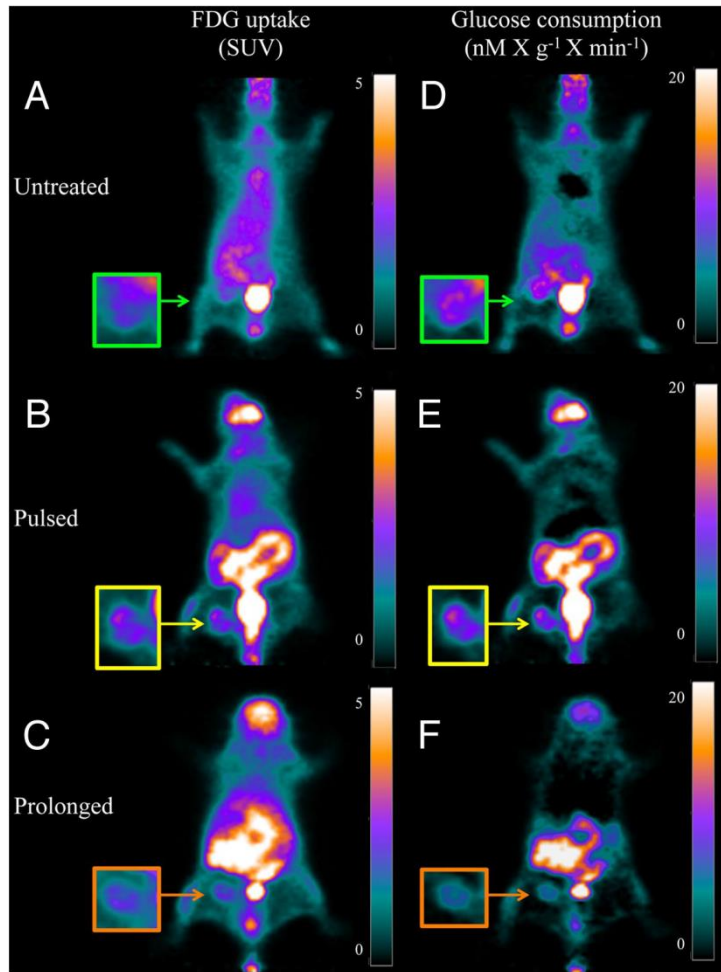


Albira 18F-FDG PET - Metformin-mechanism of action



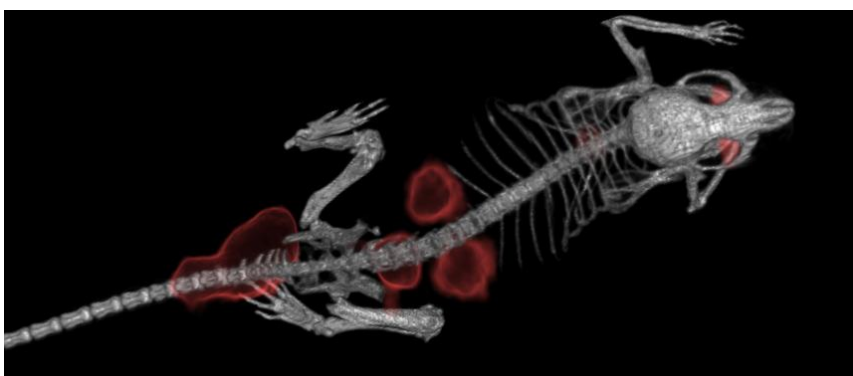
Metformin treatment and therapeutic response in xenograft MDA-MB-231 breast cancer model

- Decreased tumor volume with prolonged treatment
- No difference in standard 18F-FDG SUV
- Significant change in glucose consumption with prolonged treatment

