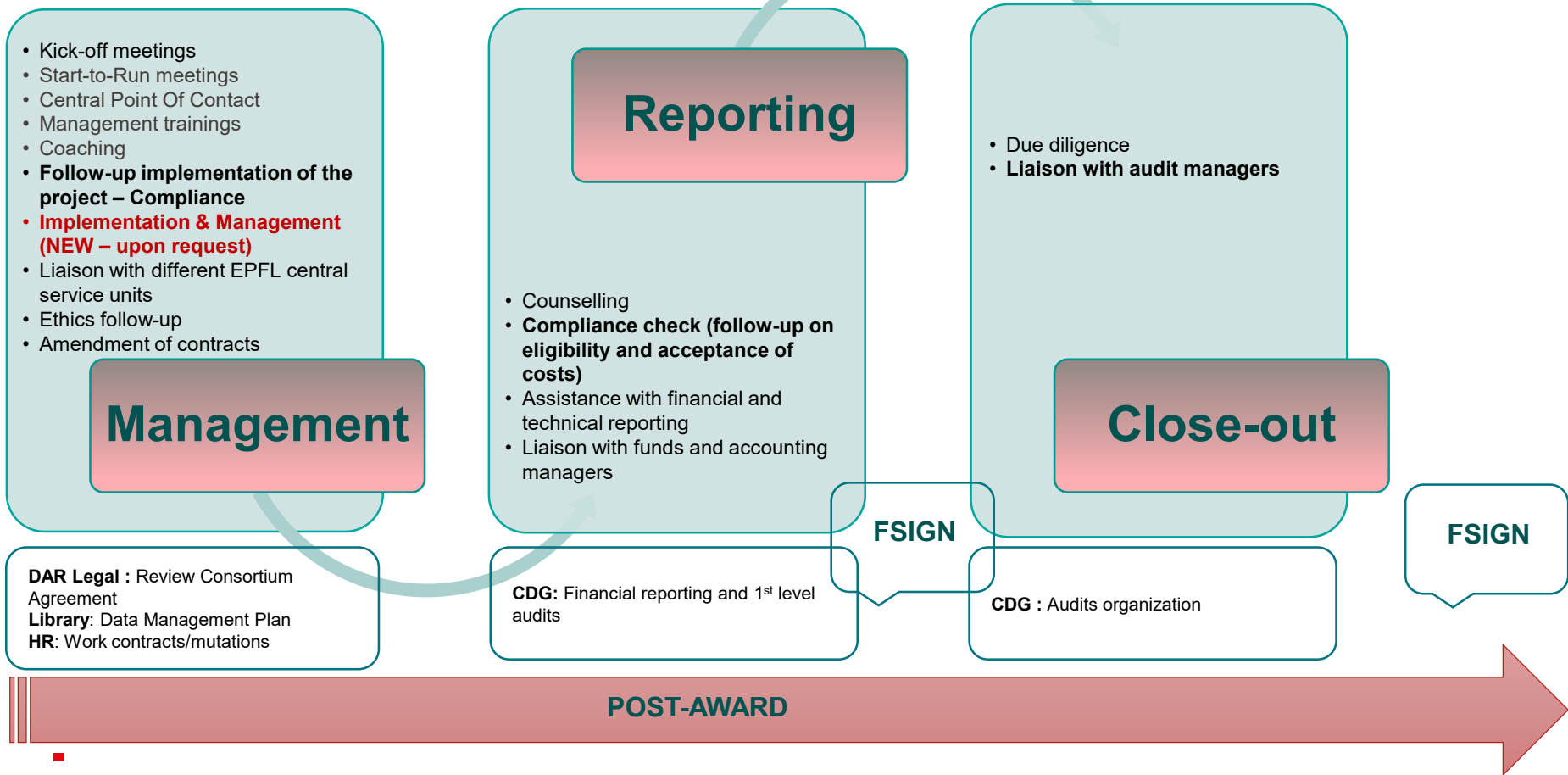
- SNSF
- Innosuisse
- Federal Offices
- Foundations



