

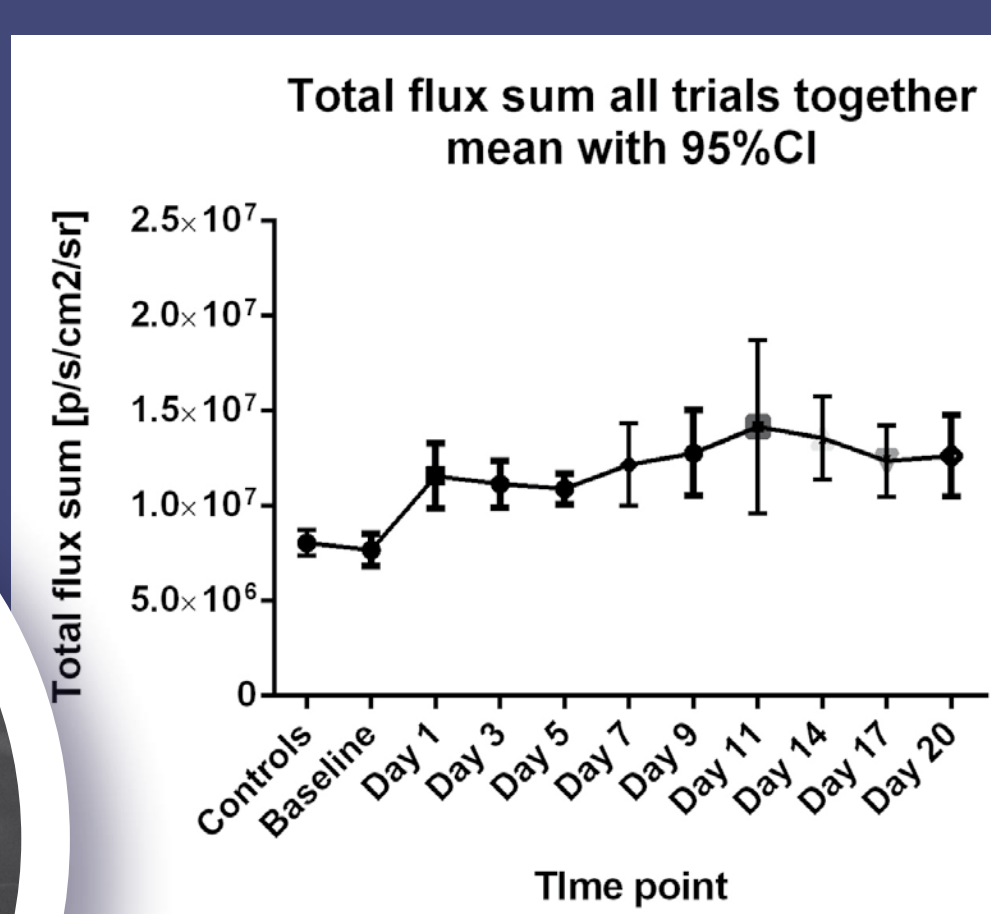
A high-contrast, black and white microscopic image of neural tissue, showing various cell bodies and branching processes. The text "MLADI MOZAK" is overlaid in a large, bold, white sans-serif font, centered horizontally and vertically. The word "MLADI" is on the top line and "MOZAK" is on the bottom line. The background image shows a dense network of neurons with prominent cell bodies and intricate branching structures, typical of a histological section of brain tissue.

MLADI MOZAK

MladiMozak je projekt financiran sredstvima EU koji pruža potporu mladim istraživačima u istraživanjima primjene inovativnih tehnologija regenerativne medicine u liječenju bolesti mozga.

