**Timelapse-Morphometry**

For pre-clinical (microCT) and clinical data (HR-pQCT)

PRE-CLINICAL

Executes time-lapse morphometry evaluation for cortical and/or trabecular bone. Optimized for the mouse tibia. Conceptualized by Bettina Willie, written by Annette Birkhold in 2011, and functionalized by Maximillian Rummler and Isabela Vitienes.

The code was further functionalized in 2022 by Sarah Young and Hubert Taïeb.

When used please reference:

* For cortical bone analysis: Birkhold A, Razi H, Duda GN, Weinkamer R, Checa S, Willie BM, Mineralizing surface is the main target of mechanical stimulation independent of age: 3D Dynamic in vivo Morphometry, Bone, 66:15-25, 2014
* For trabecular bone analysis: Birkhold A, Razi H, Duda GN, Weinkamer R, Checa S, Willie BM, The influence of age on adaptive bone formation and bone resorption, Biomaterials, 35(34):9290-9310, 2014

When used in version of 2022 please also reference:

For both cortical and trabecular bone analysis: (in revision)