Project life cycle – Tasks and Services



Project life cycle – Tasks and Services





Administration & IT Systems Unit

Administration & IT Systems Unit

**Grant & Contract
management**



**Contractual
Signatures**



**Management of IT
Systems**



AIT – Administration & IT Systems



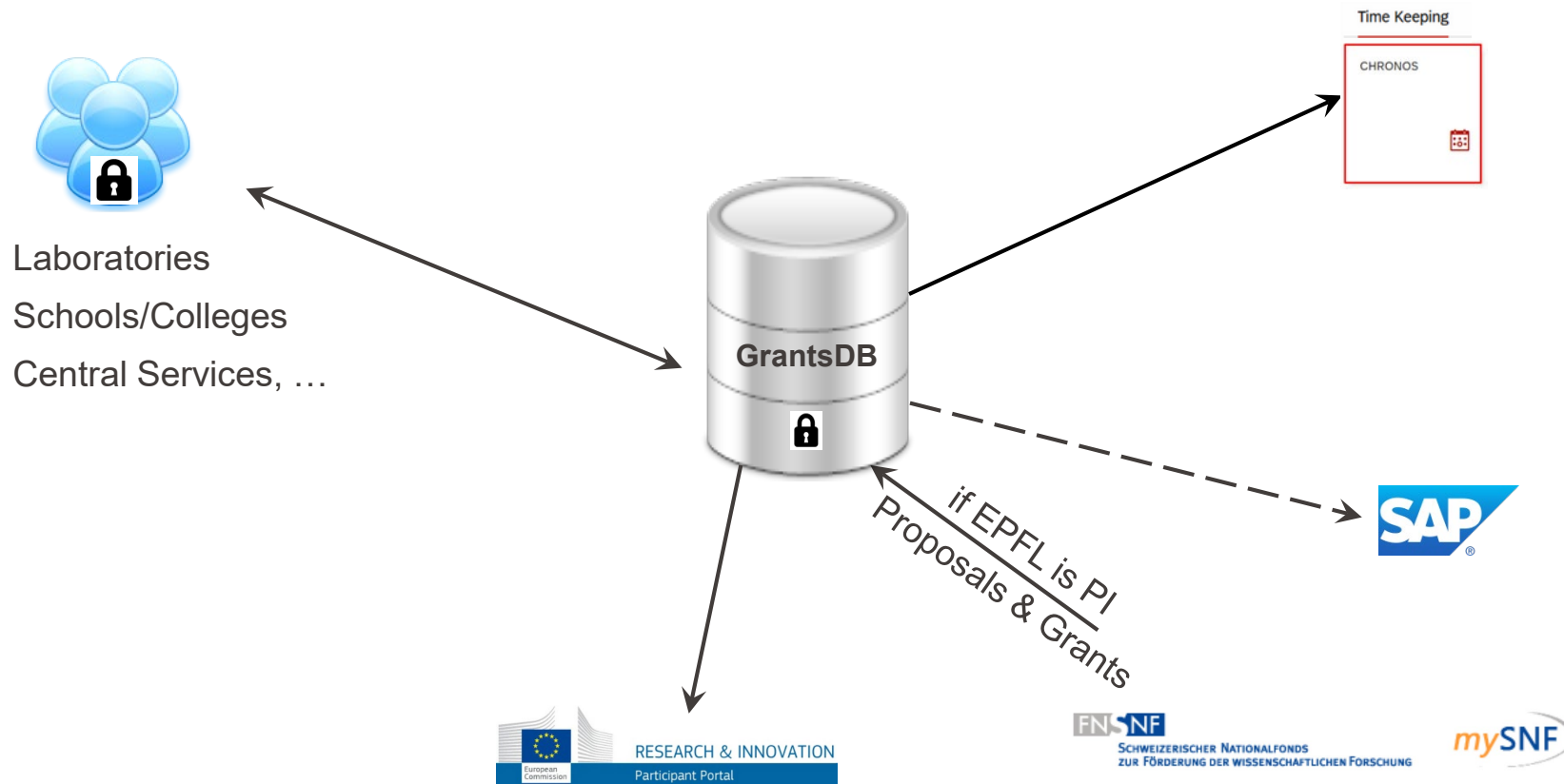
Time Keeping

CHRONOS

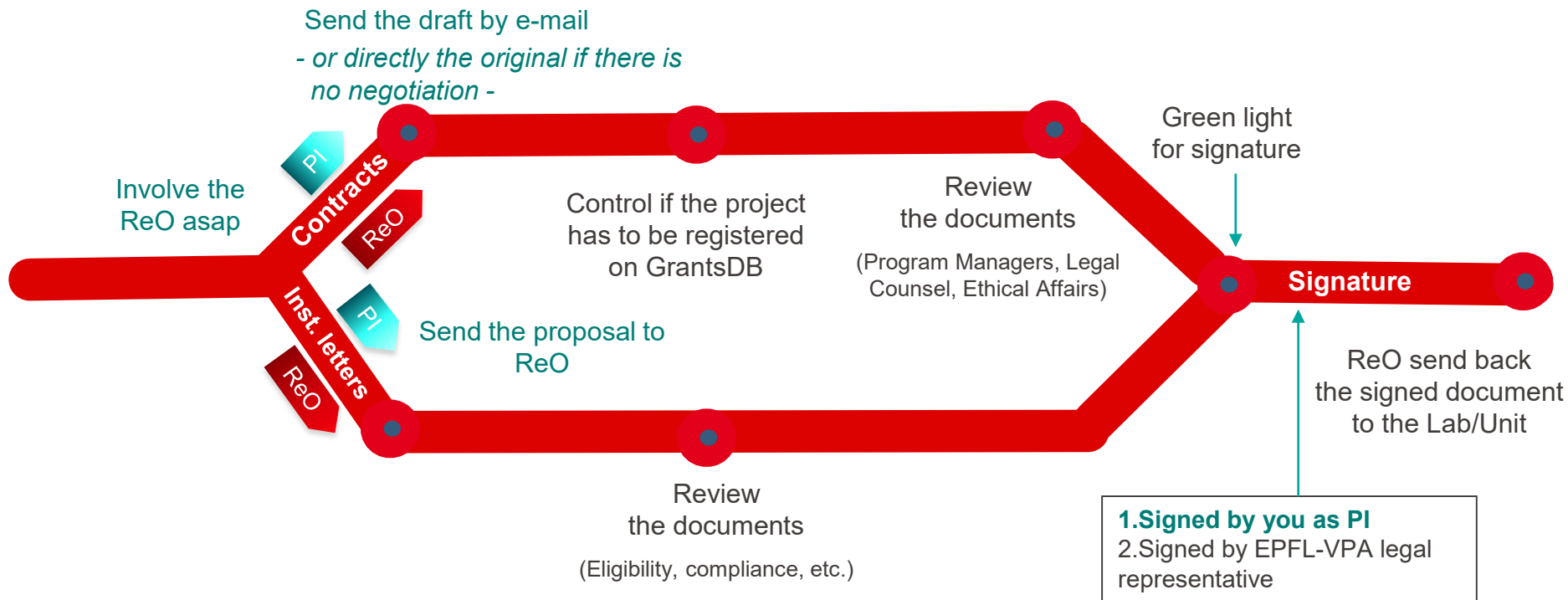


and many more

AIT – Grant & Contract management



AIT – Contractual Signatures

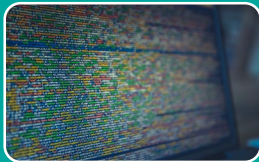


For all documents that require an official signature:

E-Mail: research@epfl.ch

Mail: Research Office, Station 7, 1015 Lausanne

AIT – Management of IT Systems



GrantsDB

- GrantsDB is the EPFL internal database for research projects and for scientific equipment.



