

# Walid Abi Habib

## Curriculum vitae

### TEACHING AND RESEARCH EXPERIENCE

2015–2017 **University Lecturer**

Pierre et Marie Curie faculty of medicine  
Université Pierre et Marie Curie, Paris, France.

2012–2016 **Researcher**

Centre de Recherche Saint Antoine, INSERM U938, Paris (France)

**PhD project "identification of new molecular mechanisms related to human growth pathologies in Beckwith-Wiedemann and Silver-Russell syndromes: a genetic and epigenetic approach"**

2011–2012 **Research internship**

Université René Descartes (Paris V), Paris (France)

**Master project: LXR promotes myelination and remyelination of the central nervous system**

2010–2011 **Research internship**

Lebanese Tissue Bank- Université Saint Joseph, Beirut (Lebanon)

**Project: transcriptome and proteome analysis of the amniotic membrane and study of their therapeutic and anti-microbial effects in ocular pathologies.**

2009–2010 **Research internship**

Université Saint Joseph, Beirut (Lebanon)

**Project: Characterization of a new lebanese strain of Bacillus thuringiensis: cloning cry1A genes and studying the insecticidal Cry1A proteins.**

### EDUCATION AND TRAINING

2007–2010 **Bachelor degree in «biology and biochemistry»**

Université Saint Joseph, Beirut (Lebanon)

2010–2012 **Master degree in «structures and interactions of macromolecules and functional genomic»**

Université Saint Joseph, Beirut (Lebanon)

2012–2016 **FP7 Marie Curie ITN-Ingenium PhD training program**

Université Pierre et Marie Curie (Paris VI), Paris (France)

### PERSONAL SKILLS

Mother tongue(s) Arabic

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	C2	C2	C2	C2	C2
English	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

**Communication skills** Through my experience as a researcher and a PhD student in a European program, I have acquired good communication skills by discussing and presenting my work in scientific conferences and meetings in many countries

Working in different laboratories provided me excellent contact skills with my colleagues and people working in other laboratories that I have visited

During my PhD, I have supervised students during their bachelor/master internships and I had the opportunity to teach at the university, which helped me improving my communication skills

**Organisational / managerial skills** Working as a researcher in a PhD program helped me developing good organisational skills by carefully planning my projects.

I have also been responsible of organizing scientific seminars and student meetings, as well as practical work in the laboratory for medical school students during their master degree

**Job-related skills** I have acquired a number of techniques and skills related to the research field of biology, from the internships I have done since 2009 and as part of my FP7 training program during my PhD.

**Techniques:** Whole exome sequencing and RNA-sequencing data analysis, ChIP-sequencing, molecular biology analysis, DNA methylation analysis, Chromosome conformation Capture (3C), DNA/Proteins interaction techniques, cell culture (primary and ex vivo cultures), gene editing and expression (CRISPR/Cas9, knockdown, knock in) cell imaging (immunohisto/ cyto staining), animal experimentation, microbiology.

**Skills & Courses:** Scientific communication, writing a scientific manuscript, research ethics, computer skills (in silico predictions, statistical analysis)

## ADDITIONAL INFORMATION

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**Honours and awards** September 2015: Winner of a scholarship from the French Society of Pediatric Endocrinology and Diabetes, amounting to EUR 32 000.

January 2015: Obtaining grant research project of the Fondation Maladies Rares "High Throughput Sequencing and Rare Diseases"

July 2012: Winner of a European FP7 Marie Curie Actions scholarship

### **Publications** Published papers:

Beckwith-Wiedemann and Russell-Silver Syndromes: from new molecular insights to the comprehension of imprinting regulation. *Salah Azzi, **Walid Abi Habib** and Irène Netchine. Current Opinion in Endocrinology, Diabetes & Obesity 2014*

Extensive investigation of the IGF2/H19 imprinting control region reveals novel OCT4/SOX2 binding site defects associated with specific methylation patterns in Beckwith-Wiedemann syndrome. **Walid Abi Habib**, Salah Azzi, Frédéric Brioude, Virginie Steunou, Nathalie Thibaud, Cristina Das Neves, Marilyn Le Jule, Sandra Chantot-Bastarud, Boris Keren, Stanislas Lyonnet, Caroline Michot, Massimiliano Rossi, Laurent Pasquier, Christine Gicquel, Sylvie Rossignol, Yves Le Bouc, and Irène Netchine. *Human Molecular Genetics 2014*

Complex Tissue-Specific Epigenotypes in Russell-Silver Syndrome Associated with 11p15 ICR1 Hypomethylation. *Salah Azzi, Annick Blaise, Virginie Steunou, Madeleine D. Harbison, Jennifer Salem, Frédéric Brioude, Sylvie Rossignol, **Walid Abi Habib**, Nathalie Thibaud, Cristina Das Neves, Marilyn Le Jule, Cécile Brachet, Claudine Heinrichs, Yves Le Bouc, and Irène Netchine. Human Mutation 2014*

Exhaustive methylation analysis revealed uneven profiles of methylation at *IGF2/ICR1/H19* 11p15 loci in Russell Silver syndrome. *Salah Azzi, Virginie Steunou, Jörg Tost, Sylvie Rossignol, Nathalie Thibaud, Cristina Das Neves, Marilyne Le Jule, **Walid Abi Habib**, Annick Blaise, Yves Koudou, Florence Busato, Yves Le Bouc, Irène Netchine. Journal of Medical Genetics 2014*

Liver X Receptors differentially modulate central myelin gene mRNA levels in a region-, age- and isoform-specific manner. *Ghjuvan' Ghjacumu Shackelford\*, Julien Grenier\*, **Walid Abi Habib**, Charbel Massaad, Delphine Meffre. J Steroid Biochem Mol Biol. 2016*

11p15 ICR1 partial deletions associated with IGF2/H19 DMR hypomethylation and Silver-Russell Syndrome. ***Walid Abi Habib**, Frederic Brioude, Salah Azzi, Jennifer Salem, Cristina Das Neves, Claire Personnier, Sandra Chantot-Bastaraud, Boris Keren, Yves Le Bouc, Madeleine Harbison, Irene Netchine. Human Mutation 2016*

#### References

**Mireille KALLASSY AWAD, PhD**

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Sciences-Université Saint Joseph  
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**Irène Netchine, MD-PhD**

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Faculty of Medecine-Université Pierre et Marie Curie  
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**Yves Le-Bouc, MD-PhD**

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