**DATASET DESCRIPTION**

1. This dataset was recorded from 4 rhesus monkeys in 11 sessions, see [1] for details.

2. Data of session N is placed in a folder SessionN.

3. Data for sessions 1-8 consist of four files:

**SessionN.bin** - raw colour signal data in binary file, in format

r1 g1 b1 r2 g2 b2 r3 b3 g3…,

where (r1, g1, b1) are values of red, green and blue colour, respectively, averaged over ROI for the first frame; (r2, g2, b2) – for the second frame, etc.

**SessionN\_REF.csv** - average reference pulse rate values for time intervals of length reported in file **summary.txt**.

**SessionN\_interframeDif.txt** - interframe differences in the video, proxy for the amount of motion. Format: stream of double values with a new line symbol as delimiter, use

a = load('SessionN\_interframeDif.txt', '-ascii');

to load in Matlab;

**SessionN\_ROIdata.txt** - metadata of ROI used for data color signal computing. These files are provided for reference purposes only and are not used for analysis.

3.1 Data for session 1 additionally contain the following files:

**Session1RegionK.bin** - raw colour signal data in binary file for Section 1 with ROI different from the generally-used nose and cheeks region (region 3), see [1] for detail;

**Session1RegionK\_ROIdata.txt** - metadata of ROI used for data colour signal computing for Section 1 with ROI different from the nose- and-cheeks region.

4. Data for sessions 2IR, 9IR and 10IR consist of three files:

**SessionN.bin** - raw "colour" (effectively - monochrome) signal data in binary file, in format

i1 i1 i1 i2 i2 i2 ...;

where i1 is the pixel intensity averaged over ROI for the first frame; i2 – for the second frame, etc.

**SessionN\_ROIdata.txt** - metadata of ROI used for signal computing;

**SessionN\_REF.csv** - average reference pulse rate values for time intervals of length reported in file **summary.txt**.

[1] Unakafov AM, Moeller S, Kagan I, Gail A, Treue S, Wolf F. Using imaging photoplethysmography for heart rate estimation in non-human primates. PLoS ONE 2018;13(8): e0202581. https://doi.org/10.1371/journal.pone.0202581