ServiceNow (SNOW)

- research@epfl.ch
- Project management module (**under development**)



Chronos

- Chronos enables timekeeping for research projects which need to justify the eligible personnel costs to the funding bodies.



MoveIN (**NEW**)

- Application platform (front and back office)
- 3 platforms: research, ethics and awards



Ethics Affairs Unit

Un exosquelette développé à l'EPFL permet à des personnes atteintes de paraplegie de se tenir debout, de marcher et même de monter des escaliers. Mohamed Bouri, chef de groupe au LSRO et superviseur du projet. Testé par Silke Pan, le 6 octobre 2016
EPFL - Alain Herzog

Ethics Affairs Unit

Compliance



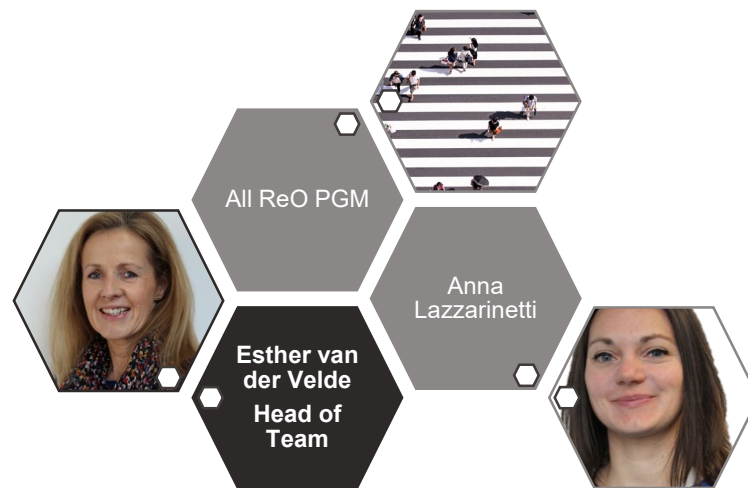
Awareness



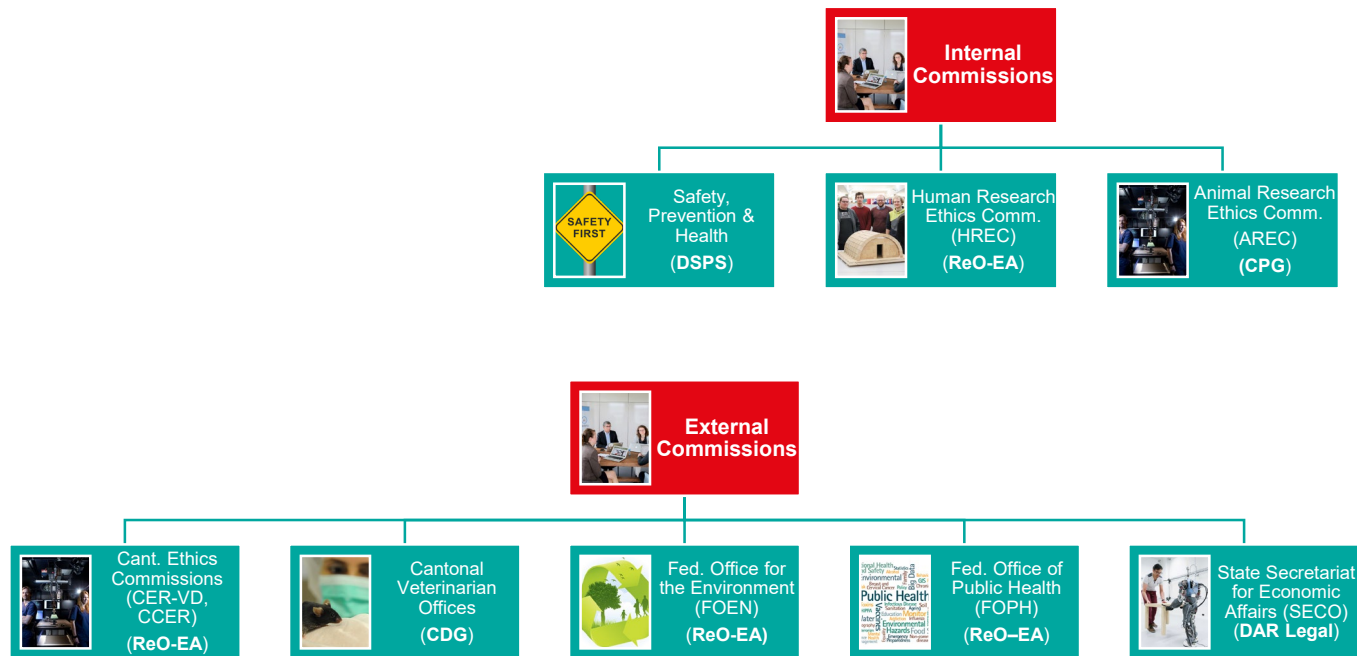
Clearance



EA – Ethical issues – A broad concept



Ethics Institutional Review



Outcome: Ethical authorizations

EPFL's Institutional Review Boards (IRB)



