

THE METABOLIC DISEASES EXPERTS





We are

An **expert preclinical CRO** delivering services for metabolic disorders and dedicated R&D studies to evaluate your drugs targeting, founded in 2003. We offer a wide range of tests to demonstrate the effectiveness of our clients' drug candidates.

ABOUT 20 YEARS OF EXPERTISE

specializing in obesity, type 2 diabetes, MASH / MetALD, Fibrosis, diabetic nephropathy, neuropathy, metainflammation, dyslipidemia and cardiovascular diseases for preclinical drug development, post launched studies and consulting.

We built our expertise over the years by developing innovative and predictive animal nutritional models to accelerate your drug discovery.



More than 10 of top 15 international biotech and pharma companies choose Physiogenex and gave the best chance of success to their lead compounds



Physiogenex and Cardiomedex

Innovative twin sister-CRO companies to evaluate your drugs on cardiometabolic disorders

Physiogenex



- Physio-pathological predictive models
- Customized preclinical pharmacology studies
- In vitro, ex vivo, in vivo exploration

Diabetes Cardio-renal disorders Jetal Obesity dyslipidemia atherosclerosis



Benefits of our synergies

INVENTIVA AND LANIFIBRANOR: an example of unique synergy between Physiogenex and Cardiomedex

HIGH-VALUE RESULTS

Lanifibranor improves NASH, fibrosis and diastolic dysfunction in a Golden Syrian hamster model of diet induced obesity and NASH.

This **new study realized at Physiogenex** generated data that further support the development of Lanifibranor as a treatment for patients with NASH who are at cardiometabolic risk.

This leading anti-NASH drug is now evaluated in phase III (NATiV3).



A management team of experience & expertise



Thierry Sulpice, Ph.D

CEO, CSO, Founder

- 9 years at Sanofi Aventis
- In charge of drug discovery optimization and preclinical development for projects targeting the cardiometabolic syndrome.
- PhD in Physiology and Pharmacology University of Grenoble, France.
- Founder and CEO/CSO of Cardiomedex



François Briand, Ph.D

Director, Research and Business Development

- Expert in metabolic diseases since 2007.
- Worked with Novo Nordisk during his PhD in Nutrition and Metabolism, and with Glaxo Smith Kline and Merck as a postdoctoral fellow with Dr. Dan Rader at Upenn, Philadelphia.



Highly skilled metabolic disease experts working towards innovation, client satisfaction and quality compliance



Estelle Grasset, Ph.D - Project Manager



Natalia Breyner, Ph.D – Project Manager



Claire Bigot, Ph.D, Pharm.D - Project Manager, BD



Pr. Rémy Burcelin - Scientific expert consultant



Emmanuel Brousseau – Team manager



Marjolaine Quinsat – Animal welfare manager





Julie Arasse – Administrative department manager











Translational data: Derisk your drug efficiently and early.



Innovative animal models developed to optimize and expedite your drug efficacy studies



Physiogenex

Platform To fully characterize your drug candidates mechanism of action and efficacy



+ 50 publications demonstrating Physiogenex expertise in high impact scientific journals

European Journal of Pharmacology 860 (2019) 172537

Contents lists available at ScienceDirect

journal homepage: www.elsevier.com/locate/eipha

Nephropathy in diabetic db/db mice is accelerated by

Sisse Andersen Nørgaard^{a,c,1,*}, François Briand^{b,1}, Fredrik Wolfhagen

Elisabeth Douglas Galsgaard^a, Henrik Søndergaard^a, Dorte Bratbo Sø

^c Department of Veterinary Disease Biology, University of Copenhagen, Grønnegårdsvej 15, 1870, Frederiksberg C, Denr

improved by the SGLT2 inhibitor dapagliflozin

^b Physiogenex S.A.S, Prologue Biotech, 516 rue Pierre et Marie Curie, 31670, Labège, France

^a Pharmacology, Novo Nordisk A/S, Novo Nordisk Park, Måløv, Denmark

Full length article

2032



Diabetes 2016;65:2032-2038 | DOI: 10.2337/db16-0049

+150 POSTERS and TALKS

in international conferences

adau adda

To make our innovative new services and models known for your drug evaluation success, early.



Lanifibranor improves NASH, fibrosis and diastolic dysfunction in a hamster preclinical

model of diet induced NASH Wettstein G¹, Briand F², Sulpice T², Junien JL¹, Broqua P

3-RESULT:

PAASLD

1-INTRODUCTION

ASH. The NATIVE phase 2b trial (NCT03008070) in nor

Physiogenex

inventiva



High success rate customer satisfaction over the last 4 years: 97.5%

« I can't thank you enough for all your great work and support! It was really nice collaborating with you all and I am very much looking forward to the next collaboration with you! »

- US Pharma customer

« Great working with Physiogenex: great competence in the area, straight answer and very good team available to support all our needs » – European biotech customer

> "Once again, I would like to appreciate for all your assistance during the study execution and all technical issues that Physiogenex experts helped us to understand. Physiogenex is a very strategic partner and in the future, we certainly will consider you to perform our preclinical studies." – South American Pharma customer

When is your turn?

"Excellent scientific advice provided for the study design. Studies tailored for small biotechs with limited budget. Timelines met, rigor in execution. Indeed a great partner for drug development in the metabolic disease area." – US biotech customer

"High level of expertise and timely discussions duringthe study plan and execution Very co-operative" – India Pharma customer

"We really appreciate what you did for our study. A new assay development was successful. The study report was well-documented." – Korean Pharma customer

What if we work together? Major steps ahead



Physiogenex

• Study design

Quotation and study confirmation

- Discussion with our experts to setup the best cost-effective study design for your drug efficacy project
- 2. An experimental design and quotation are then proposed with study timelines
- 3. Upon you agreement, a study plan is issued and once signed your study starts (2-3 weeks average)



Study run

- Studies led by a dedicated project manager
- Fast and efficient communication: Weekly follow-up
- Raw data delivered as soon as available



Study report

- A clear description of your study results provided on Word format for your review
- Includes statistical analysis, data expertise and recommendations to go further with your drug development
- Reporting includes qualitycontrolled data on Excel format, statistics (GraphPad)



Partening with us to launch Your new therapies successfully

Obesity - Type 2 diabetes - Dyslipidemia MASH/MetALD - Diabetic nephropathy & neuropathy, dyslipidemia, atherosclerosis and HFpEF

- Over **20 years of experience/expertise** in drug development with major pharmas & biotechs
- 97.5% customer satisfaction rate
- Unique, translational preclinical models published in major scientific journals
- Time and cost-effective preclinical studies to reach the clinical stage development
- High added value partnering with Cardiomedex
- As R&D studies providers we propose and set-up dedicated tolls/animal models to target your needs





Physiogenex and you



business@physiogenex.com



www.physiogenex.com



