

Project 8 - Pfeifer lab



Univ.-Prof. Dr. Alexander Pfeifer¹

University of Bonn, University Hospital

Institute of Pharmacology and Toxicology

BMZ 2G014/15

Sigmund-Freud-Str. 25

D-53127 Bonn

Phone: 0228/287-51300

Fax : 0228/287-51301

Mail : alexander.pfeifer@uni-bonn.de

Gq-dependent signaling in adipose tissue - focus on brown adipocytes

Team members

N.N.

Publications

Kuschak M, Namasivayam V, Rafehi M, Voss JH, Garg J, Schlegel JG, Abdelrahman A, Kehraus S, Reher R, Küppers J, Sylvester K, Hinz S, Matthey M, Wenzel D, Fleischmann BK, Pfeifer A, Inoue A, Gütschow M, König GM, Müller CE. (2020) *Cell-permeable high-affinity tracers for G_q proteins provide structural insights, reveal distinct binding kinetics and identify small molecule inhibitors*. **Br J Pharmacol.** doi: 10.1111/bph.14960. Epub 2020 Feb 11. PMID: 31881095; PMCID: PMC7070167. 

Annala S, Feng X, Shridhar N, Eryilmaz F, Patt J, Yang J, Pfeil EM, Cervantes-Villagrana RD, Inoue A, Häberlein F, Slodczyk T, Reher R, Kehraus S, Monteleone S, Schrage R, Heycke N, Rick U, Engel S, Pfeifer A, Kolb P, König G, Bünemann M, Tüting T, Vázquez-Prado J, Gutkind JS, Gaffal E, Kostenis E (2019) *Direct targeting of Gαq and Gα11 oncoproteins in cancer cells* **Sci. Signal.** doi: 10.1126/scisignal.aau5948 

Klepac K, Kilic A, Gnad T, Brown LM, Herrmann B, Wildermann A, Balkow A, Glöde A, Simon K, Lidell ME, Betz MJ, Enerbäck S, Wess J, Freichel M, Blüher M, König G, Kostenis E, Insel PA and Pfeifer A (2016); *The Gq signalling pathway inhibits brown and beige adipose tissue*, **Nat commun**, 7, 10895, doi: 10.1038/ncomms10895



Links

1. <http://www.pharmakologie.uni-bonn.de/Forschung/ag-pfeifer>