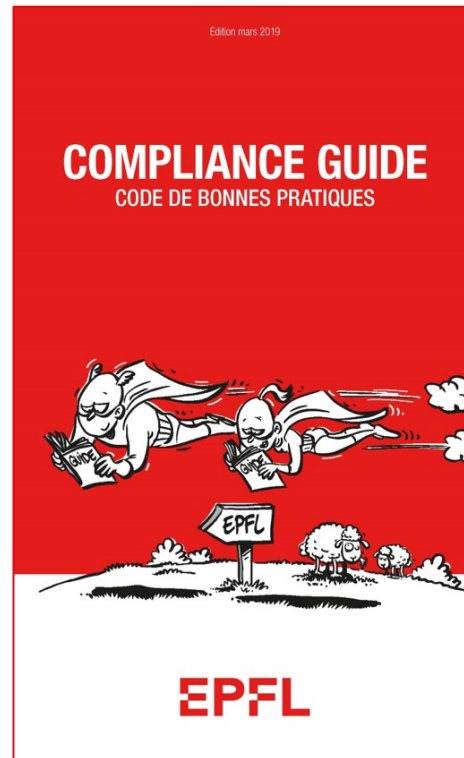
EPFL Human Research Ethics Committee (HREC)



EPFL Animal Research Ethics Committee (AREC)



Registration: enac.epfl.ch/outreach/events





Programme & Project Management Unit

Pour traiter les problèmes d'ulcères plantaires chez les personnes diabétiques, le Laboratoire d'actionneurs intégrés de l'EPFL a développé une semelle équipée de valves qui gèrent électroniquement la pression exercée sous le pied. STI , le 29 février 2016
EPFL - Alain Herzog



**Aurélie
Gfeller**

Head of team

100% FTE



**Patricia
Marti-Rochat**

Project
Manager
60% FTE



**Chiara
Ciriminna**

Project
Manager
80% FTE



**Lucie
Soulard**

Project
Manager
80% FTE



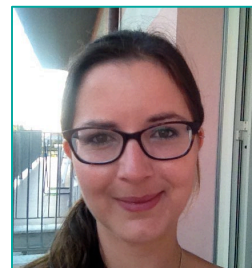
**Chloé
Bayon**

Project
Manager
100% FTE



**Veronika
Földvary Licina**

Project
Manager
100% FTE



**Cécile
Prébandier**

Administrative
Assistant
30% FTE

Research & Mobility programmes

P2MS successfully manages a large portfolio of **internal, Swiss, and international funding programmes** – from the definition of the programme objectives through the implementation of calls for proposals to the promotion of the beneficiaries' achievements, financial management and reporting

Awards

P2MS runs the **EPFL internal research awards** and coordinates the applications for major external **Swiss and international research awards**



Privileged access to a first-rate* project manager benefiting from the knowledge and expertise of the Research Office.



The project manager is part of a team striving for excellence.

His/her work can easily be taken over by another staff member when s/he is away.



The project manager works in close collaboration with other central services at EPFL:

Financial Controlling, Human Resources, Philanthropy, Technology Transfer Office and the Library

*The Research Office offers full-time employment contracts (across a portfolio of projects), allowing for the hire and retention of highly qualified individuals.

The background of the slide is a vibrant, abstract digital illustration. It features several large, semi-transparent spheres in shades of blue and orange. Inside these spheres, there are intricate patterns of glowing dots and lines, resembling molecular structures or data networks. Overlaid on these spheres are numerous thin, glowing lines in various colors (blue, green, yellow, orange) that crisscross the frame, creating a sense of dynamic movement and connectivity. The overall aesthetic is futuristic and high-tech.