The figure is a composite of three elements. On the left is a circular portrait of a woman with glasses. In the center is a line graph titled 'Total flux sum all trials together mean with 95%CI'. The y-axis is labeled 'Total flux sum [pA/cm2s]' and ranges from 0 to 2.5 · 10⁻⁷. The x-axis is labeled 'Time point' and includes 'Control', 'Baseline', 'Day 1', 'Day 2', 'Day 3', 'Day 4', 'Day 5', 'Day 6', 'Day 7', 'Day 8', and 'Day 28'. The graph shows a mean flux sum that starts around 0.8 · 10⁻⁷ pA/cm2s, increases to about 1.2 · 10⁻⁷ pA/cm2s by Day 1, and then fluctuates between 1.0 and 1.5 · 10⁻⁷ pA/cm2s through Day 28. On the right is a fluorescence microscopy image showing a dense network of neurons with green cell bodies and red processes.

Time point	Total flux sum [pA/cm2s] (mean ± 95%CI)
Control	0.8 ± 0.1 · 10 ⁻⁷
Baseline	0.8 ± 0.1 · 10 ⁻⁷
Day 1	1.2 ± 0.2 · 10 ⁻⁷
Day 2	1.1 ± 0.2 · 10 ⁻⁷
Day 3	1.1 ± 0.2 · 10 ⁻⁷
Day 4	1.3 ± 0.3 · 10 ⁻⁷
Day 5	1.2 ± 0.3 · 10 ⁻⁷
Day 6	1.4 ± 0.3 · 10 ⁻⁷
Day 7	1.5 ± 0.3 · 10 ⁻⁷
Day 8	1.4 ± 0.3 · 10 ⁻⁷
Day 28	1.3 ± 0.3 · 10 ⁻⁷



A fluorescence micrograph showing a dense network of neurons. The neurons are stained with red and green dyes, highlighting their cell bodies and extensive branching processes. The red staining appears to outline the cell bodies and some processes, while the green staining fills the surrounding space and some processes.

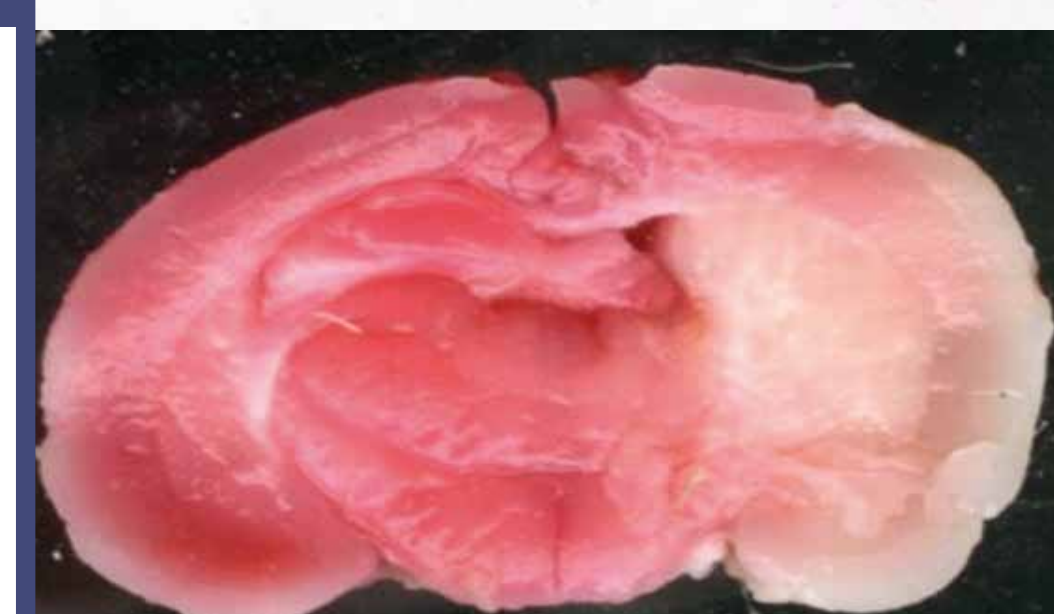
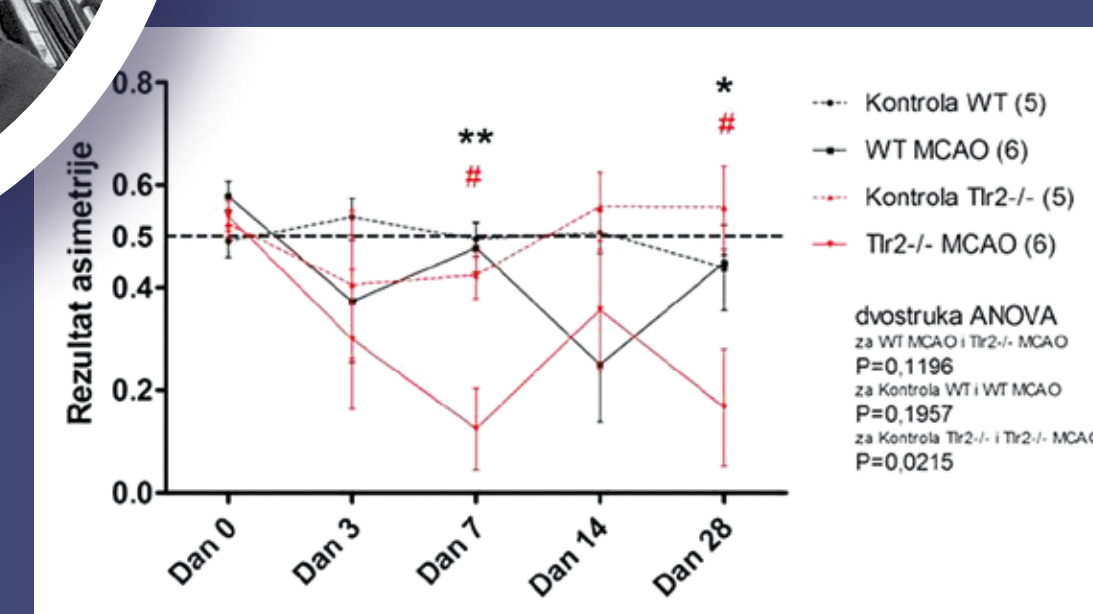
Istražujemo komponente upalnih zbivanja koje možemo iskoristiti u liječenju bolesti mozga.

