Inria, a national research institute fully dedicated to Informatics and Mathematics.

Inria's **3,500 researchers** creatively integrate basic with applied research and dedicate themselves to solving real problems, collaborating with the main actors in public and private research in France and abroad and transferring their results to innovative companies.

The researchers at Inria are organized in project-teams in eight research centers located throughout France (Paris, Saclay, Rennes, Sophia Antipolis, Grenoble, Nancy, Bordeaux and Lille).

They address scientific topics in the following areas:

- Applied Mathematics, Computation and Simulation
- Algorithmics, Programming, Software and Architecture
- Networks, Systems and Services, Distributed Computing
- Perception, Cognition, Interaction
- Digital Health, Biology and Earth
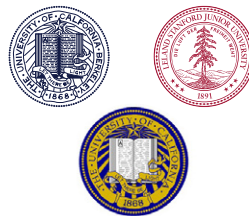
Find out more at www.inria.fr

Contact
siliconvalley@inria.fr

https://project.inria.fr/siliconvalley/

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CITRIS

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A French-Californian **bridge** in digital Science
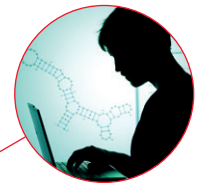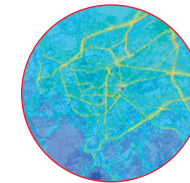
The Inria@SiliconValley **program**

GOALS

Since 2011 Inria is running **Inria@SiliconValley,** a **joint research program** with Californian universities, mainly with University of California, Berkeley and Stanford University.

In cooperation with CITRIS (Center for Information Technology Research in the Interest of Society), the program aims to:

- ⊙ **strengthen and structure** existing collaborations between Inria research teams and Californian universities in order to improve their visibility and impact ;
- ⊙ **create and support** new innovative projects with complementary competences, addressing scientific challenges of the digital society.

About 20 joint research projects between Inria and Californian research teams are supported every year.

SCIENTIFIC & SOCIETAL CHALLENGES

This partnership allows researchers to address **major challenges of the digital era** among which:

- ⊙ **New computation and data analysis** where new mathematical and simulation models for today's and future digital systems are studied.
- ⊙ **Computation and communication for the future Internet,** from cloud computing to the Internet of things, where programming abstractions and supporting algorithms and protocols are investigated.
- ⊙ **Content and supporting learning technologies,** with a special emphasis on dealing with big data, from large scale data management to learning.

Application of the research results is also a major focus of the partnership with a special interest for societal challenges like the emergence of **smart cities, future transportation systems** and **security**.

Collaboration **opportunities**

⊙ JOINT RESEARCH PROJECTS

Inria launches an annual call for joint research projects through the "Associate Team" Program. These three to six years projects generate many joint results and exchanges of researchers and students between the partners.

http://www.inria.fr/en/research/international-mobility/ associate-teams/call-for-projects

⊙ ANNUAL WORKSHOP

Organized alternatively in California and in France, the workshop gathers the researchers of the program in order to present the state of scientific collaborations and to work on proposals for future ambitious joint projects.

https://project.inria.fr/siliconvalley/workshops/

⊙ INRIA INTERNATIONAL CHAIRS

The "Inria International Chairs" program offers to world-class researchers the opportunity of long visits – twelve months along five years – in Inria project-teams.

http://www.inria.fr/en/institute/recruitment/inria-international-chairs

⊙ POSTDOCTORAL FELLOWHIPS

Postdoctoral grants are awarded every year to candidates contributing to Inria@SiliconValley projects.

https://project.inria.fr/siliconvalley/post-docs/

⊙ INTERNSHIPS

Each year, Inria welcomes Master and PhD students from all over the world for a research training experience through the "Internship" program.

http://www.inria.fr/en/research/international-mobility/ internships-programme/applications

https://project.inria.fr/siliconvalley/

By supporting and structuring the collaboration of Inria researchers with their colleagues in California, the Inria@SiliconValley program allows joining complementary expertises to address big challenges in the digital world, such as building sustainable digital systems, mastering complexity of data and networks, interacting between real and digital worlds.

Hélène Kirchner
Inria International Relations Director

As part of the Inria@SiliconValley program, we are developing an international collaboration focused on Smart Cities that is a key research topic for both Silicon Valley partners and Inria. Our joint goal is to promote digital technologies that foster the development of smart cities that are inclusive and listen to citizens, especially to overcome the nuisance that may arise from the massively increasing urban population.

Valérie Issarny
Inria@SiliconValley Scientific Coordinator

Inria@SiliconValley provides a unique opportunity to work in the Silicon Valley, which is not that easy for us from Europe as there is a lot of international competition! We get to work with brilliant minds and it's a top-notch place to be, offering great opportunities. The Silicon Valley is around the corner, with its companies and job offers. Without the program, I wouldn't have had the offers I got!

Eugen Fuller
Inria@SiliconValley post-doctoral fellow