Implementation of Research & Mobility programmes

Fellowship programmes

CYD Fellowships

EPFLinnovators

EPFLglobaLeaders

EuroTechPostdoc

EPFL mobility programmes

Firmenich EPFL-
Stanford exchange
programme

EPFL research programmes

EPFL Open Science
Fund

EPFL
Interdisciplinary Seed
Fund

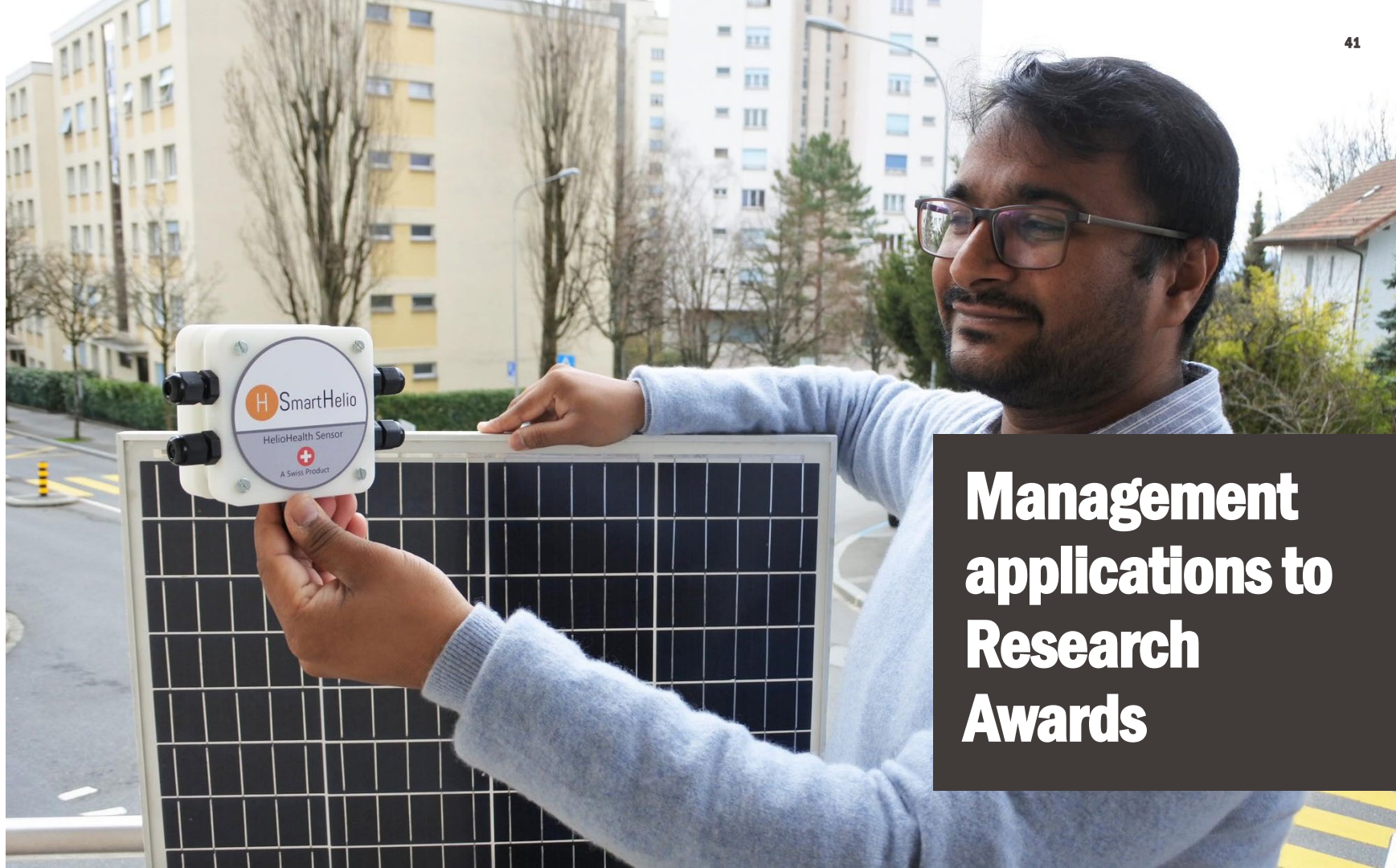
Gaznat-EPFL
Research Fund

Science and
Technology for
Humanitarian Action
Challenges

Swiss and international research programmes

Fondation Bertarelli
Catalyst Fund

Excellence in Africa
initiative



**Management
applications to
Research
Awards**

**EPFL
internal
research
awards**

Asea Brown Boveri Award (PhD)

EPFL Dimitris N. Chorafas Foundation Award (PhD)

EPFL Doctorate Award (PhD)

Gilbert Hausmann Award (PhD)

IBM Research Award (PhD)

Professor René Wasserman Award (PhD and postdoc)

University Latsis Prize (postdoc and established researcher)

Ville de Lausanne Award (PhD)

Zeno Karl Schindler/EPFL Award (postdoc)

**Swiss and
international
research
awards**

Balzan Prize

Blue Planet Prize

Dan David Prize

Honda Prize

Japan Prize

Kavli Prizes

LUI Che Woo Prize

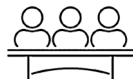
Marcel Benoist Prize, etc.

non-exhaustive list



FONDATION LATSIS
Internationale

The International Latsis Foundation
grants **CHF 40'000.-**
for the organization of a **scientific symposium**



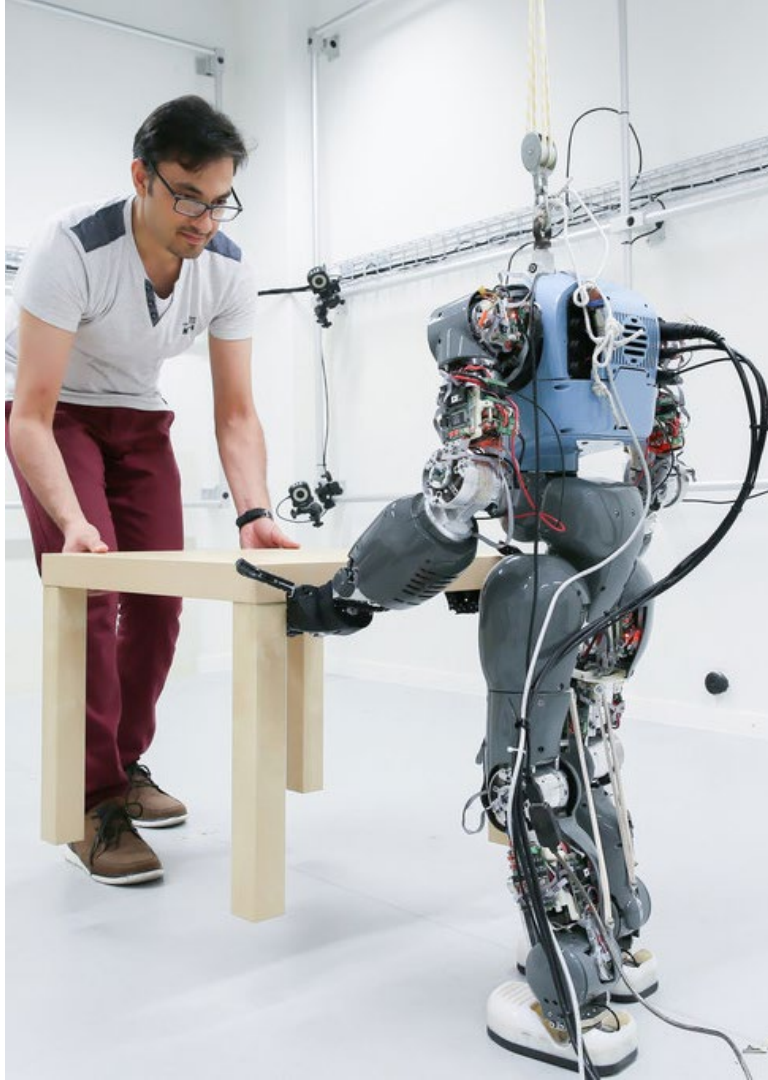
Proposals are
assessed by the
Research Commission



Scientific excellence
Visibility
Possible impact of the event



EPFL head of unit
or a group of heads



SUMMARY

Introduction

Aim and general objectives

Our Services

What's new?



What's new?

