

GRADUATE PROGRAM 2014 REPORT

The **2014 Graduate Program** call for applications opened on November 1st, 2013 and closed on January 19, 2014.

510 candidates applied to the call. 208 files were eligible and were marked by the ENP panel. 2 experts were allocated to each application and carried out the evaluation remotely based on the following evaluation criteria:

1. Academic background
2. Academic grades
3. Professional experience & career plans
4. Motivation for the programme
5. Quality of the references

Candidate' grades range from 1 (excellent), 2 (very good), 3 (good), 4 (average) to 5 (belowaverage).

The selection committee was composed of 15-20 ENP team leaders selected from the 111 participating teams (within 22 Research Centers) in line with their expertise and the expertise of the candidates.

2014 jury members who marked the 208 files:

- | | |
|-----------------------|--------------------------|
| 1. Bally-Cuif Laure | 15. Legendre Pascal |
| 2. Bathellier Brice | 16. Levi Sabine |
| 3. Bonvento Gilles | 17. Livet Jean |
| 4. Borst Grégoire | 18. Mameli Manuel |
| 5. Chaillet Antoine | 19. Nait-Oumesmar Brahim |
| 6. DiGregorio David | 20. Nicole Sophie |
| 7. Dubal Stéphanie | 21. Rondi Reig Laure |
| 8. El Mestikawy Salah | 22. Selimi Fekrije |
| 9. Fontaine Bertrand | 23. Shulz Daniel |
| 10. Fortin Gilles | 24. Sobel André |
| 11. Francis Fiona | 25. Venance Laurent |
| 12. George Nathalie | 26. Wiener Sidney |
| 13. Gutkin Boris | 27. Wyart Claire |
| 14. Jarraya Béchir | 28. Zalc Boris |

On February 14, 2014, sixteen experts along with the 2 Graduate Program Directors – Laure Bally Cuif and André Sobel – were invited to a consensus meeting. The meeting took place at the Campus des Cordeliers - 15, rue de l'Ecole de Médecine 75006 Paris.

The experts presented the results of the remote stage evaluation, a consensus was sought and a list of candidates to be invited to a phone interview was drawn up.

Jury members present at the meeting:

- | | |
|-----------------------|--------------------------|
| 1. Bally-Cuif Laure | 9. Gutkin Boris |
| 2. Bathellier Brice | 10. Levi Sabine |
| 3. Bonvento Gilles | 11. Livet Jean |
| 4. Borst Grégoire | 12. Mameli Manuel |
| 5. DiGregorio David | 13. Nait-Oumesmar Brahim |
| 6. Dubal Stéphanie | 14. Sobel André |
| 7. El Mestikawy Salah | 15. Venance Laurent |
| 8. Francis Fiona | 16. Wiener Sidney |

34 students were invited to a phone interview. Following the phone interview session, **24 applicants were invited to the face to face interviews**, to be held on April 15 & 16, 2014 in Paris.

The audition was divided into two parts:

- A 10-minute presentation
- A 10-minutes questions/answers session

Auditions took place at the Campus des Cordeliers.

2014 jury members present at the auditions

- | | |
|-----------------------|--------------------------|
| 1. Bally-Cuif Laure | 9. Francis Fiona |
| 2. Bathellier Brice | 10. Levi Sabine |
| 3. Bonvento Gilles | 11. Livet Jean |
| 4. Borst Grégoire | 12. Mameli Manuel |
| 5. Chaillet Antoine | 13. Nait-Oumesmar Brahim |
| 6. Deneve Sophie | 14. Sobel André |
| 7. DiGregorio David | 15. Venance Laurent |
| 8. El Mestikawy Salah | 16. Wiener Sidney |

During these two days, concurrently with the auditions, several activities had been organized by the ENP staff.

Research center visits had been scheduled on both days allowing prospective students to meet ENP team leaders. The aim is to provide an insight in French Neuroscience research to the students who are coming to Paris.

Day 1 AM	Institut de Biologie de l'Ecole Normale Supérieure (IBENS) - German Sumbre
	ESPCI Paris Tech - Thomas Prémat & Karim Benchénane
Day 1 PM	Mircen - Gilles Bonvento
	Institut de Neurobiologie Alfred Fessard (UNIC) - Brice Bathellier
Day 2 AM	Neuroscience Paris Seine (NPS) - Laure Rondi Reig
	Collège de France - Fekrije Selimi

A poster session was organized on Tuesday, April 15th at 5.30 pm. Around twenty ENP teams exposed their research posters and discussed with the applicants under the arches of the Faculty of Medicine.

