



Outreach and Education at APC

The Paris Centre for Cosmological Physiscs







PCCP is an APC internal structure devoted to outreach, education, and the connection between science and society

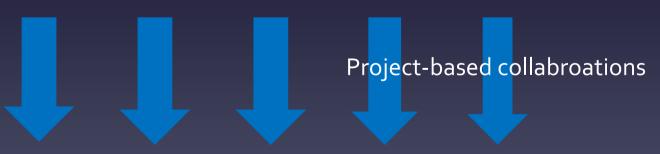
The team

Director

Matteo Barsuglia (CNRS – Gravitational Waves)

Project Manager

Giulia Vannoni (UPC)



APC researchers and engeneers

PCCP focuses on the idea of a science embedded in society and actively contributing to pressing societal issues, like social justice, inclusion, and the climate crisis, through reflection, interdisciplinary actions and field work.

Major ongoing actions:

- Teaching the Universe 2-day workshops for high-school teachers (since 2011).
- Le cosmos dans mon école workshops in high-schools.
- PHYSIS systematic study of the impact of researcher's workshops in high-schools to reduce educational inequalities (gender, socio-economical...).
- F3: Filles et Femmes aux Frontières de l'Univers internships and tutorship for young women at APC.
- Apprentis Chercheurs year-long tutorship for high- and middle-school students.
- Starlab Workshops for hospitalised children at the pediatric hospital Robert Debré.

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- Outreach Centre at APC space for general publics/schools equipped with pedagogical instruments.
- Art Residences at APC exchange between artists and scientists giving rise to new artworks.
- « Diversity and inclusion » working group at APC.
- Café diversité journal club on social sciences research on three interrelated subjects: diversity and inclusion, the environmental emergency, and education.
- WEL: Women Exploring the Limits webinars by female scientists on their research.
- Development of board-game about women in science with IPGP.

