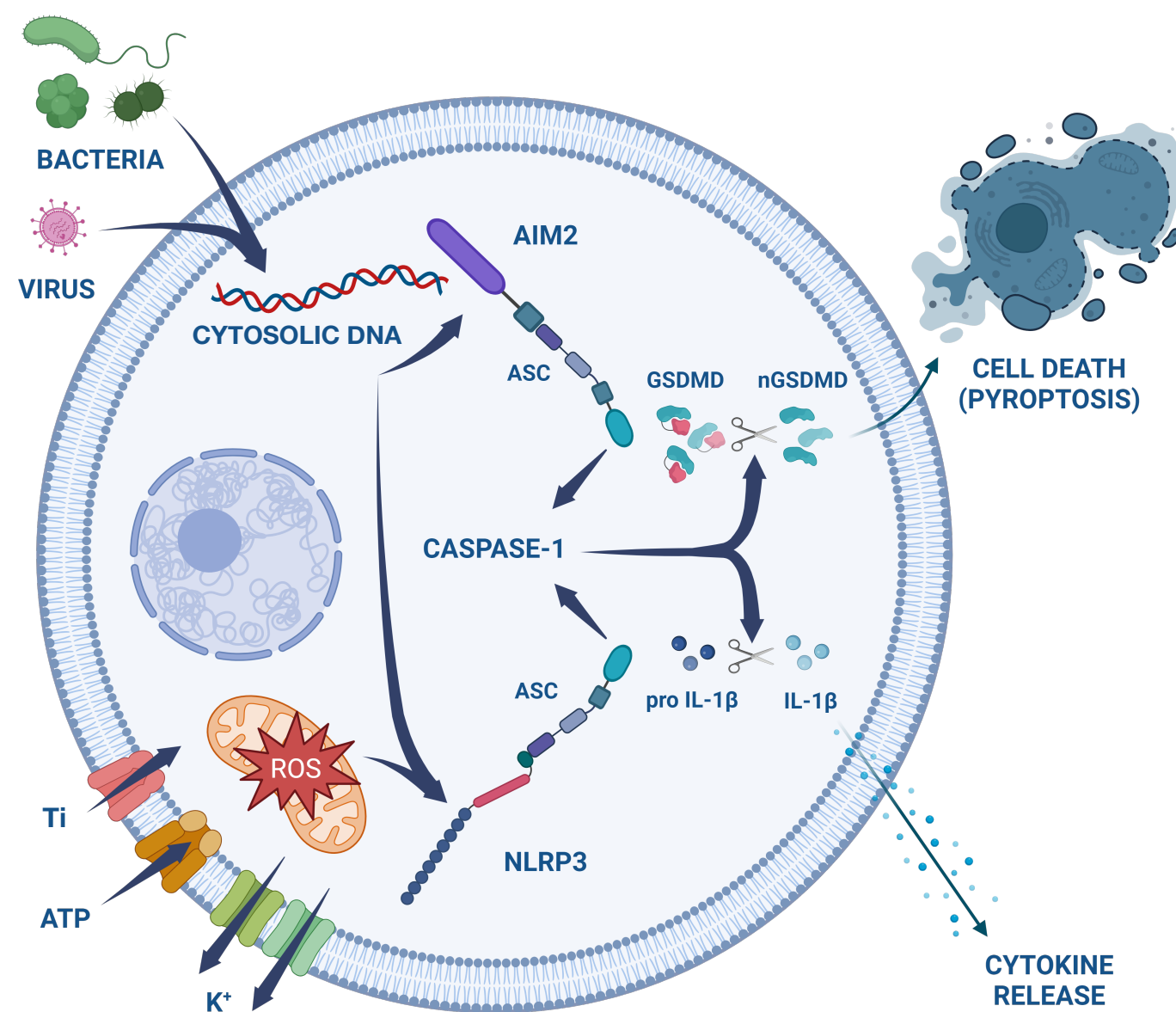
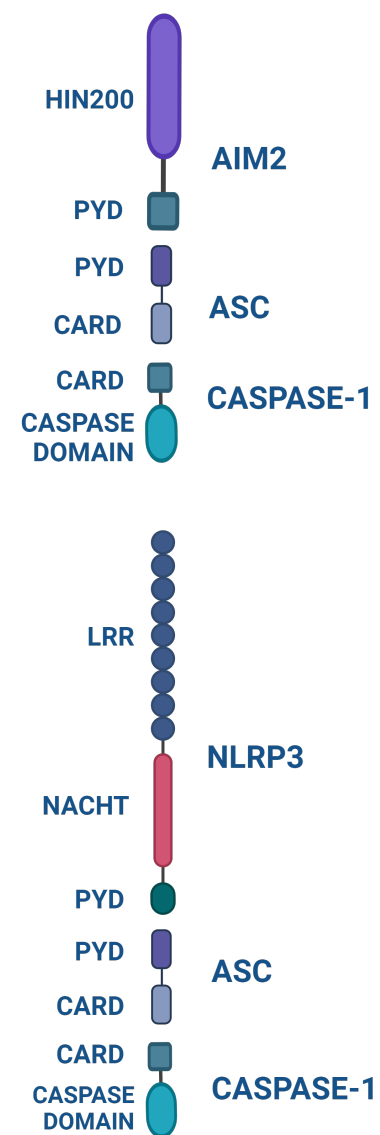