Resultat astinitije

Days 0 Days 5 Days 7 Days 14 Days 28

—•— Kontrola WT (5)
—•— WT MCAO (6)
—•— Kontrola Tr2-/- (5)
—•— Tr2-/- MCAO (5)

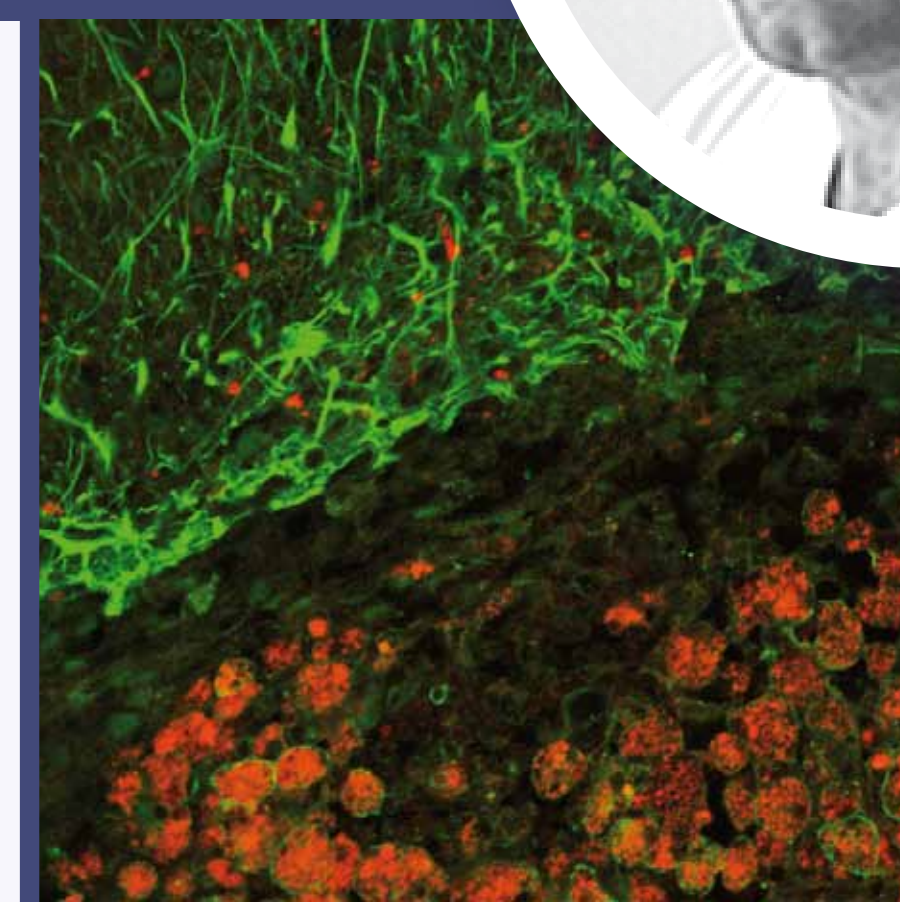
