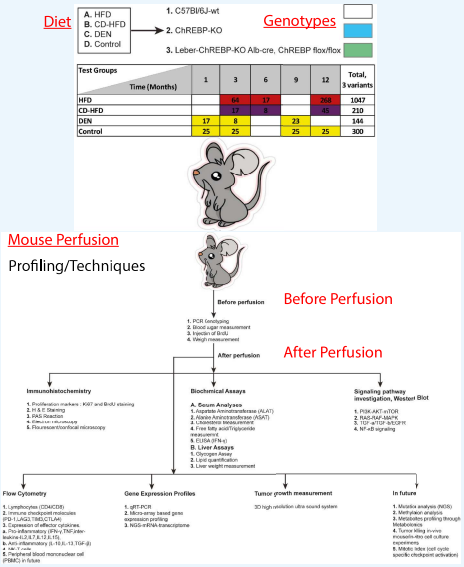
Institut für Pathologie

Universitätsmedizin Greifswald

Friedrich-Loeffler-Str. 23e, 17475 Greifswald

Director: Prof. Dr. Frank Dombrowski

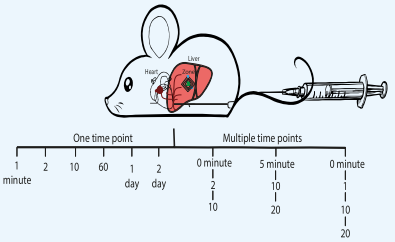
Experimental Design: based on Mouse Genotypes & Diet



Test Groups / Time (Months)	1	3	6	9	12	Total, 3 variants
HFD		64	17		268	1047
CD-HFD		17	8		45	210
DEN	17	8		23		144
Control	25	25		25	25	300

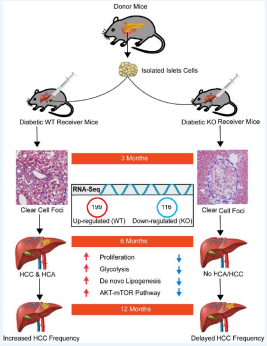
Recent Publications from our Group

Subcellular Hepatocellular Alterations in Mice Post Hydrodynamic Transfection



Mohd Yasser et. al Cancers 2023, 15(2), 328; https://doi.org/10.3390/cancers15020328

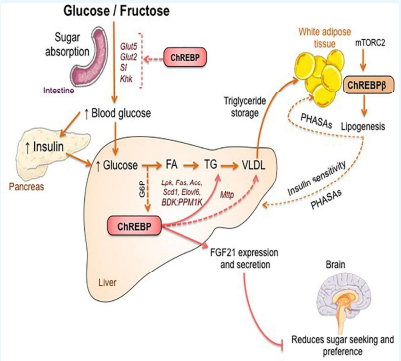
Hormonally induced Hepatocarcinogenesis in Mice Pancreatic Islet transplantation model



V. Nuernberger....Mohd Yasser et al. Cells 2021, 10(10), 2787; https://doi.org/10.3390/-

Ongoing Projects from our Group

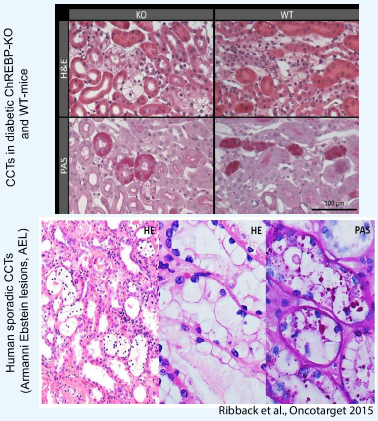
ChREBP (Carbohydrate responsive element binding protein)



https://doi.org/10.3389/fgene.2019.00472

Role of ChREBP in Nephrocarcinogenesis

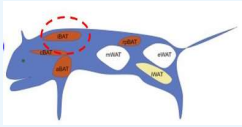
To study Mice Glycogen storing Renal, clear cell tubules (CCT) in Diabetic ChREBP-KO & WT-mice



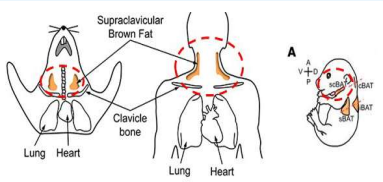
Ribback et al., Oncotarget 2015

Role of Brown Adipose Tissue (BAT) in the Metabolic crosstalk

iBAT (Interscapular BAT)

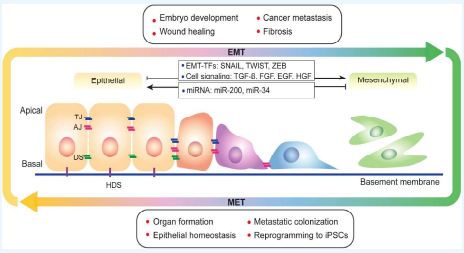


scBAT (Supraclavicular BAT)



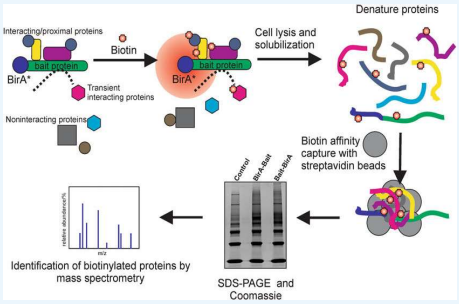
https://doi.org/10.1172/jci.insight.93166

Role of Epithelial to Mesenchymal Transition (EMT) in the development of Hepatocarcinogenesis



https://doi.org/10.3389/fcell.2020.00760

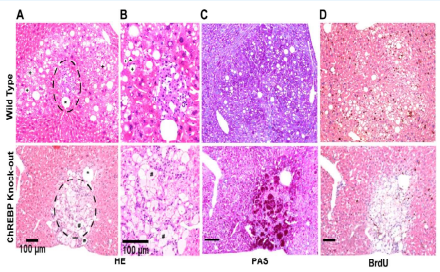
Protein-Protein Interaction Model (Bio ID) to identify Binding partners of Glycogen associated protein



https://doi.org/10.1007/978-1-4939-9814-2_19

Proteomic Profiling of Glycogen rich - CCF (Clear cell foci) Hepatic lesions

- Hormonally Induced HCC leads to CCF of Altered Hepatocytes
- WT and KO CCF display distinct morphological alterations



V. Nuernberger....Mohd Yasser et al. Cells 2021, 10(10), 2787; https://doi.org/10.3390/-

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DFG Deutsche Forschungsgemeinschaft

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