

# Marion Bourdens

LAB MANAGER



**DIVA**  
EXPERTISE



By I Feel Good event

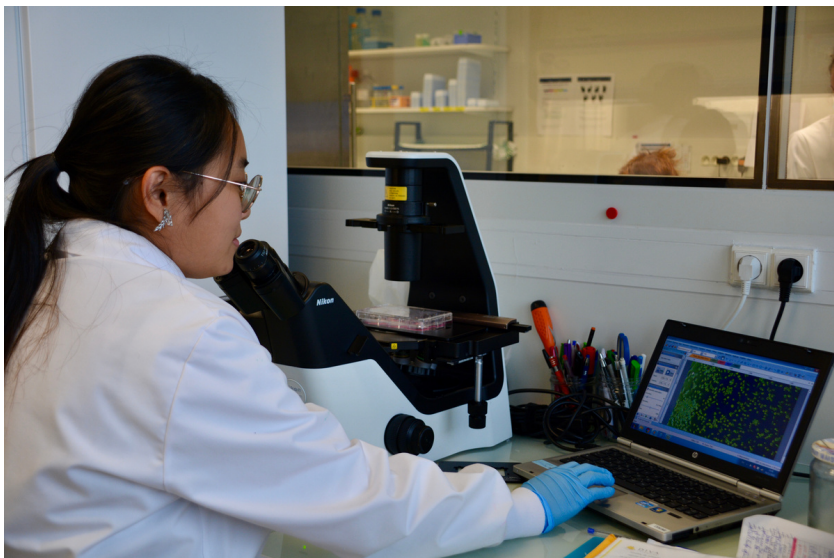
Experience

## Tell us about yourself and your journey?

I have been a project manager and laboratory manager at DIVA Expertise for over 4 years now. With previous experience in public research on human adipose tissue, I now put my expertise and skills at the service of manufacturers to evaluate the effects of their active ingredients on in vitro human adipocyte models.

## Tell us about DIVA Expertise and your missions?

DIVA Expertise is celebrating its 8th anniversary this year! We are the preferred partner for applied research on human adipose tissue and the hypodermis.



We support manufacturers in the development of their health and beauty products on several axes, from preclinical tests to clinical support. Our main mission is to propose a global approach to quality applied research ranging from cells to humans.

## What are your different sectors of expertise?

Our different sectors of expertise are cosmetics, nutraceuticals and nutricosmetics, pharmaceuticals, dermatology and aesthetics. Indeed, our different in vitro models make it possible to evaluate the effects of active ingredients in all these sectors of activity, due to the role of adipose tissue in the storage and release of lipids from the human body (slimming applications, cellulite, prevention of weight gain, overweight, obesity, diabetes, associated metabolic diseases, etc.) as well as its role in the good health of the skin because it constitutes the 3rd skin layer, the hypodermis (anti-aging skin applications).

## Tell us about the different services offered?

Our services range from the transfer of biological resources from our large bio-bank of human samples; the development of tailor-made models; the evaluation of the biological effects of active ingredients on our various in vitro human adipocyte models and personalised support from preclinical tests to the coordination of clinical trials on volunteers with our partners.

## Can you tell us more about the tailor-made solutions, which are also offered by your company?

In addition to our routine models already developed and proven, we also offer manufacturers the opportunity to innovate with them by developing new cellular models or studying new biological targets according to their needs.

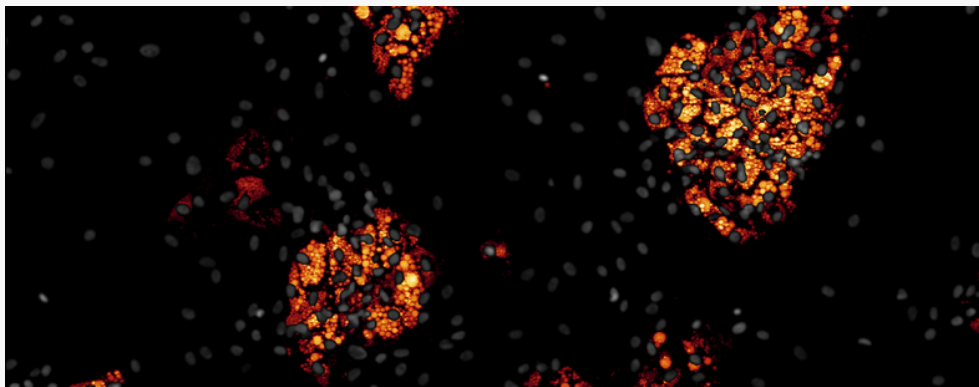
Thanks to our expertise, our know-how and our large bio-bank of human samples, we offer tailor-made studies to our clients according to their problems. We are open to all requests and we love challenges!



## **Why study adipose tissue? Why is it important ?n quoi est-ce important ?**

Adipose tissue plays a central role in the human body. It has long been studied for its main role in storing and releasing lipids and is therefore at the heart of the problems of overweight, obesity, diabetes and associated metabolic diseases, which are unfortunately increasingly prevalent in the world. whole these days.

But adipose tissue also plays a vital role in the good health of the skin because it constitutes the 3rd skin layer, the hypodermis. During aging its physiology is modified leading to an alteration of the skin. It is therefore important to innovate by including the hypodermis in the evaluation of anti-aging active ingredients, for example. Finally, the endocrine function, i.e. secretion, of adipose tissue is now well described and places it at the heart of a real communication network between the different organs by actively participating in the control of metabolic homeostasis. of the organism.



## **Tell us more about your scientific council?**

We have a real mission to support our customers. We take the time to explain in detail the role of adipose tissue and our different in vitro models. We adapt the study to the problems and questions of manufacturers and thus construct a tailor-made study. We can also carry out bibliographic studies on active ingredients, for example, to better prepare for the preclinical study. We also offer to analyse preliminary data and other studies to build coherent and quality R&D. We then carry out real quality monitoring of the study with regular reporting by meetings or emails. The end of the study is closed with a very comprehensive report and a meeting to present the results. Finally, we propose to help manufacturers promote the results obtained by participating in the writing of scientific articles, posters or the oral presentation of the results at scientific conferences or for webinars. We therefore offer a complete consulting service from the construction of the study to the valorisation of the results.

## What makes DIVA Expertise strong?

Our strength lies in our expertise, our responsiveness, our tailor-made support and the quality of our studies and discussions.

## What did you present to I FEEL GOOD visitors for this new edition?

Last year we presented at I FEEL GOOD the role of adipose tissue and our different adipocyte models during a conference. This year we highlighted the research partnership that we created with Anti-Oxidant Power, a Toulouse research CRO specializing in the assessment of oxidative stress using patented technology. We are therefore in the process of co-developing the assessment of oxidative stress in our adipocyte models. We therefore propose to evaluate the anti-oxidant power of active ingredients, an essential property in the development of beauty and health products, in our adipocyte models in addition to our classically evaluated parameters.

