

Leo Blondel

Curriculum Vitae

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Education

- 2012–2013 **Master 2 in Systems Biology**, *Ecole Normal Supérieure (ENS) ULM*, Paris, France.
The ENS is the most prestigious French institution of higher education providing specialized training to student who will become researcher in their field.
- 2010–2011 **Master 1 in Developmental Biology**, *Ecole Normal Supérieure (ENS) ULM*, Paris, France.
- 2009–2010 **3rd year Licence in Biology**, *Ecole Normal Supérieure (ENS) ULM*, Paris, France.
equivalent to a Bachelor of Science
- 2007–2009 **1st and 2nd year of Licence in Biology**, *University of Science Montpellier 2*, Montpellier, France.
- 2006–2007 **1st year PCSI**, *Lycée Joffre*, Montpellier, France.
Intensive course preparing for the entrance exams of French elite schools like the ENS of Polytechnique) in Math, Physics, and Chemistry
- 2006 **Baccalauréat in Science, Major Biology**, *Lycée Jean Moulin*, Pézenas, France.
French equivalent to the High School Diploma

Master thesis

Title *Inference of WW domain Sequence-Function relationship using noisy and indirect measurements.*

Supervisors Aleksandra Walczak and Thierry Mora

Abstract Through the use of a protein display assay coupled with high-throughput sequencing and new inference techniques based on Information Theory we demonstrated the ability to infer an energy model (which considers each amino acid as independent) for the binding of the hYap65 WW domain, which recapitulates to a certain extent the thermodynamics laws of a binding event.

Research Experience

Vocational

- 2012–2013 **6 month Master 2 internship**, *Aleksandra Walczak team at the Laboratoire de Physique Théorique, Ecole Normal Supérieure (ENS) ULM, Paris, France.*
Topic: Inference of protein-ligand binding energy model using indirect measurement from high-throughput mutagenesis.
- 2011–2012 **6 month internship**, *Christoph Wierling laboratory, Max Planck Molgen Institute, Berlin, Germany.*
Topic: Inference of regulatory network using Motif based analysis and gene expression data.
- 2010–2011 **5 month Master 1 internship**, *Kevin Eggan laboratory, Harvard University, Boston, USA.*
Topic : Transdifferentiation prediction using gene regulatory networks and genetic algorithm and Functional co-culture of motor neuron and myotube
- 2009–2010 **3 month internship**, *Shin-Ichi Nishikawa laboratory, RIKEN Center for Developmental Biology (CDB), Kobe, Japan.*
Topic : Engineering of FLAG tagged humanLIF protein and human IPS Culture

Optional

- 2008–2009 **2 month internship**, *Olivier Coux laboratory, CNRS CRBM, Montpellier, France.*
Topic : Biochemistry of the ATPase ring of the eukaryotic 26S proteasome
- 2007–2008 **1,5 months internship**, *Eric Kremmer laboratory, CNRS IGMM, Montpellier, France.*
Topic : Introduction to laboratory work, and general immunology techniques

Seminar

- 2013 **LERU BRIGHT 2013 Workshop**, *Participant, Freiburg, Germany.*
- 2013 **Modelisation of Morphogenesis Workshop**, *Participant, Montpellier, France.*
- 2011 **International Society for Stem Cell Research (ISSCR) conference 2011**, *Attendee, Toronto, Canada.*
- 2010 **Annual seminar of the Japanese Society for Developmental Biology**, *Attendee, Kyoto, Japan.*
- 2010 **Biodiversity Seminar of the Academie des Sciences**, *Attendee, Paris, France.*
Equivalent the National Academy of Science
- 2009 **Annual seminar of the CRBM**, *Attendee, Montpellier, France.*
- 2008 **Annual seminar of the IGMM**, *Attendee, Montpellier, France.*

Work Experiences

- 2009–2011 **Gave private tuition to high school student in biology, math and physic**, Paris, France.
- 2008–2009 **2 month each year work at DoYouSoft**, *consumer support team*, Beziers, France.
DoYouSoft is a French Software development company
- 2007 **2 month work at Marie-Louise, bar restaurant**, *Waiter*, Marseillan, France.
- 2006 **1 month work at DoYouSoft**, *design team*, Beziers, France.
- 2005 **2 weeks in corn fields**, *sterilizing females corn plants*, Paulan, France.

Languages

French	Mother Tongue	
English	Fluent	<i>Extensive use of the English language, almost bilingual</i>
Japanese	Beginner	
Spanish	Beginner	
German	Beginner	

Computer skills

OS	Windows, OSX, Linux	Programming	Python, Bash, C++
Office Soft	Microsoft, and Open Office	Web	HTML, CSS, JS
Graphism	Photoshop, Inkscape	Math	Octave, R

Interests

Computer Science	Cinema
Literature	Photography
Sciences	Extreme Sports

References

- Aleksandra Walczak, PhD, Principal Investigator, ENS, Paris, France
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- Kevin Egan, PhD, Professor, Harvard, Boston MA, USA.
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- Shin-Ichi Nishikawa, MD PhD, Group Director, RIKEN CDB, Kobe, Japan
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- Michel Volovitch, PhD, Group Director and Professor, ENS, Paris, France.
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- Olivier Coux, PhD, Group Director, CNRS CRBM, Montpellier, France.
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- Franck Mennecher, PhD, Assistant Professor, CNRS IGMM, Montpellier, France.
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