

NAHABOO Wallis
Born on January 29th, 1990 in Grasse, FRANCE
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Nationality: French



PhD Student

Education:

- 2012-(2015): PhD in biology with biophysics aspects in **ENS Lyon, LBMC** (Laboratory of Molecular and Cell Biology). Major on 55 candidates in the doctoral school's competitive recruitment to obtain a PhD fellowship by the French government.
- 2009-2012: Biomedical/bioengineering engineer school in **Grenoble-INP, PHELMA** (Institut National Polytechnique) in Grenoble, France:
 - 2011: Erasmus semester in **TU/e, University of Technology of Eindhoven, the Netherlands**, in the biomedical department.
 - 2010: Bachelor degree in engineering sciences from **Grenoble-INP, PHELMA**, France.
- 2007-2009: Physics, Chemistry and Engineering science preparatory classes (CPGE) (PCSI, PSI*) at the CIV in Sophia Antipolis, France
- 2007: BAC S (Sciences), Physics-Chemistry specialization, "mention bien" (magna cum laude)

Professional experiences:

- October 2014: Microscopy school on biology (**MiFoBio**), Seignosse, FRANCE.
- 2014: **Directing a Bachelor intern** in biophysics for 2 months on "Optimization of microtubule polymerization detection".
- 2012-(October 2015): **Teaching biophysics and biology** in ENS Lyon for Bachelor and Master students in the biology and physics departments (64h/year).
- 2012-(October 2015): informal teaching on Matlab software and microscope devices.
- 2012-(October 2015): PhD on "**Mitotic spindle elongation in *C. elegans* embryos: characterization of a new pushing force**" under the supervision of Dr. Marie Delattre (marie.delattre@ens-lyon.fr). I work on the forces that separate chromosomes during cell division. I combine cell biology and physics approaches (RNAi, microscopy, microsurgery, Matlab,...)
- February- August 2012: Master Grenoble-INP, PHELMA internship, 6 months in LBMC, CNRS, ENS Lyon on "**Biophysics and molecular analysis of mitotic spindle elongation mechanisms in *C. elegans* embryos**" under the supervision of Dr Marie Delattre (marie.delattre@ens-lyon.fr). I worked on the forces that separate chromosomes during cell division. I set up a biophysical approach to reveal the presence of mechanical force during chromosome separation.
- June –August 2011: internship in UCL, University College London "**Imaging using three dimension techniques for enhanced diagnosis**". Observing chicken bone behavior under an axial compression thanks to a microCT; under the supervision of Prof Robert Speller (rspeller@medphys.ucl.ac.uk).
- July 2010: Internship in **Thales Alenia Space** in Cannes in order to discover a corporate environment, under the supervision of Mr Jean-Jacques Rousseau (jean-jacques.rousseau@thalesalieniaspace.com).

Research articles:

- Nahaboo W. et al, **Molecular Biology of the Cell**, *Chromatids segregate without centrosomes during *C. elegans* mitosis in a Ran and CLASP dependent manner*. 2015, In press

Scientific meetings:

- (July 2015): French Microtubule Network meeting, Grenoble, FRANCE. « Microtubule dynamics and mechanical forces in the one-cell *C. elegans* embryo ». **Oral Communication or Poster**
- (13-15 Mai 2015): International meeting, CellMech, Barcelona, SPAIN. « Microtubule dynamics and mechanical forces in the one-cell *C. elegans* embryo ». **Poster and travel grant from SBCF** (French Society of Cell Biology)
- (4 Mai 2015): National meeting on live microscopy, Lyon Bio-Image, Lyon, FRANCE « Microtubules and laser game in the *C. elegans* embryo ». **Oral Communication**
- January 2015: National meeting on *C. elegans*, Paris, FRANCE: « Microtubule dynamics and mechanical forces in the one-cell *C. elegans* embryo ». **Poster**
- December 2014: BMIC PhD Days (Integrative Molecular and Cellular Biology), Lyon, FRANCE: « Microtubule dynamics and mechanical forces in the one-cell *C. elegans* embryo ». **Oral Communication and second prize on 22 candidates.**
- November 2014: National meeting on biophysics (GDR 3070: Physics from cell to tissue), Mont St Odile, FRANCE: «Microtubule dynamics and mechanical forces in the one-cell *C. elegans* embryo». **Oral Communication.**
- October 2014: Microscopy school on biology (MiFoBio), Seignosse, FRANCE: « Laser game and *C.elegans* ». **Poster and second prize of the jury on 70 candidates.**
- January 2014: National meeting on *C. elegans*, Strasbourg, FRANCE: « Centrosome are dispensable for chromosome separation in one-cell *C. elegans* embryo ». **Oral communication**
- December 2013: International meeting of ASCB (American Society of Cell Biology), New Orleans, US: « Centrosome are

dispensable for chromosome separation in one-cell *C. elegans* embryos ». **Poster and travel grant from ASCB.**

- November 2013: National meeting on biophysics (GDR 3070: Physics from cell to tissue), Lyon, FRANCE: « Centrosome are dispensable for chromosome separation in one-cell *C. elegans* embryo ». **Poster**
- July 2013: French Microtubule Network meeting, Marseille, FRANCE: « Deciphering mechanical forces involved in mitotic spindle elongation in one cell *C.elegans* embryos ». **Oral communication**
- January 2013: National meeting on *C. elegans*, Lyon, FRANCE: « Deciphering mechanical forces involved in mitotic spindle elongation in one cell *C.elegans* embryos ». **Poster**

Other formations/projects

- 2015: PhD formation on “ R&D projects management” with M Christian Pillot (30h)
- 2014: PhD formation on “ Team management ” with M Jean-Christophe Klein (24h).
- 2013: PhD formation on “ Communication Techniques” with Mrs Sylvie Marcandier (40h).
- 2011: Biological/microfluidics project on “**Assisted detection by micro-magnet of a couple antigen-antibody.**”
- 2010: Group project on “**fractality of matter**” with Mrs Sandrine Brice-Profeta as intership mentor.

Computer-related

- Matlab / Comsol / ImageJ / Fiji / Metamorph / ZEN
- Usage of Linux, Microsoft Office and Adobe Illustrator.

Extra-professional experiences

- **Sports:** SUP (Stand Up Paddle surfing), badminton, snowboard, surf, orienteering race, fencing
- 2010: Prevention and first aid formation at level 1 (**PSC1**)
- **Associative life:** Badminton club member (BEB, Badminton Evasion Bron) 2012-2015 (organization of an international badminton competition with 500 players).
Student Sport Office’s member in Grenoble-INP, PHELMA (organization of sport events and a ski weekend for a hundred students) in 2010.

Languages:

- **French:** native language
- **English:** Fluent:
 - 10 weeks of internship in **London**
 - 1 semester in **Eindhoven, The Netherlands** with courses in English
 - all oral scientific communications are in English