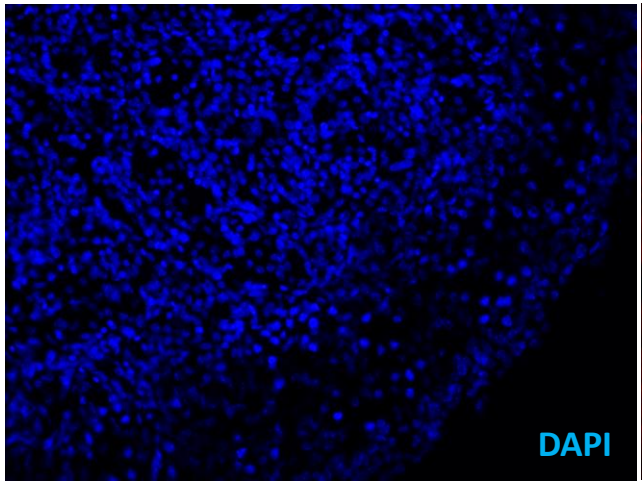
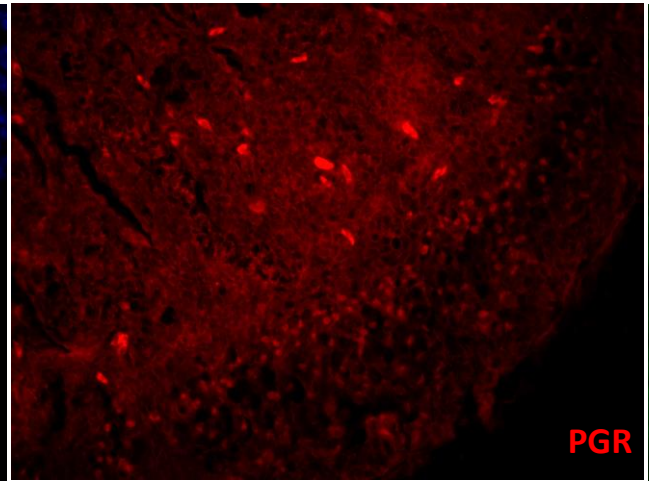
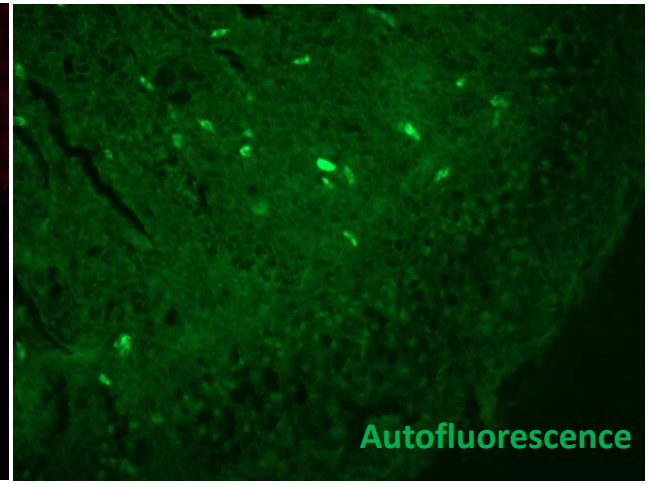
Supplementary materials 1: Chicken embryonic ovary – Control group



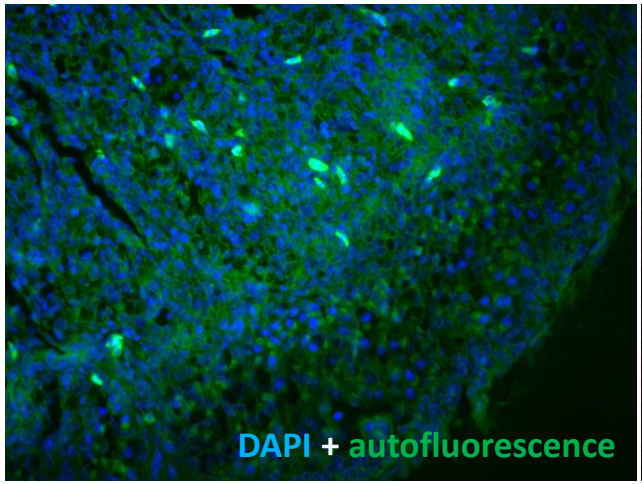
Blue fluorescence – DAPI (blue cell nuclei)