Poster titles:

- 1- Inhibitory control of cortical microcircuits
- 2- Imaging brain activity with cellular resolution in behaving animals
- 3- Inhibitory control as a core mechanism for neurocognitive development in children and adolescents: implications for education
- 4- Unraveling striatal signaling in drug addiction
- 5- Presynaptic NMDA-Rs implement a spike pattern dependent plasticity rule in the cerebellum
- 6- Two-photon imaging of neuronal, astrocyte activation and oxygen consumption during odor
- 7- Direction selectivity in the mouse barrel cortex, a voltage sensitive dye imaging study
- 8- Developmental mechanisms of brain disorders
- 9- Adenosine A2 Receptors stabilize newly formed gabaergic synapses
- 10- Multicolor mosaic analysis in the developing central nervous system with Brainbow strategies
- 11- Genetic exploration of inhibitory synapses in bipolaire disorder
- 12- Information processing in the retina and vision restoration
- 13- The encoding of odor memories in the piriform cortex
- 14- Presynaptic effect of mutant agrin at the neuromuscular junction in congenital myasthenic syndromes
- 15- Memory and Energy Metabolism
- 16- New vista on the Cerebello-Cortical System
- 17- Cerebellum, navigation and Memory
- 18- Two excitatory afferents, one neuronal target: what are the molecular pathways controlling synapse specificity?
- 19- Two-photon Ca²⁺ imaging, optogenetics and behaviour in the zebrafish larva
- 20- Modulation of excitatory synaptic transmission in the lateral habenula by metabotropic glutamate receptors
- 21- Shining light on the olfactory cortex: dissecting neural identities and functions

To conclude the first day, a social dinner was organized, gathering the expert committee, ENP team leaders and current ENP students. This dinner is a good opportunity to meet and exchange with ENP team leaders in an informal setting and finally is considered as a very important part of the recruitment process.

10 applicants were recruited, 9 accepted and entered the ENP Graduate Program.



The twenty international candidates invited to take the auditions in Paris to enter the 2014 ENP Graduate Program, on the steps of the Réfectoire des Cordeliers.

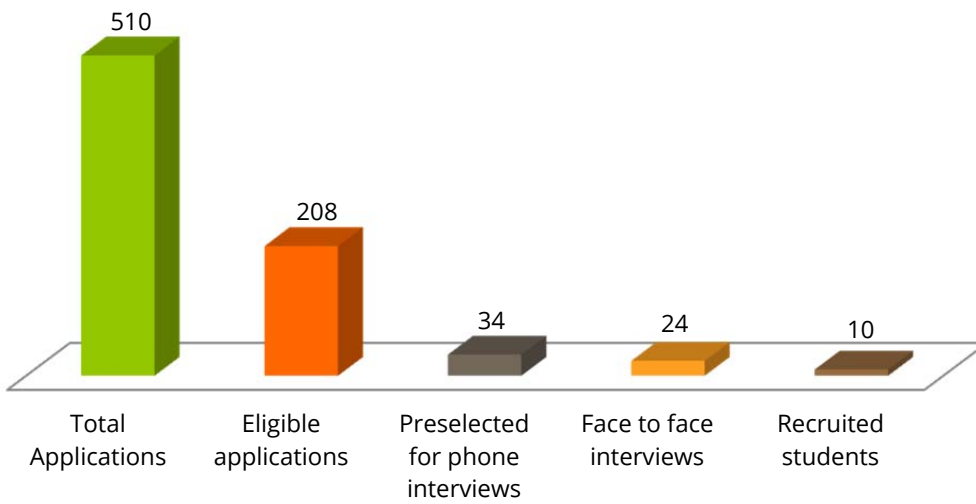


Poster session

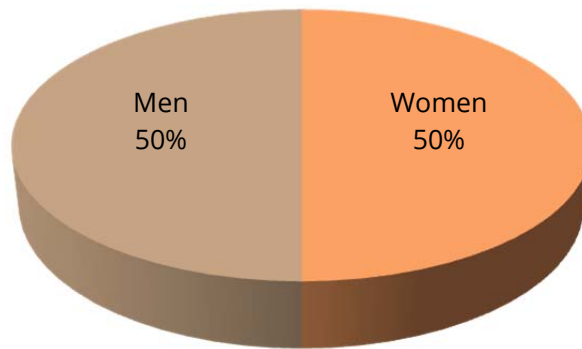


During a research center visit, with Fekrije Selimi

2014 Graduate Program



Recruited students



Recruited students' academic origins

