



# Vincent Bertin

## Curriculum Vitae

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📄 <https://vincent-bertin.github.io/>

19 nov 1994

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## Education

2018 - **PhD in physics**, *University of Bordeaux & ESPCI Paris*.

Thin films. Elastohydrodynamics. Swimming droplets under confinement. Landau-Levich.  
Under the supervision of *Thomas Salez* et *Elie Raphaël*.

**Collaborators** : Yacine Amarouchene, Abdelhamid Maali (Univ. Bordeaux), Olivier Dauchot, Mathilde Reyssat, Joshua McGraw (ESPCI Paris), Kari Dalnoki-Veress (McMaster University Canada), Jacco Snoeijer (University of Twente Netherlands).

2014 – 2018 **Ecole Normale Supérieure**, *Elève normalien*.

2017 : Master of physics ICFP ENS - Soft Matter and biophysics

2015 : Bachelor of fundamental physics FIP ENS

2012 – 2014 **Preparatory school**, *Lycée Thiers, Marseille*.

## Publications

### Articles

1. M. RIVETTI, **V. BERTIN** ET AL., *Elastocapillary Levelling of Thin Viscous Films on Soft Substrates*, Physical Review Fluids **2**, 094001, 2017.
2. J.M. AURNOU, **V. BERTIN** ET AL., *Rotating thermal convection in liquid gallium: multi-modal flow, absent steady columns*, Journal of Fluid Mechanics **846**, 846-876, 2018
3. Z. ZHENG, **V. BERTIN** ET AL., *Direct measurement of the elastohydrodynamic lift force at the nanoscale*, Physical Review Letters **124**, 054502, 2020.
4. **V. BERTIN** ET AL., *Symmetrization of Thin Free-Standing Liquid Films via Capillary-Driven Flow*, Arxiv. 1912.07930 (Submitted)

### Conferences

**National** - GDR Liquids at Interfaces (Grenoble 2017, Bordeaux 2018, Grenoble 2019), Journée de la Physique Statistique (2019, 2020), Voyage Gulliver (Lyon 2017, Amsterdam 2019), GDR MePhy 2020.

**International** - APS March Meeting 2018 Los Angeles, ICTAM 2020 Milan.

**Summer school** - LAI Cargèse 2019.

## Skills

Languages Français (Mother tongue), English (fluent), Español (basics)

Computer Python, Mathematica,  $\text{\LaTeX}$ , ...

Social Student representative at Gulliver (~ 50 pers.)

Organizer of student seminar (~ 2/mois)

Outreach Fête de la science 2018 - 2019

## Enseignement

2017 - 2018 **Physics tutorials (colle)**, *Lycée Condorcet Paris*, MPSI (2h/weeks).

2018 - 2020 **Applied mathematics**, *ESPCI Paris*, L3/M1, ~30h/year.

2018 - 2020 **Supervision of experimental projects**, *Ecole Normale Supérieure*, L3 Physique FIP, 32h/year.