**Images from freely available database:**

[**https://github.com/VPNL/fLoc#stimulus-conditions**](https://github.com/VPNL/fLoc#stimulus-conditions)

**Stimulus conditions**

Each of the five stimulus conditions in the localizer is associated with two related image subcategories with 144 images per subcategory (see [~/fLoc/stimuli/](https://github.com/VPNL/fLoc/tree/master/stimuli) for entire database):

* Bodies
  + body — whole bodies with cropped heads
  + limb — isolated arms, legs, hands, and feet
* Characters
  + word — pronounceable pseudowords (adapted from [Glezer et al., 2009](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2706007/))
  + number — uncommon strings of digits
* Faces
  + adult — portraits of adult faces
  + child — portraits of child faces
* Objects
  + car — four-wheel motor vehicles
  + instrument — musical string instruments
* Places
  + house — outdoor views of buildings
  + corridor — indoor views of hallways

The specific image categories packaged with the localizer were selected to contain common sets of parts, such that all images from a given category are different configurations of the same basic components. This is intended to minimize differences in within-category similarity across image sets.

To normalize the low-level properties of stimuli from different categories, we placed each exemplar on a phase-scrambled version of another randomly selected image from the database. We also matched the mean luminance and histograms of grayscale values of each image using the [SHINE toolbox](http://www.mapageweb.umontreal.ca/gosselif/SHINE/) (see [Stigliani et al. (2015)](http://www.jneurosci.org/content/35/36/12412) for more details).

**For ageing LC study**

We used selected images of cars and houses from the database that were clear representatives of the category; measured luminance of centre of each image using the Apacer spectrometer; excluded images with luminance |zscore|>1.5; checked that there was no significant Luminance difference across groups (cars vs houses). Avg car luminance = 69 cd/m2; Avg house luminance = 67 cd/m2; Grey Background = 33 cd/m2.