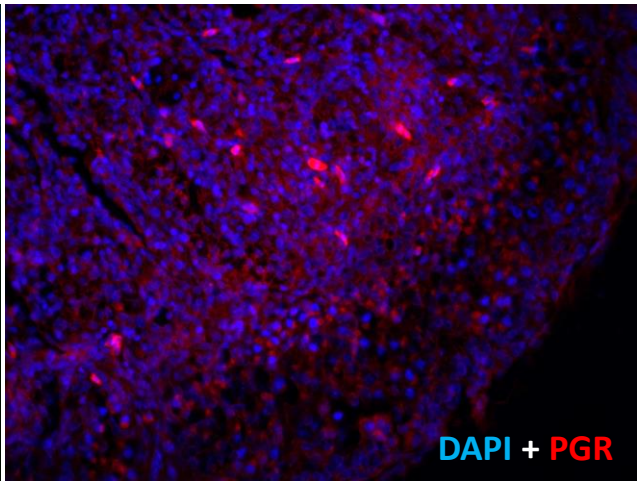
Red fluorescence – immunopositive reaction for PGR and erythrocytes autofluorescence



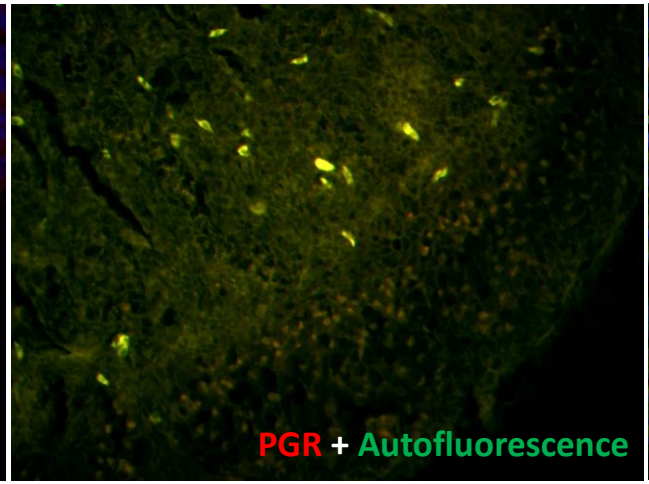
Green fluorescence – autofluorescence of erythrocytes very well visible



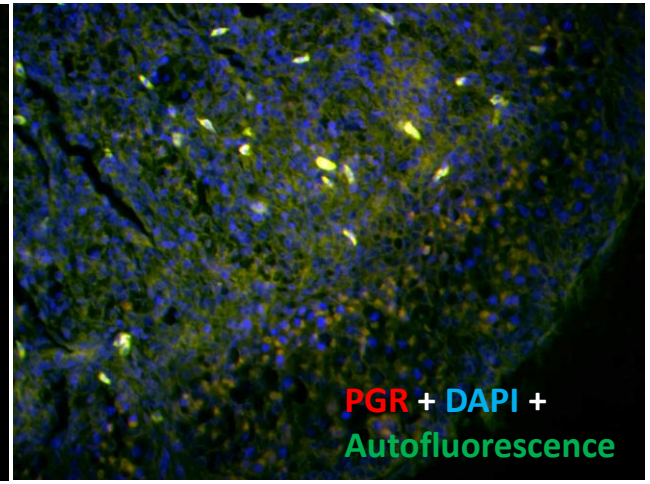
Blue + green fluorescence - nuclei and erythrocytes



Blue + red fluorescence - nuclei, immunopositive reaction for PGR and erythrocytes

