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## PhD proposal : A4

### Experimenting with the Earliest Stages of Planet Formation

- *Experience in the world of work.*  
- *Stringent quality in experimental design and protocols*

#### Special skills :

<b>Communication</b>	Experiences in the world of work, in a team or self-sufficiently. Poster presentation during conferences / Summer School
<b>Technical</b>	Implementation of various methods linked with chemistry (spectroscopy, mounting under high vacuum, organic synthesis, cryogenic matrices). Product characterisation (Spectroscopy IR / UV-Vis, NMR, Chromatography, Neutron Scattering). Risk awareness.

#### Education :

2017- 2018 :	Master degree in Physical Chemistry (PCCP), University of Bordeaux <i>quantum chemistry, numerical methods, statistical thermodynamics.</i>
2017 :	Summer School, <i>Formation of complex molecules in space and on planets, from molecular clouds to life</i> , Tart, Estonia
2015- 2016 :	<b>Bachelor degree in Chemistry</b> , University of Bordeaux <i>analytical chemistry, advanced chemistry, retrosynthesis, Astronomy.</i>
2013-2015 :	<b>Two-year university degree in Chemistry</b> University of Bordeaux <i>organic, inorganic and physical chemistry, electromagnetism, thermodynamics, biology, geoscience, optics and mathematics.</i>
2011-2013 :	<b>Professional pharmacy dispenser certificate</b> at Hygie formation / pharmacy Lassabe (apprenticeship).
2009-2011 :	First year of medical school, Bordeaux
2009 :	Baccalaureat at Bernard Palissy High school, Agen

## Work experience :

*March-August 2017 :* Internship about the realisation of an experimental process to produce mm size  
*January-March 2018* amorphous solid water (ASW) particles.

*December 2016 :* Pharmacy dispenser at pharmacy Carnot, Agen

*August 2016 :* Pharmacy dispenser at pharmacy Deguin, Colayrac St Cirq

*April-June 2016 :* Internship on the study of interstellar ices using FTIR and UV-visible spectroscopies:  
formation of organometallic complexes of Fe/PAH at very low temperature.

*July 2014 :* Pharmacy dispenser at pharmacy Deguin, Colayrac St Cirq

*2011-2013 :* Pharmacy dispenser's apprentice at Pharmacy Lassabe, Blanquefort

## Miscellaneous :

Sports : Judo (brown belt), swimming, basket-ball

Hobbies : Music, Reading ...

Foreign languages : English (University level)

Other : Drivers licence