

## Pia Chedid, MSc | PhD.

Lebanese / French, 33 years.

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### EDUCATION

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**2008-2012:** PhD in Physiology and Pathophysiology (with honors), *Université Denis Diderot*, Paris, France.

**2007-2008:** MSc in Nutrition, Metabolism and Cell signaling, *Université Denis Diderot*, Paris, France.

**2006-2007:** Master 1 in Infectiology, Microbiology, Virology and Immunology (IMVI), *Université Denis Diderot*, Paris, France.

**2003-2006:** BS in Life Sciences. *Université Saint Joseph*, Beirut, Lebanon.

### ACADEMIC EXPERIENCE

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**2014-Present:** Part-time Assistant Professor, Faculty of Health Sciences. *University of Balamand*, Achrafieh / Souk El Gharb, Lebanon.

**2008-2012:** Junior Lecturer, Faculty of Sciences. *Université Denis Diderot*, Paris, France

### RESEARCH EXPERIENCE

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**2017-present:** Research Projects Supervisor. Clinical Laboratory Sciences program, Faculty of Health Sciences, *University of Balamand*, Achrafieh, Lebanon.

➤ Projects (among others):

- Regulation of NADPH oxidase 2 (NOX2) by AMP-activated kinase in M2-type macrophages.
- Participation of dysbiosis in Irritable Bowel Syndrome (IBS) via the modulation of the intestinal epithelial barrier: regulation of ROS production, zonulin and NOX enzymes expression.

**2013:** Research Engineer, Centre de Recherche sur l'Inflammation (CRI), French Institute of Health and Medical Research, *Université Denis Diderot*, Paris, France.

➤ Project: Identification of AMP-activated kinase as a regulator of phagocytic NADPH oxidase.

**2008-2012:** Graduate studies at UMR\_S1149 CNRS ERL 8252, Centre de Recherche sur l'Inflammation (CRI), Faculty of Medicine, *Université Denis Diderot*, Paris, France.

➤ Project: Inflammatory Chronic Diseases: regulation of phagocytic NADPH oxidase by adiponectin, an emerging immune modulator.

**2007:** Erasmus Intern at Cell Biology Institute, *Swiss Federal Institute of Technology (ETH)*, Zurich, Switzerland.

➤ Project: Lipolysis pathway: establishing a targeted approach to detect phosphorylation of ATGL, HSL, MGL, and CGI-58.

**2006:** Summer Intern at Myology Group, UMR S787 Inserm, *Universités Denis Diderot / Pierre et Marie Curie*, Paris, France.

➤ Project: Evidence of mesenchymal cells involvement in the improvement of cardiac function in an experimental model of cardiac ischemia.

## PUBLICATIONS

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1. **Chedid P**, Salami A, El Shamieh S. Journal of cardiovascular development and disease. 2020 (in press)
2. El Shamieh S, Salami A, Stathopoulou M G, **Chedid P**, Visvikis-Siest S. Increased risk of hypercholesterolemia in a French and Lebanese population due to an interaction between rs2569190 in CD14 and gender. *Clinica Chimica Acta* 2020 509 172-176.
3. **Chedid P**, Nasser M, Salami A, Khalifeh M, El Shamieh S, Joumaa WH. Dataset on significant role of Candesartan on cognitive functions in rats having memory impairment induced by electromagnetic waves. *Data in brief*. 2018 Dec; 21: 2390–2394.
4. Ghssein G, Salami A, Salloum L, **Chedid P**, Joumaa WH, Fakh H. Surveillance Study of Acute Gastroenteritis Etiologies in Hospitalized Children in South Lebanon (SAGE study). *Pediatr Gastroenterol Hepatol Nutr*. 2018 Jul;21(3):176-183. doi: 10.5223/pghn.2018.21.3.176.
5. **Chedid P**, Boussetta T, Dang PM, Belambri SA, Marzaioli V, Fasseau M, Walker F, Couvineau A, El-Benna J, Marie JC. Vasoactive intestinal peptide dampens formyl-peptide-induced ROS production and inflammation by targeting a MAPK-p47<sub>phox</sub> phosphorylation pathway in monocytes. *Mucosal Immunol*. 2017 Mar;10(2):332-340.
6. **Chedid P**, Hurtado-Nedelec M, Marion-Gaber B, Bournier O, Hayem G, Gougerot-Pocidal MA, Frystyk J, Flyvbjerg A, El Benna J, Marie JC. Adiponectin and its globular fragment differentially modulate the oxidative burst of primary human phagocytes. *Am J Pathol*. 2012 Feb;180(2):682-92.
7. Krimi RB, Letteron P, **Chedid P**, Nazaret C, Ducroc R, Marie JC. Resistin-like molecule-beta inhibits SGLT-1 activity and enhances GLUT2-dependent jejunal glucose transport. *Diabetes*. 2009 Sep;58(9):2032-8.