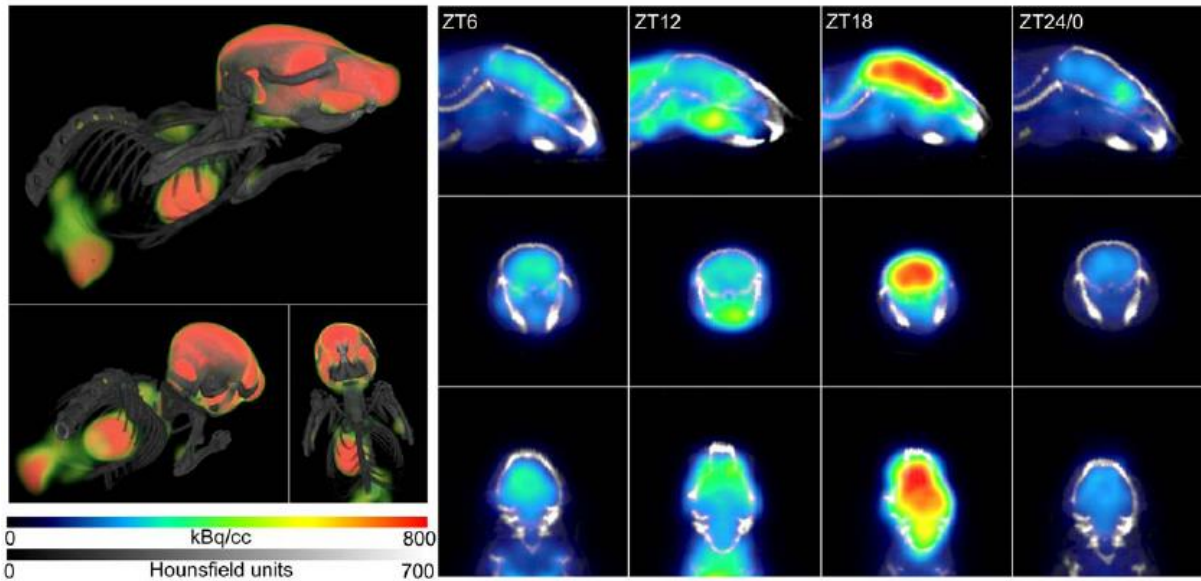
Imaging Methods & Analysis:

- PET IV 3-4 Mbq 18F-FDG/50 min listmode
- PMOD PKIN module
 - Glucose consumption estimated using
 - Gjedde-Patlak graphical analysis