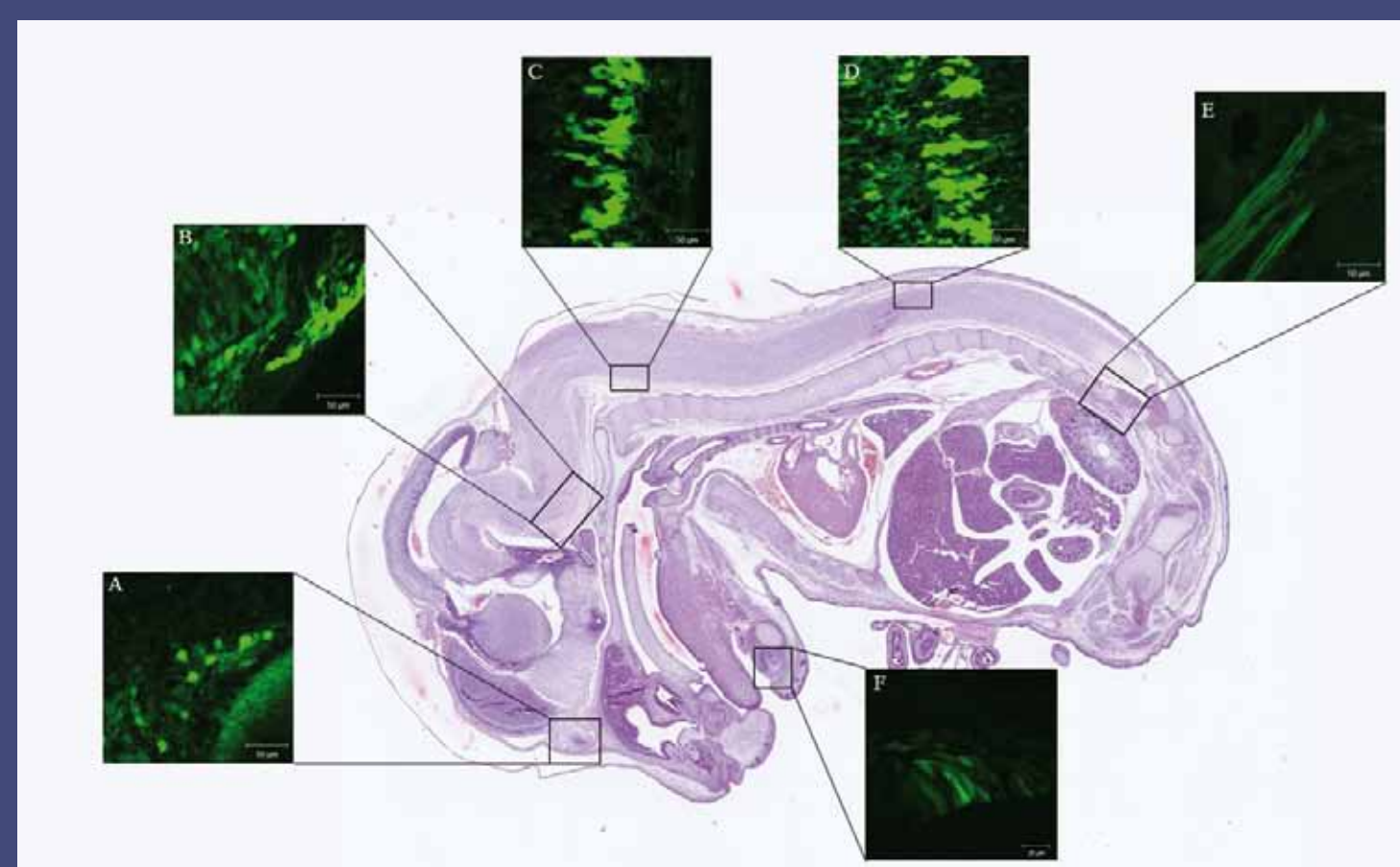
exon 5a ANOVA
Day 0: WT vs Tr2-/-
Day 7: WT MCAO vs Tr2-/- MCAO
Day 14: WT MCAO vs Tr2-/- MCAO
P=0.007
P=0.0001
P=0.0215