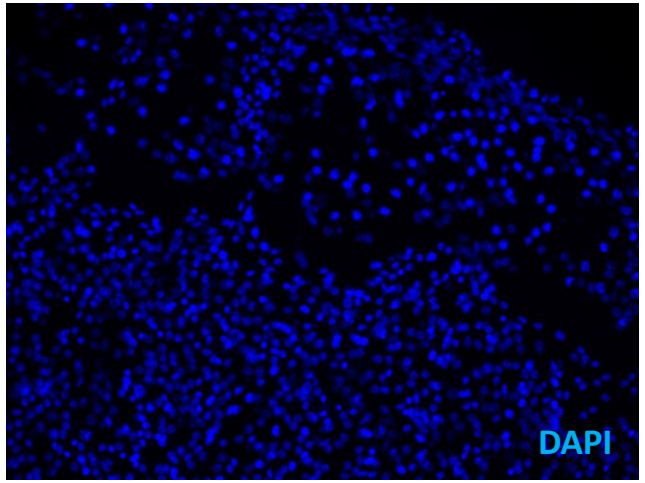


Green + red fluorescence - the same signal (colocalization). It means that **there is NO or very weak immunopositive reaction for PGR**

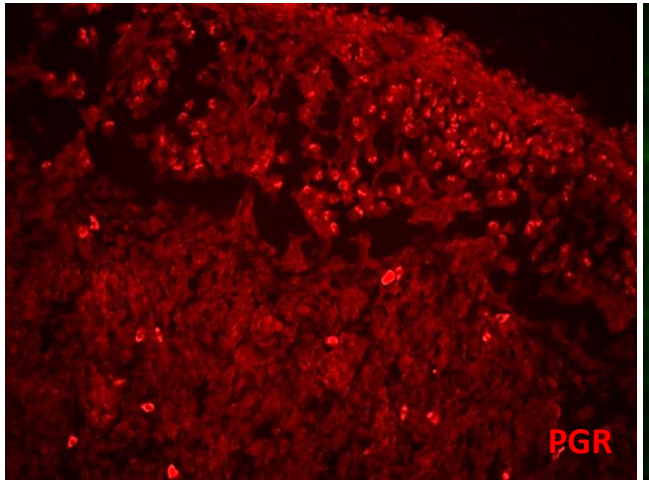


Merge (Green + red + blue fluorescence)

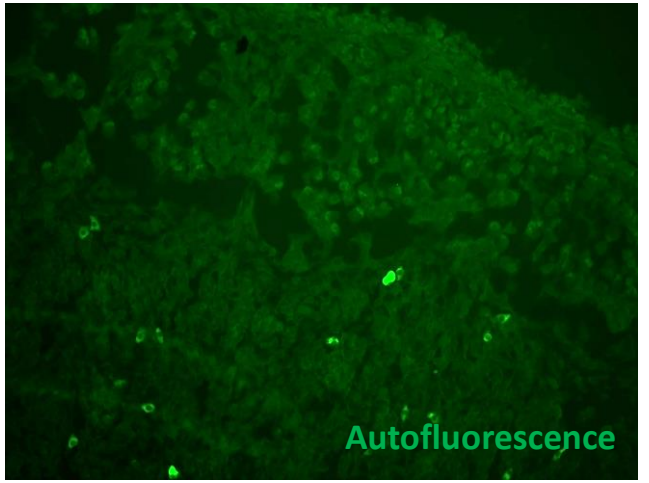
Supplementary materials 2: Chicken embryonic ovary – NaF (D3) treated group



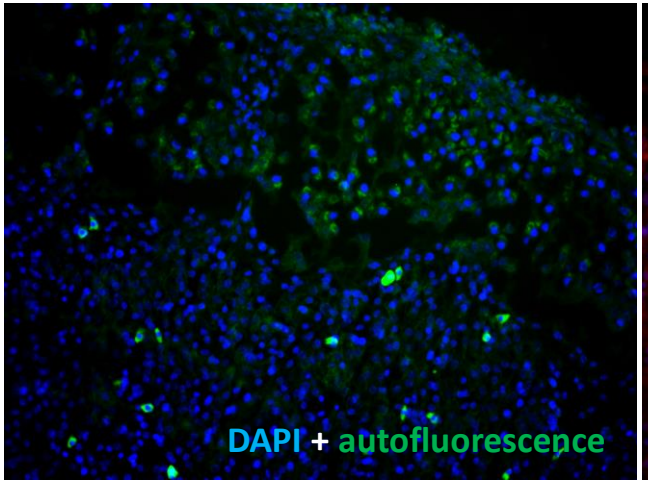
Blue fluorescence –DAPI (blue cell nuclei)