- **Grant Officers – grant writing services**
- « EPFLLeaders4Impact » – new post-doctoral fellowship programme
- Project « Communications »
 - Faculty meetings
 - « Social media »

Find funding & prepare your proposal ...Grant Officers at your service for proposal preparation!



Proposal
preparation

Submission



ReO staff can **advise** on suitable funding schemes, help **develop the proposal** and define the project management, dissemination, communication and exploitation plans that create a winning application.

Already have some ideas in the pipeline? No worries, the **Research Office will support and advise** you! Please book a slot for a first discussion with our Grant Officers [here](#)!



REO-led proposal writing course

→ the *WHY*

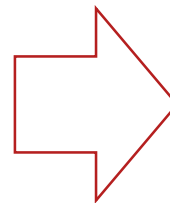
Critical nature of proposal writing skills not only in academia but also in industry

Students may be underprepared for the *reality* of a research career post-PhD: finding the money becomes your responsibility!

Academic Writing course offered by the Language Center focuses on paper writing

Burden of grant writing instruction lies with professors

More and more funding programs aimed at PhDs



Course aimed at PhD students and early Postdocs to give guidance on the **fundamentals of proposal writing.**

REO-led proposal writing course

→ the *HOW*

Course booklet

Lecturer: Caroline Vandevyver, MER

Language: English

Credits: 1

Hours: 28 (14 lecture, 14 practical work)

Course material: book; Past successful (and unsuccessful) proposals

Summary: This course will give PhD students and early Postdocs guidance on the fundamentals of proposal writing as well as practical experience in composing and reviewing proposals.

Keywords: Proposal writing, grant writing, academic writing, fellowship

Assessment methods: Writing assignment after each lecture; Exam is preparing a ready-to-submit proposal for a fellowship or grant

External contributors

Presentation by library: Presenting your published/unpublished work, preparing a DMP

Presentation by CAPE: Preparing for your fellowship/grant interview

Expert visit: Professors who serve on or chair grant review panels

Content

Week 1 – Introduction to research funding landscape (+ mock review)

Week 2 – CV, significance / impact statements, objectives / aims, titles

Week 3 – Research plan, career plan

Week 4 – Budget, timelines, anonymization, literature cited + library presentation

Week 5 – Mock review panel: review your peers' proposals

Week 6 – Expert visit: professors serving on review panels

Week 7 – CAPE presentation + closing



What's new?

- Grant Officers – grant writing services
- « **EPFLLeaders4Impact** » – new post-doctoral fellowship programme
- Project « Communications »
 - Faculty meetings
 - « Social media »



EPFLLeaders4impact

A new **postdoctoral** fellowship program for **sustainable entrepreneurial impact**



- The transition towards a **sustainable society** requires not only new knowledge and technology
- ...but also **responsible scientific leaders** to envision and communicate all-encompassing solutions.
- Hence, a new fellowship programme fostering the **sustainable entrepreneurial capacity** of **postdoctoral** researchers

Key features



40-120

fellows



2

calls



€ 4.4 M

Cofunding of postdoc salaries



12, 18, 24 or 36 months
depending on the field of research



MSCA mobility rule

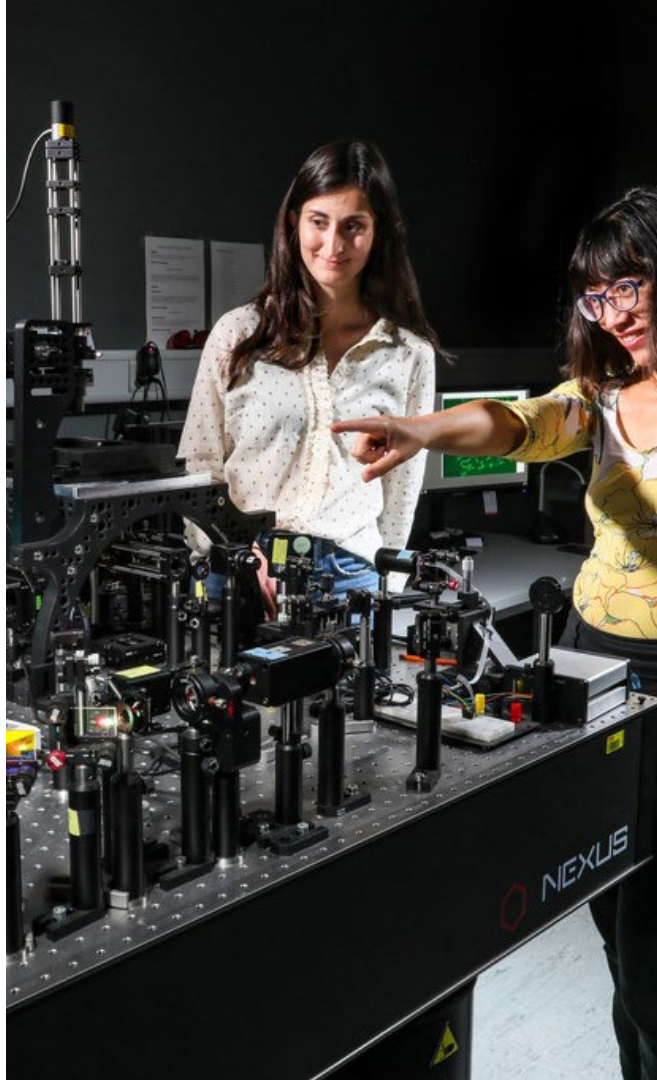


Intersectoral collaboration

Pillar 1: career development

A programme designed to equip future entrepreneurs with the **required skills** for **sustainable impact**:

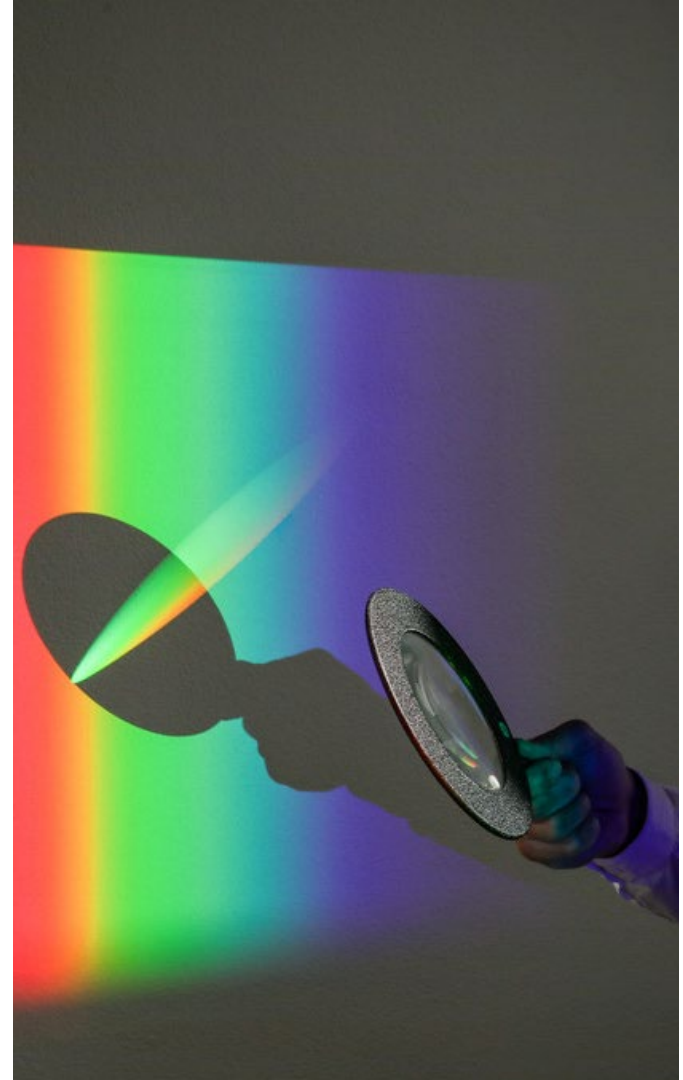
- scientific training in the lab
- innovation and entrepreneurship courses
- sustainability and responsibility training modules
- transferrable skills courses



Pillar 2: business development

A programme designed to foster **new solutions** to **sustainability challenges**:

- collaboration with the **non-academic sector**
- embedding of the fellows in the **EPFL entrepreneurial ecosystem**
 - connections to successful entrepreneurs
 - connections to start-ups/established companies and organisations involved in sustainability topics



Outcome



- **Career development:** about **80** promising **researchers-entrepreneurs** equipped with critical knowledge and skills
- **Business acceleration:**
 - about **8 to 15 successful tech transfers** through licensing to an **existing company / organization**
 - about **5 to 10 successful tech transfers** through **start-up creation**



What's new?

- Grant Officers – grant writing services
- « EPFLLeaders4Impact » – new post-doctoral fellowship programme
- **Project « Communications »**
 - Faculty meetings
 - « Social media »



A need to
communicate

Four core objectives



Promote EPFL research excellence for beneficiaries of programmes for which ReO gives support



Promote programmes for which ReO has a role of manager



Manage the communities of PhDs and Postdocs who are beneficiaries of programmes for which ReO gives support



Information sharing



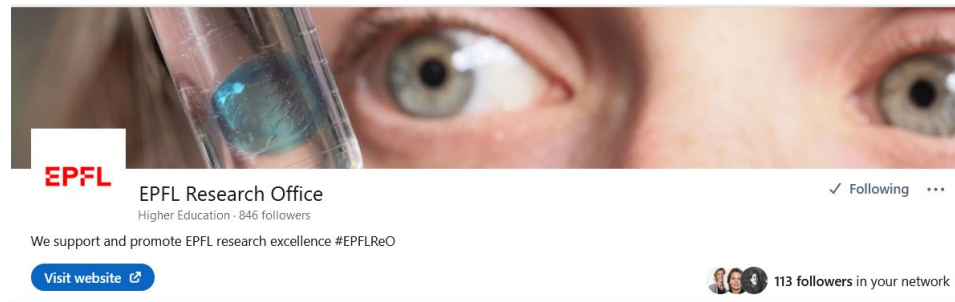
- 3 selected social media: Twitter, LinkedIn & YouTube as a platform



Twitter account: [@EPFL_ReO](https://twitter.com/EPFL_ReO)



LinkedIn page: [EPFL Research Office](https://www.linkedin.com/company/epfl-research-office/)





ReO-EU

EPFL Research Office @EPFL_ReO · Nov 11
Congratulations to @SylvieRoke Auke Jipseert @BIOROB_EPFL and Alexis Berne for obtaining ERC Synergy grants! We're excited about these ambitious research avenues.

#ERC5G #EUFunded @epfInAC @EPFL_Engineering @ERC_Research

Martin Vetterli @MartinVetterli · Nov 7

My warm congratulations to @SylvieRoke (@EPFL_Engineering), Alexis Berne (@epfInAC) and Auke Jipseert (@EPFL_Engineering) for being amongst the 34 groups to receive a highly coveted @ERC_Research Synergy Grant this year! #ERC5G #EUFunded #EPFL twitter.com/EU_Commission/...