Razvijamo i primjenjujemo postupke transplantacije matičnih stanica u potrazi za novim pristupima liječenju bolesti mozga.



Primjenjujemo novostečena znanja kako bismo otkrili inovativne pristupe u liječenju moždanog udara.



Istražujemo dobrobiti koje donose naši novorazvijeni terapijski postupci.

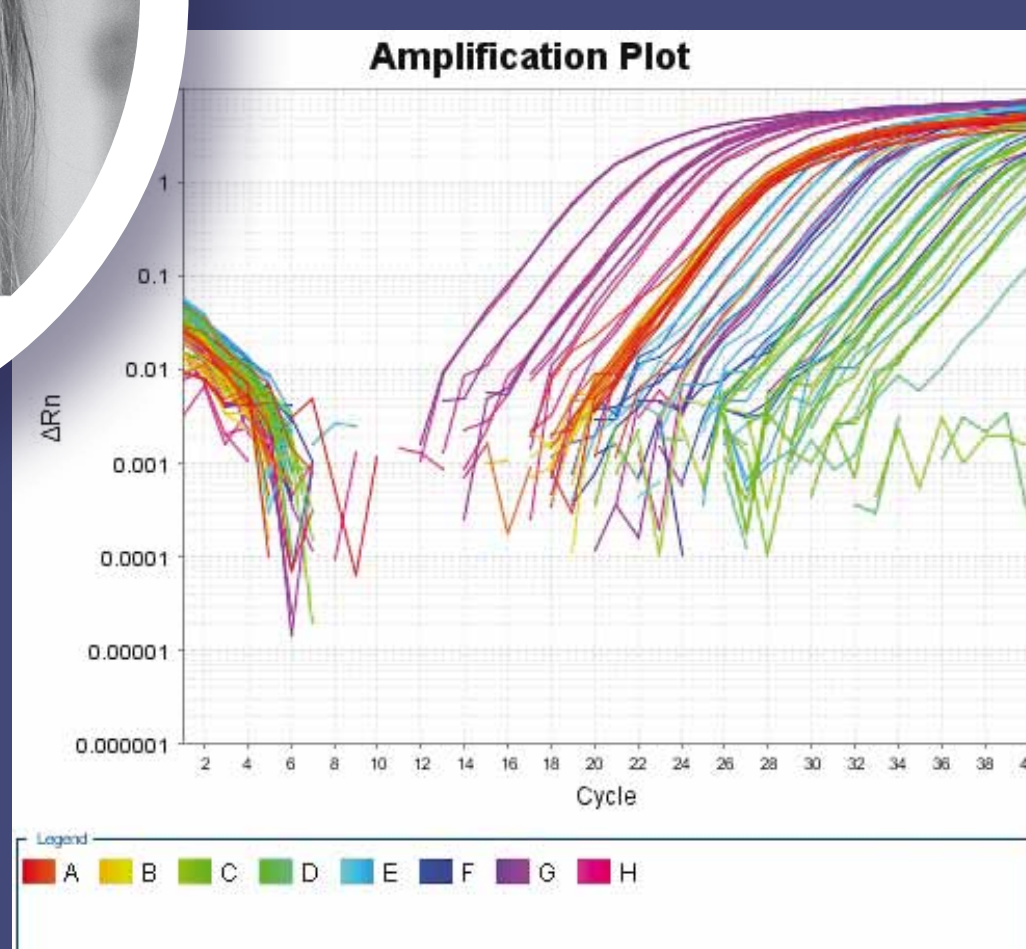