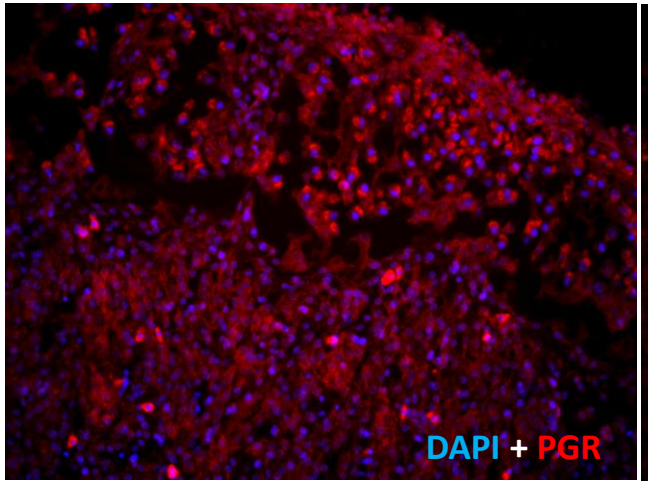
Red fluorescence – immunopositive reaction for PGR or erythrocytes autofluorescence



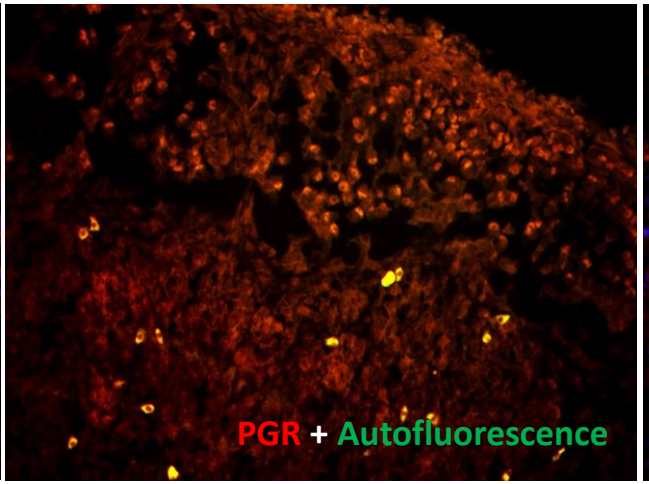
Green fluorescence – autofluorescence of erythrocytes very well visible



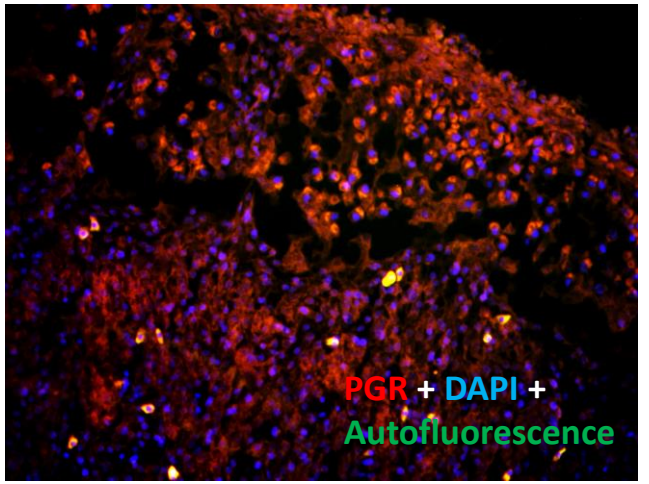
Blue + green fluorescence - nuclei and erythrocytes



Blue + red fluorescence - nuclei, immunopositive reaction for PGR and erythrocytes



Green + red fluorescence - **NOT** the same signal (no colocalization). It means that **the reaction for PGR is specific**



Merge (Green + red + blue fluorescence)