Pioneering innovative education and research
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To help everyone take care of oneself, others and the planet, CRI is co-constructing and sharing new ways of learning, teaching, researching and mobilizing collective intelligence in the fields of life, learning and digital sciences.

Transforming Learning and Research

IKIGAI

What do you LOVE
Face the unknown at the frontiers of different disciplines

What are you GOOD AT
Catalyse ideas, talent, research & actions

What does THE WORLD NEED
Raise awareness to solve current issues & prepare for tomorrow

Why would you BE SUPPORTED
Nurture research and talent to open new perspectives (through life, learning and digital sciences)

CONTAGIOUS PASSION

SCALABLE SOLUTIONS

MENTOR

LEARNING SOCIETY
CRI was founded by François Taddei and Ariel Lindner in 2005 to create a student/- researcher centered open environment where they can co-construct a world where lifelong learning is at the heart of our society.

Active at the crossroads of research and education, we advocate for innovative pedagogy putting the students at the heart of their own learning experience through projects, research and societal challenges.

We develop educational programmes, from preschool to high school with Savanturiers - Ecole de la Recherche, and from Bachelor to PhD including lifelong learning, within Université de Paris.

Developing internationally

Our international mindset is the backbone of our creativity, energy, legitimacy and recognition worldwide.

Our community, composed of students, teachers, researchers, scientific advisories and staff, represents over 50 nationalities.

CRI has inspired the development of other innovative places of learning such as Open Fiesta in Tsinghua University in China and Tadeo Lab in University of Bogota in Colombia.

Through its global partnership with UNESCO, CRI develops a global open-source ecosystem to empower learners to contribute to designing local and global solutions to our common problems (SDGs).
We develop academic and research programs within Université de Paris.

**FDV Bachelor**

The FdV Bachelor (Frontières du Vivant) is a general interdisciplinary scientific program, it is much more than a biology undergraduate program. It aims to provide students with a strong scientific culture centered on life sciences, in interaction with physics, chemistry, mathematics, computer and social sciences. It attaches equal importance and value to the acquisition of transversal skills and scientific knowledge.

**AIRE Master**

The AIRE Master’s degree (“Approches Interdisciplinaires et Innovantes de la Recherche et de l’Enseignement”) is a 2-year master’s program providing high level, interdisciplinary, interactive and collaborative training on emerging scientific and societal subjects. It includes three curricula:

- **Life Sciences**
  Interdisciplinary Approaches to Life Sciences
- **Learning Sciences**
  Education and Technology
- **Digital Sciences**
  (launched in September 2019)

**FIRE Doctoral School**

The FIRE Doctoral School (Frontières de l’Innovation en Recherche et Éducation”) is an interdisciplinary PhD program that promotes ambitious research and interactions between a wide range of academic disciplines to pursue our understanding of living systems and our approach to education and discovery. This unique program leverages modern educational pedagogy to help young researchers to develop into well-rounded members of the scientific community.

* The graduate school «Interdisciplinary Research Academic School of Paris» includes the **Master’s program** and the **Doctoral School**.
LIFELONG Learning

The lifelong learning program provides six interdisciplinary diplomas. It is designed to enable people, at any stage of their life, to take part in stimulating learning experiences in fields such as entrepreneurship, design thinking, practical philosophy, innovative education, scientific mediation and serious games:

- Creativity, Entrepreneurship & Research
- Education and lifelong learning philosophy
- Training Course for the Union of Development, Research and Education
- Innovative scientific mediation
- Learning through gaming
- Transition in education

SUMMER Schools

Experts in fields as wide as medicine, environmental sciences, 3D printing, etc. are thrown together in hackathons, workshops and masterclasses. Students work with their mentors to develop projects to make a better world.

SDG’s School

a 4-week challenge to develop projects in line with the United Nation’s Sustainable Development Goals.

“The Biopolis” Harvard Summer School

an 8-week program to create new models that address the urban challenges of Paris.

S.T.E.A.M School

is a 10-day project based experiential learning program runned by Maker’s Asylum, CRI and the French Embassy in India.