Amplification Plot

log₁₀ copies/mL

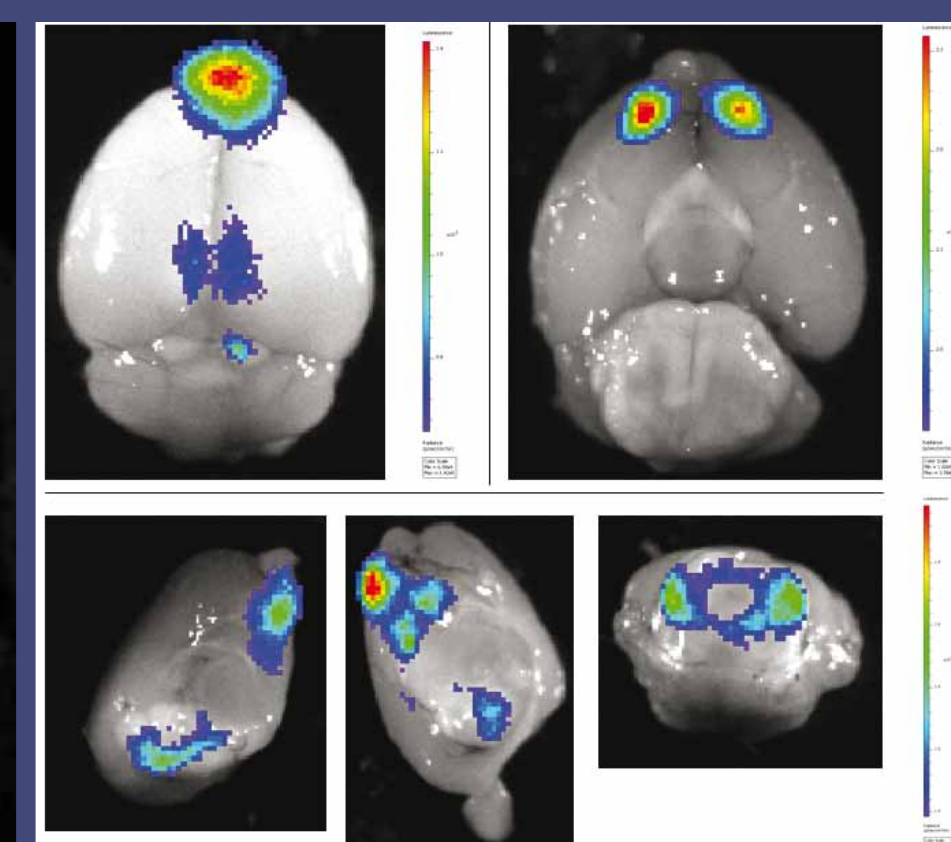
Cycle

Legend: A, B, C, D, E, F, H

3D visualization of clusters (green and red).



Primjenjujemo inovativne tehnologije kako bismo vizualizirali bolesti mozga i pratili pozitivne učinke naših terapijskih postupaka.



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