## RESEARCH GRANTS

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- 2018-2020:** Grant-Research Program (GRP) from CNRS-L / UoB – (25K\$ over 2 years).  
**2018-2019:** Research grant from Agence Universitaire de la Francophonie (AUF) – (6K\$ over 2 years).  
**2008-2012:** PhD and Junior Lecturer Grant from French Government.

## SELECTED CONFERENCES

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- 2018:** LAAS International Science Conference – *University of Balamand*, Al Kurah, Lebanon.  
**2017:** European Society for Clinical Investigation (ESCI), Phagocyte Biology – Genoa, Italy.  
**2011:** International conference on NADPH oxidases – Grenoble, France.  
**2010:** European Society for Clinical Investigation (ESCI), Phagocyte Biology – Bari, Italy.

## PEER REVIEW ACTIVITIES

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- 2018:** Clinical and Experimental Immunology.

## ACADEMIC JURY MEMBER

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- 2018:** Regulation of NADPH oxidase 2 (NOX2) by adenosine monophosphate-activated kinase (AMPK) in M2-type macrophages. Elia Raya. Faculty of Health Sciences, *University of Balamand*.  
**2018:** Vitamin E decreases aphidicolin and hydrogen peroxide-induced DNA breakages at the lymphocytic fragile site FRA16D. Catiana El Kharef. Faculty of Sciences, *University of Balamand*.

## TECHNICAL EXPERIENCE

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### **Biochemistry:**

Proteins extraction (RIPA / Laemmli buffer)  
Proteins separation by SDS-PAGE  
Detection of phosphorylated proteins by Western blot  
Measurement of reactive oxygen species (ROS)  
ARNm extraction and quantification by qPCR  
Quantification of proteins expression at the membrane by Flow Cytometry

### **Cell Biology:**

Leukocytes isolation from total blood (One-step gradient centrifugation using Polymorphoprep and Ficoll / Negative or positive selection by magnetic cell isolation)  
Cell Culture (leukocyte cell lines THP-1, MM6 et HL60)  
Transfection (siRNA) of primary leukocytes by Amaxa technique

### **Microscopy:**

Confocal Microscopy

### **In vivo models**

Mice models of inflammation

## TRANSFERABLE SKILLS

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### **Analysis & Problem-solving**

Define problem and identify possible causes  
Comprehend large amount of information

### **Project Management & Organization**

Teach concepts to others  
Manage projects from beginning to end  
Identify a realistic timeline for completion  
Prioritize tasks

## TEACHING ACTIVITIES

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### **University of Balamand**

#### **Undergraduate courses:**

Medical Laboratory, Nursing and  
Pre Med students  
- Physiology  
- Pathophysiology

### **Université Denis Diderot**

#### **Undergraduate courses:**

Biochemistry students  
- Practical Enzymology  
- Proteins, Enzymology, Metabolism

## LANGUAGE

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English: Full professional proficiency  
Arabic: Native

French: Native  
Spanish: Basic