3 12

ReO-INT

EPFL Research Office @EPFL_ReO · Jun 2
Congratulations to Davide Martino Coda and Adam Gosztolai for their recently awarded @HFSP fellowships, and best of luck on their research projects launching this week! <https://www.hfsp.org/awardees/newly->

#ifscience

@epfSV @Brainmind_EPFL @BIOROB_EPFL @GraeffIohannes @ramdya

HFSP @HFSP · Mar 26

Congratulations to the winners of the 2020 HFSP Research Grants and Fellowships! The lists of new awardees and HFSP press releases can be found at bit.ly/2QMdUae



1 5

ReO-NAT&NFP

EPFL Research Office @EPFL_ReO · Jun 3
For #YoungResearchers interested in moving their research outside the lab, the summer BRIDGE Proof of Concept Call is open, but the deadline is coming up soon: researchers can apply until 15 June 2020, 17h00. Find out more: bridge.ch/en/proof-of-co-
#BRIDGE #ProofOfConcept



BRIDGE Programme (SNSF / Innosuisse) and 4 others

9 15

ReO-P2MS

EPFL Research Office @EPFL_ReO · May 15
Congratulations to Jaume Bonet, member of the #EPFLFellows community, for his participation in the publication in Science 🌟🌟 and of course congrats to @befcorreia and colleagues!
Find out more:



De novo protein design enables the precise induction...
To induce strong and targeted neutralizing antibody (nAb) responses against vaccine targets, one strategy...
science.sciencemag.org

2 9 22




ReO-EU

EPFL Research Office
867 followers
4mo • 🌐

Congratulations to Prof. Lyesse Laloui for being awarded an ERC Proof of Concept Grant to bring his research from lab to market!

Find out more: <https://lnkd.in/dTlXcrP>

#ERCPoC #EUfunded European Research Council



Lyesse Laloui awarded a prestigious ERC Proof of Concept Grant
actu.epfl.ch

👍 55 • 1 Comment

ReO-INT

EPFL Research Office
183 followers
2w • 🌐

📄 Grant Writing Basics: 3 Tips for Crafting Need Statements.
Provided by Grants.gov:
<https://lnkd.in/gSR2H4W6>
#GrantTips #GrantWriting #LearnGrants



👍 5

ReO-NAT&NFP

EPFL Research Office
867 followers
2mo • 🌐

Congratulations to [Anna Fontcuberta-Morrall](#), new president of the Specialised Committee on International Cooperation reporting to the National Research Council of the [SNSF Swiss National Science Foundation](#) and to [Annalisa Buffa](#), new member of the Programmes division of the National Research Council of the SNSF.

<https://lnkd.in/de4kSKj>

👍 102 • 7 Comments

ReO-P2MS

EPFL Research Office
867 followers
4mo • 🌐

🏆 Congratulations to Zuowen WANG, Dina Mahmoud & Dr. Dimitri Percia David for being awarded the #CYDFellowships which target the next generation of research leaders in #cyberdefence. ...see more

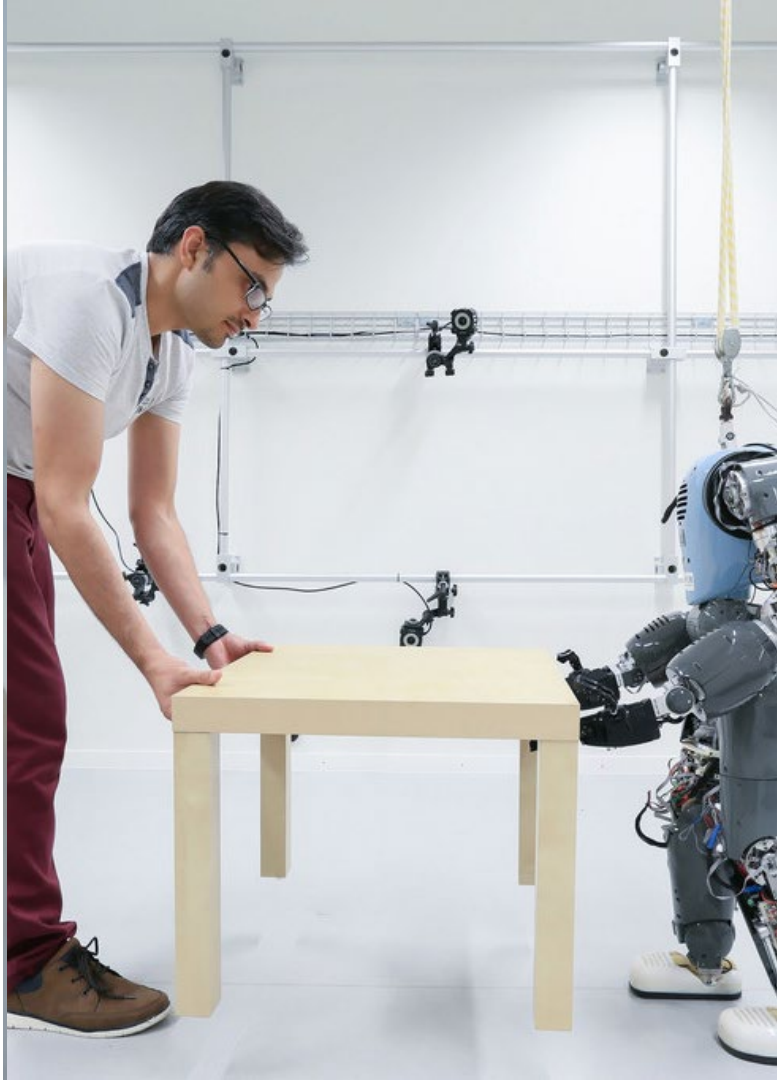


Zuowen Wang
CYD Master Thesis Fellow, ETHZ

Dina Mahmoud
CYD Doctoral Fellow, EPFL

Dimitri Percia David
CYD Postdoctoral Fellow, UNIGE

👍 57 • 4 Comments



Introduction

Results

Meet our fellows!

Meet our fellows!



- New communication format
- Short videos to introduce fellows
- First try with EPFLinnovators fellows (12 volunteers)
- 2021: extension to other programmes





Merci

ReO

Research@epfl.ch