Teaching the Universe



Outreach projects with teachers and students

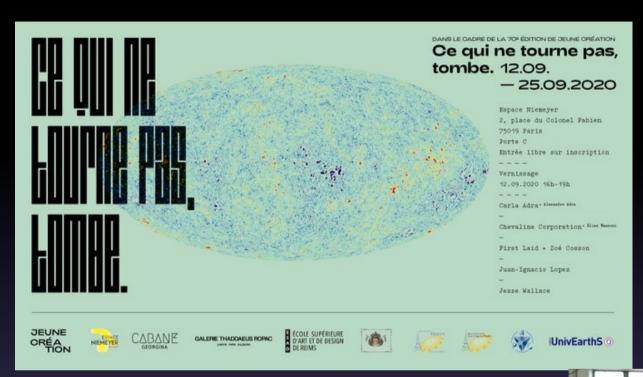




Outreach projects with teachers and



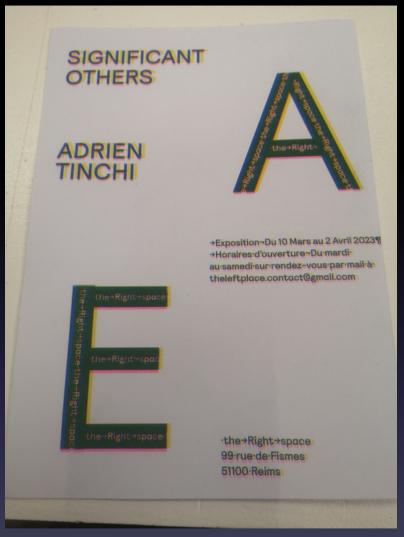
Art residencies

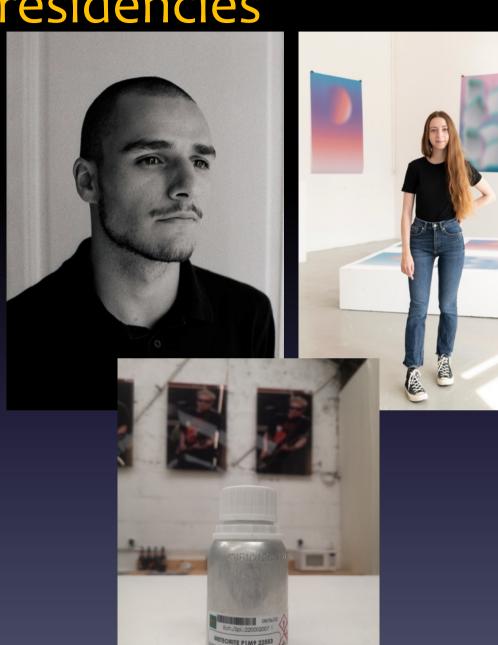






Art residencies





Festival des idées Paris







Women Exploring the Limits



UNESCO International Day of Women and Girls in Science 2021



Mardi 11 mai 2021, 15h00 - 16h00 En direct sur Zoom

Quel est le rapport entre la détection des ondes gravitationnelles émises pendant la fusion des trous noirs et la mécanique quantique ?







Paris Centre for Cosmological Physics Planning gender equality actions

Register at: https://indico.in2p3.fr/event/20110

Morning session: Open to anyone who wishes to know more about gende





Starlab @ Hôpital Robert Debré





Café Diversité



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Apprentis Chercheurs

Education project started in 2004 by « L'arbre des connaissances » in collaboration with Universities and schools all over France

► COMMENT ÇA FONCTIONNE?

AVEC L'APPUI DE L'ASSOCIATION ET DES COORDINATEURS NATIONAUX, SALARIÉS DE L'ARBRE DES CONNAISSANCES :



 Les élèves accompagnés par leurs enseignants rédigent une lettre de motivation à l'attention des professionnels de la recherche qui les accueilleront.



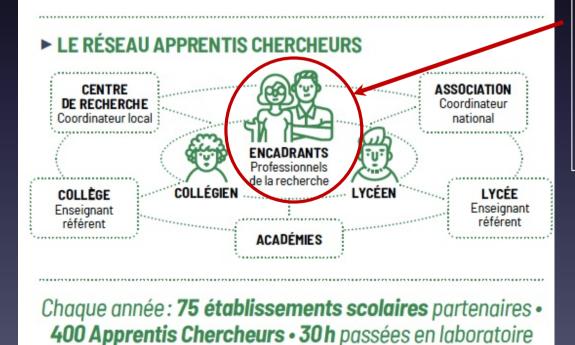
3. Binômes et encadrants élaborent le sujet du projet de recherche qu'ils mèneront ensemble durant environ 8 séances d'une demi-journée.



 Acteurs de la recherche et enseignants forment les binômes de jeunes.



4. À la fin de l'année, lors du congrès des Apprentis Chercheurs organisé dans le centre de recherche et ouvert au public, les jeunes présentent leurs travaux à l'oral et parlent de leur expérience.



We are looking for one tutor (in collaboration with a more senior researcher?)

Apprentis Chercheurs

Becoming a tutor, why?

- To foster young people's interest in science, help develop their critical thinking and contribute creating scientific-literate, independent-thinking citizens.
- To help connect research with society in our local environment.
- For the fulfilment of creating personal and professional connections with the students and your colleagues at Université Paris Cité.
- To get trained in science outreach.

What you have to do:

- Come up with a project for the two students (some help from more senior staff...).
- Tutor the two students for 8 half-days in the course of the Academic year.

Benefits:

- Tutoring hours will be credited by your Doctorate School!!
- You will be offered a full training day in scientific outreach by L'Arbre des Connaissance.

Get involved with PCCP!

Plenty of projects where you can contribute and train in outreach:

- Le cosmos dans mon école participate in a single-event 2-h workshop in highschools. Practice your public speaking while giving back to the youngest.
- Starlab come play with science and create a fun learning moment for hospitalised children at the pediatric hospital Robert Debré. Single event, 1.5 h.
- F3: Filles et Femmes αυχ Frontières de l'Univers if you are a young female researcher starting her career, come mentor high-school students and give them positive reference models in science. 1 week project, 3 times 3 h (in April).

Also...

- Participate to our monthly Diversity Coffee. Come listen, share or suggest new literature
- Contribute to the Outreach Centre by volunteering some time or ideas for improvement

...you'll thank us when you write your first Marie Curie (or ANR, or ERC...)! 6

Contacts

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