SAVANTURIERS École de la recherche

Savanturiers - École de la Recherche is an educational program where researchers and educators work hand-in-hand on pedagogical programs from preschool to high school which aims to:

- Co-create education through research framework
- Design educators’ training and professional development programs
- Conduct research and studies in the fields of education technologies and innovative teaching
- Implement education through research projects in schools worldwide
We are a research “collaboratory”

**OUR RESEARCH TOPICS INCLUDE**

- **OPEN LEARNING**
  from understanding learning to human-machine paradigms

- **OPEN PHRONESIS**
  tackling ethical challenges of our time

- **OPEN TRANSITIONS**
  from tracing past major transitions to understanding and shaping current digital transition

- **OPEN HEALTH**
  from data-rich research to development of frugal software and hardware solutions

- **OPEN SYNTHETIC & SYSTEMS BIOLOGY**
  from fundamental understanding of living systems to open biotech and open pharma solutions

Our open “collaboratory” (collaboration & laboratory) at the crossroads of life, learning and digital sciences. Our research program aims to tackle the world’s health and education challenges.

In the coming years, our research "collaboratory” will grow to welcome up to 60 students-researchers, post-docs and research fellows, staying for periods between 3 months to 5 years.

Since 2007, a CRI team «iGEM Paris Bettencourt» has proudly participated in the International Genetically Engineered Machines competition. Every year, students from around the world spend a summer building living systems of their own design.

**OUR LABS**

At the heart of our activities, we host a number of labs within the IIFR - Innovative Institute for training through research. Our labs advise, design, prototype and produce tools for research projects and innovative pedagogy.

- **GameLab**
  Games for science, education and social change

- **MotionLab**
  Research projects involving motion and education

- **HealthLab**
  Dedicated to bringing interdisciplinarity into healthcare

- **Premiers Cris**
  Dedicated to infant development and bringing future parents, child care workers and scientists together

- **MakerLab**
  Tools for research, educational and learning projects

- **VR Frontiers Lab**
  Virtual Reality applications in education and interdisciplinary science

- **MOOC Factory**
  Massive Open Online Courses (MOOC) with innovative pedagogical content

- **WetLab**
  State-of-the-art systems and synthetic biology experimental lab
We are a community

We foster hacker and maker mindsets. We mentor and challenge students to develop project management skills that are complementary to their academic curriculum.

STUDENT CLUBS & ASSOCIATIONS

Student initiatives are the real engine behind our development. We encourage students to create clubs where they can develop projects open to all. Each club enables them to:

- **Grasp societal issues**, as gender equality in science with WAX Science or Avenir Climatique that promotes awareness of environmental issues or refugees’ integration through training with CRI For All.
- **Develop scientific and research activities** with Synbio that allows students to develop their knowledges in synthetic biology. Or partaking in AMPS (Association Médecine Pharmacie Science), a community of researchers, in pharmacy or medicine built around biomedical research.
- **Explore new disciplines**, such as virtual reality in the XR Club or cognitive sciences in SCALP!
- **Nurture friendliness within CRI** through experiences such as the CRI Theatre Club or CRI Practical Philosophy Club.

OPEN SCIENCE

Doing It Together Science is a 3 year European project. The aim is to empower and engage citizens and policy makers in scientific research and innovation. It focuses on 2 themes: biodesign & environmental sustainability.

11 partners around Europe are involved. CRI is the French representative.

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 709443. This project is also supported by the European Instrument for Democracy and Human Rights (EIDHR).
The Bettencourt Schueller Foundation has been a strategic long term partner since CRI was created in 2005.

CRI develops its academic and research programs within Université de Paris.

- AGENCE NATIONALE DE LA RECHERCHE
- AGENCE NATIONALE DE LA RÉNOVATION URBAINE
- ASHOKA
- AXA
- CAISSE DES DÉPÔTS ET CONSIGNATIONS
- COMMISSION EUROPÉENNE
- DÉFENSEUR DES DROITS
- FONDATION DE FRANCE
- FONDATION ORANGE
- FONDATION PILEJE
- FONDATION SERVIER
- FONDATION THALES
- HARVARD UNIVERSITY
- INJEP
- INRIA
- LA FRANCE S’ENGAGE
- MINISTÈRE DE L’ENSEIGNEMENT SUPÉRIEUR DE LA RECHERCHE ET DE L’INNOVATION
- MINISTÈRE DE L’ÉDUCATION NATIONALE ET DE LA JEUNESSE
- MSDAvenIR
- RÉGION ÎLE DE FRANCE
- SCIENCES PO
- SECRÉTARIAT GÉNÉRAL POUR LA MODERNISATION DE L’ACTION PUBLIQUE
- TSINGHUA UNIVERSITY
- UNIVERSITÉ PSL