Albira 18F-FDG PET - Oncology-detection of tumors in living animals



Albira 18F-FDG PET - Temporal brain imaging

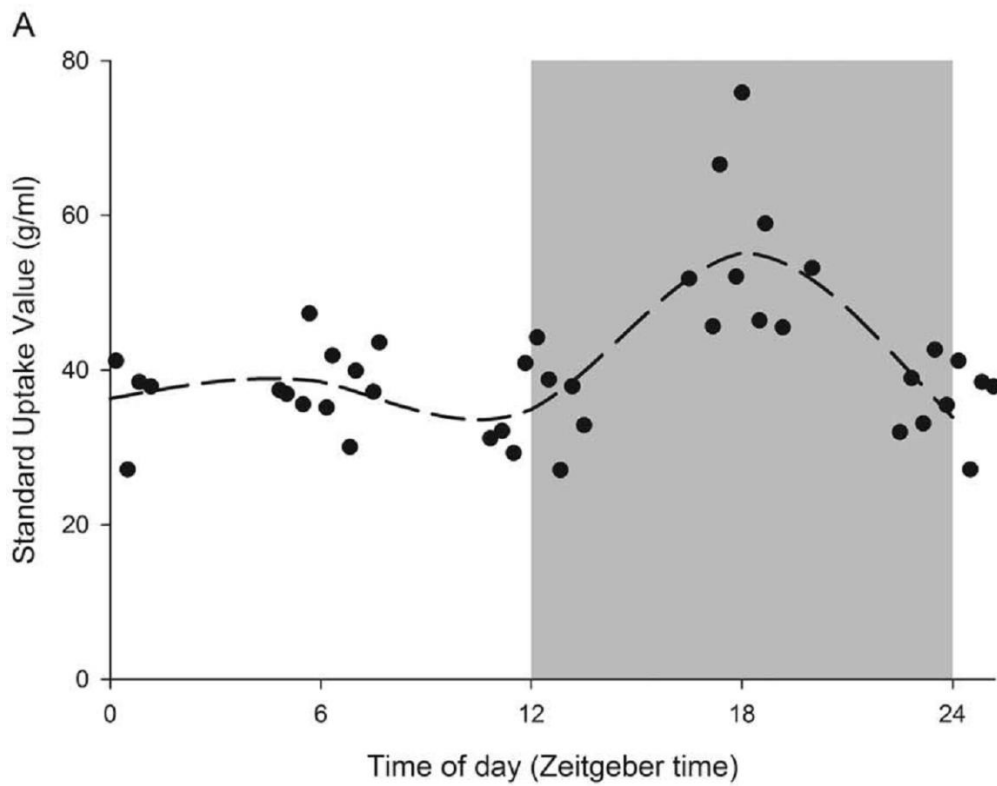


18F-FDG PET imaging reveals high nocturnal brain metabolic activity in mice

C57BL/6 mice imaged over 24 hour periods

12:12 LD for 3 weeks

Imaged at Zeitgeber time 6, 12, 18 and 24 hours

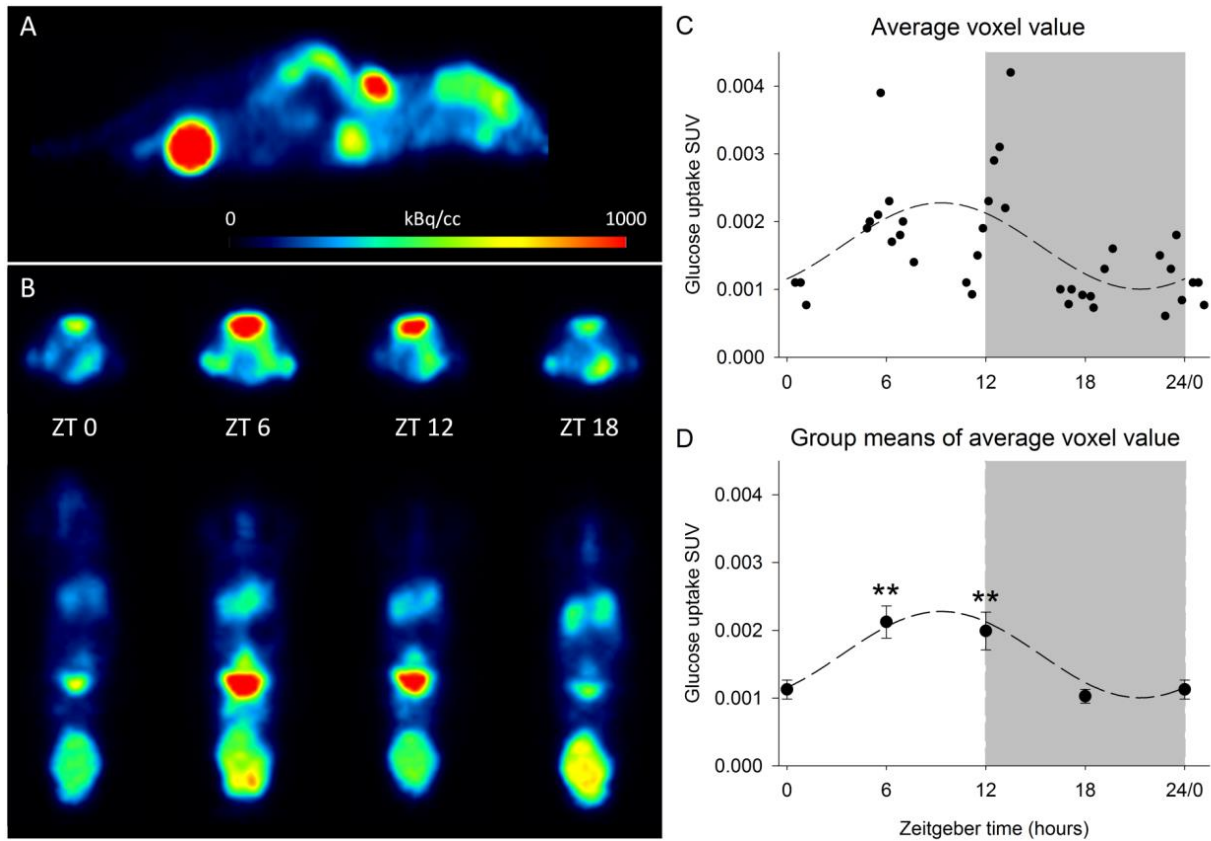


Imaging Methods & Analysis:

PET 200 μ Ci 18F-FDG 30 min

Analysis PMOD Fusion Brain Atlas

Albira 18F-FDG PET - Temporal imaging of brown adipose tissue in mice



18F-FDG PET imaging reveals low nocturnal BAT metabolic activity in mice

- C57BL/6 mice imaged over 24 hour periods
 - 12:12 LD for 3 weeks
 - Imaged at Zeitgeber time 6, 12, 18 and 24 hours

Imaging Methods & Analysis:

- PET 200 μ Ci 18F-FDG 30 min
 - Analysis PMOD SUV (g/mL)
- CT
 - 250 μ M voxels