InnoSer and Inficure Bio enter partnership to increase accessibility of translational liver inflammation & fibrosis mouse model

InnoSer and Inficure Bio are announcing a strategic partnership to offer Inficure Bio's spontaneous liver inflammation & fibrosis mouse model (NIF mouse) as part of InnoSer's expanding cardiometabolic services portfolio.

Various pathological processes can lead to liver fibrosis and cirrhosis e.g., viral or bacterial infections, alcoholic liver disease (ALD), nonalcoholic steatohepatitis (NASH), metabolic associated fatty liver disease (MAFLD), or autoimmune hepatitis (AIH). The nonobese diabetic inflammation and fibrosis (NIF) mouse model allows researchers to study key pathological processes of these indications and is a pivotal tool to more effectively validating new drugs against liver inflammation and fibrosis.

''Our motto 'a smart road to better health' signifies the aim to provide our customers with high-quality research models that support drug development in disease areas that have an enormous unmet medical need. As such, the NIF mouse model provides a valuable addition to the InnoSer portfolio of cardio-metabolic services. InnoSer hopes to increase the accessibility of this valuable NIF model and further strengthen its proposition by combining it with InnoSer's drug development platform capabilities including histopathology and bioanalytical services"

– Jan Bartels, InnoSer CEO.

The NIF Model

In the NIF model, a transgenic NKT cell population induces spontaneous early onset liver fibrosis, preceded by chronic inflammation. The inflammatory/fibrotic phenotype of the NIF mouse shows large similarities with human NASH/MAFLD, including hepatic stellate cell and NLRP3 inflammasome activation.

The combination of early onset inflammation and fibrosis and 100% phenotype reproducibility makes the NIF mouse an excellent model for efficacy testing of drugs that target these events. Because of the model's unique development of inflammation/fibrosis that is not preceded by metabolic stress, the NIF mouse allows researchers to separate potential immunological effects from metabolic effects.

InnoSer's additional services, such as histopathology services, provide researchers with additional tools to gain deep insight into key molecular steps in liver inflammation and fibrosis in relation to their compound's mode of action.

Great opportunity for InfiCure Bio

"The collaboration with InnoSer is a great opportunity both for InfiCure as a company, but also for clients all over the world since it will increase the possibilities to use our NIF mouse for efficacy testing."

– Sofia Mayans, InfiCure Bio CEO.

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About InnoSer

Founded in 2012, InnoSer is an innovative and dynamic contract research organization supporting preclinical development of drugs from its facilities in Belgium and the Netherlands.