











## **Final Report**

(The 4th Wael Al-Mahmeed & IAS Research Training Grants and Fellowships for the MENA Region & Africa project)- Carine Ayoub

Dear Sir or Madam,

I am pleased to inform you that I have successfully completed my postdoctoral research at UMR\_S1166 ICAN Laboratory located at the Faculty of Medicine of Sorbonne University, Paris, France, thanks to the "the 4th Wael Almahmeed and IAS Research Training Fellowship Grants for the MENA Region & Africa for 2022" grant.

The project entitled "Lipidomic Investigations in Lebanese Patients with dyslipidemia especially Familial Hypercholesterolemia (FH)" was conducted under the supervision of Dr Wilfried LEGOFF at the UMR\_S1166 ICAN laboratory, Faculty of Medicine of Sorbonne University in France and Pr Marianne ABI FADEL at the Laboratory of Biochemistry and Molecular Therapeutics at the Faculty of Pharmacy at Saint-Joseph University in Lebanon.

Over the past six months, my time at UMR\_S1166 ICAN laboratory has been exceptionally productive and rewarding. Thanks to this grant, I was able to collaborate closely with the brilliant researchers at the laboratory in better investigating FH and dyslipidemic patients, and to acquire invaluable insights into new techniques and methodologies in my field. I want to express my deepest gratitude to my supervisor at the host laboratory, Dr Wilfried LEGOFF, for being a wonderful source of help by his invaluable assistance and continuous support, and for sharing with me his expertise in the field of dyslipidemias during my fellowship.

This collaboration has not only strengthened the ties between the team of Pr. Marianne ABI FADEL at Saint-Joseph University of Beirut, Lebanon and the team of Dr Wilfried LEGOFF at UMR\_S1166 ICAN, France, but has also significantly enhanced my professional growth. The knowledge and experience gained during my fellowship have broadened my understanding of dyslipidemias, especially FH and their associated cardiovascular diseases, and have paved the way for innovative research in the future.

I am genuinely grateful for the opportunity that the IAS has given me, and I look forward to sharing the outcomes of my research with you when completed. I would like to extend my deepest appreciation to the IAS Fellowship Directors for believing in my research and contributing to the advancement of science and technology. Your support had a great impact in the success of my postdoctoral journey.

Respectfully,

Carine Ayoub













Dear Sir or Madam,

I am pleased to confirm that the Dr. Carine AYOUB has successfully completed her postdoctoral research in my UMR\_S1166 ICAN Laboratory located at the Faculty of Medicine of Sorbonne University, Paris, France thanks to the "the 4th Wael Almahmeed and IAS Research Training Fellowship Grants for the MENA Region & Africa for 2022" grant. During this 6 month period, she worked on a project entitled "Lipidomic Investigations in Lebanese Patients with dyslipidemia especially Familial Hypercholesterolemia (FH)" under my supervision at the UMR\_S1166 ICAN laboratory, Faculty of Medicine of Sorbonne University in France and that of Pr Marianne ABI FADEL at the Laboratory of Biochemistry and Molecular Therapeutics at the Faculty of Pharmacy at Saint-Joseph University in Lebanon.

It was a great pleasure for me to host the Dr. Carine AYOUB in my laboratory in which she did an amazing work. Her professionalism, her seriousness, her human qualities and her high expertise in the research field were essential assets in the realization of this project. During the past 6 months, she was an essential member of our laboratory in which she was greatly appreciated. There is no doubt that she strongly strengthened the close links between our two research teams in France and Lebanon.

Very kind regards,

Wilfried LE GOFF