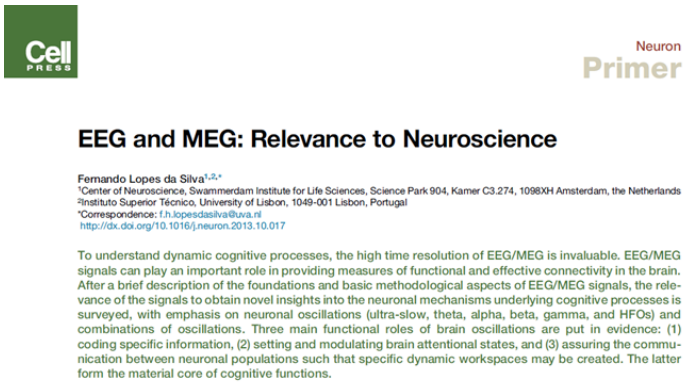
Assignment 0
(to be discussed on 28.09.2021)

Reading for the seminar



(PDFs of this and relevant refs in folder Assignments)

•Read the review

•Be prepared to explain the study

from the figures 3, 4, 6 7

Coding in Matlab

Understand the code in

RSII_200922_1a.m

RSII_200922_1b.m

RSII_200922_1c.m

Based on RSII_200922_1.m

1. Create a 5x6 matrix A of randomly generated numbers. Loop through all row and columns and test whether each element is greater than 0.5
2. Report the result of the test in a 5x6 matrix A_bin with values 1 if >0.5 and 0 if <0.5
3. [OPTIONAL] Write the function matrix_gt_05.m with A_bin(0 or 1) and input the matrix A

Based on RSII_200922_1b.m

4. Import the picture of Moscow that comes with the Matlab code

(to import: see line 251 in RSII_200922_1b.m)

5. Find the maximum value of each color (R,G,B) and plot a **star** of that color on the pixel with maximum value (if more than one maximum, the first pixel from top left).

(for the star: see line 169 in RSII_200922_1b.m)

Use built-in functions : max, imagesc