

Benoit Playe
PhD student in chemogenomics
Engineer from ENSTA ParisTech

9 Rue Jean Verrier
10450 Bréviandes
☎ +33 (0)6 66 40 18 63
✉ playe.benoit@gmail.com

Professional Experience

- 2015-2018 **PhD in machine learning methods in chemogenomics, Mines ParisTech**, key words: machine learning, drug discovery, protein-ligand interaction prediction.
- 2015 **Molecular Biology, Institut Curie UMR 144, Paris**, 4-month internship, study of spatio-temporal regulation of cell division by numerical simulation and experimentation.
- 2014 **Material Science, University of Texas, Dallas**, 5-month internship, experimentation for studying the attachment of Thymidine monophosphate on silicon surfaces.
results published:
[CALAIS, Théo, PLAYE, Benoit, DUCÉREÉ, Jean-Marie, et al. Role of Alumina Coatings for Selective and Controlled Bonding of DNA on Technologically Relevant Oxide Surfaces. The Journal of Physical Chemistry C, 2015, vol. 119, no 41, p. 23527-23543.](#)
- 2013 **Material science, Keio University, Tokyo**, 3-month internship, experimentation for mastering suspending graphene, multi-case computation of heat transfer in graphene.

Education

- 2014-2015 **Université Paris VI-VII-XI, Master degree in Biophysics**, relevant courses: bioinformatics, cellular & molecular biophysics, cell functioning, soft matter, active matter, neuroscience.
- 2013-2014 **Ecole Polytechnique ParisTech, Master degree in Physics**, relevant courses: biophysics, solid state physics, condensed matter physics.
- 2011-2014 **ENSTA ParisTech, Master of Science**, relevant courses: computer simulation (methods FEM & parallel computing), statistics analysis, quantum/statistic physics..

Extra-curricular Experience

- 2012-2013 **Member of the student union, ENSTA ParisTech**, head of the integration of new students and foreign students.
- 2013-2014 **Examiner for Bachelor students, EPF Sceaux**, weekly oral exams during 2 hours.

Expertise & interest

- French **Native language**
- English **Fluent** *TOEFL : 92/120 obtained before a five months internship in the USA*
- Japanese **5 years of study, 3 stays between 1 and 3 months in Japan**
- Computation **C, C++, Python, Matlab, MPI (parallel programming), LATEX**
- Sports **Sailing** (3-year races with a team), **fencing** (5-year tournaments)