Mechanism of Activation:

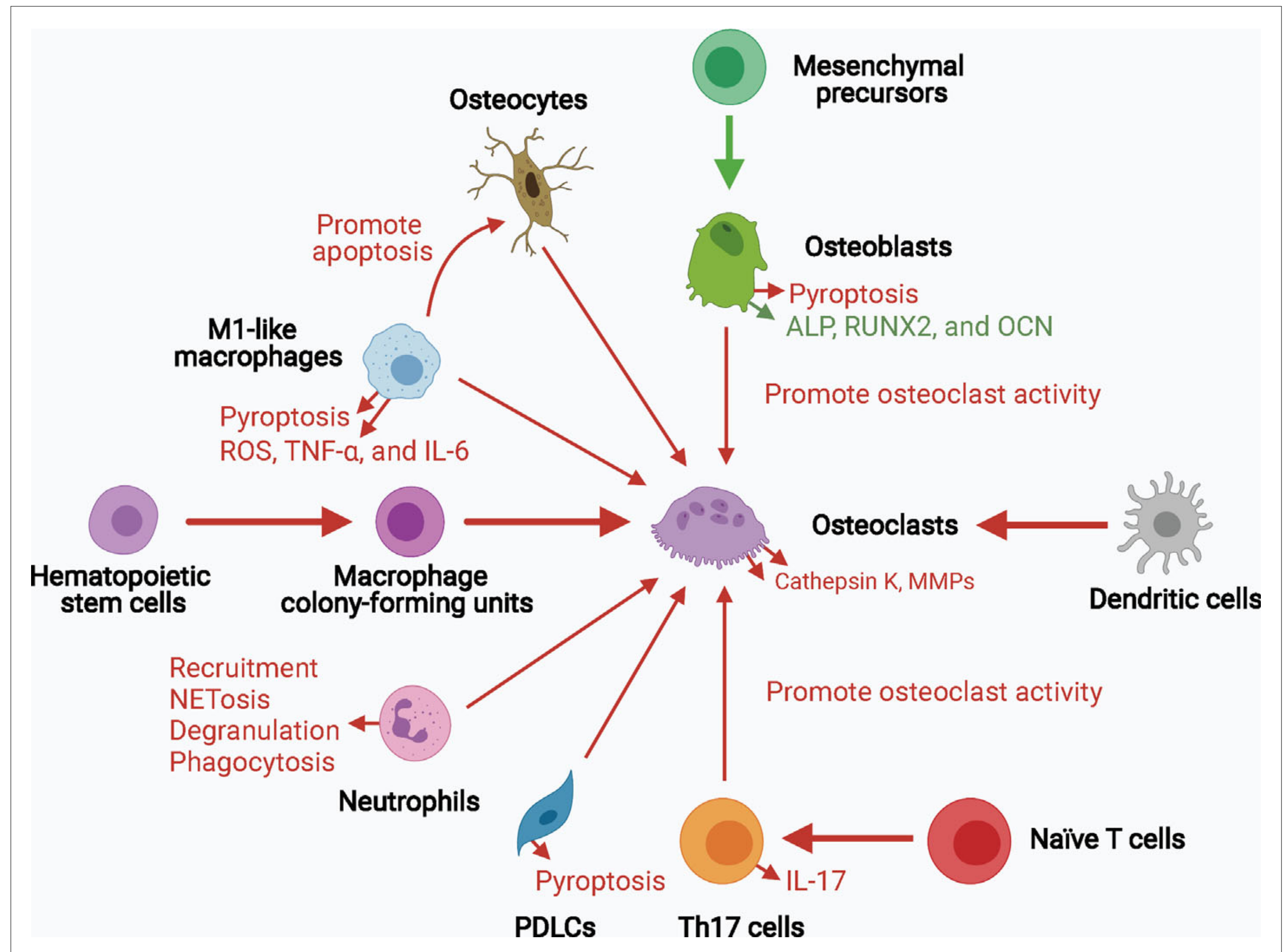


Created in BioRender.com 



Li et al. (2021)

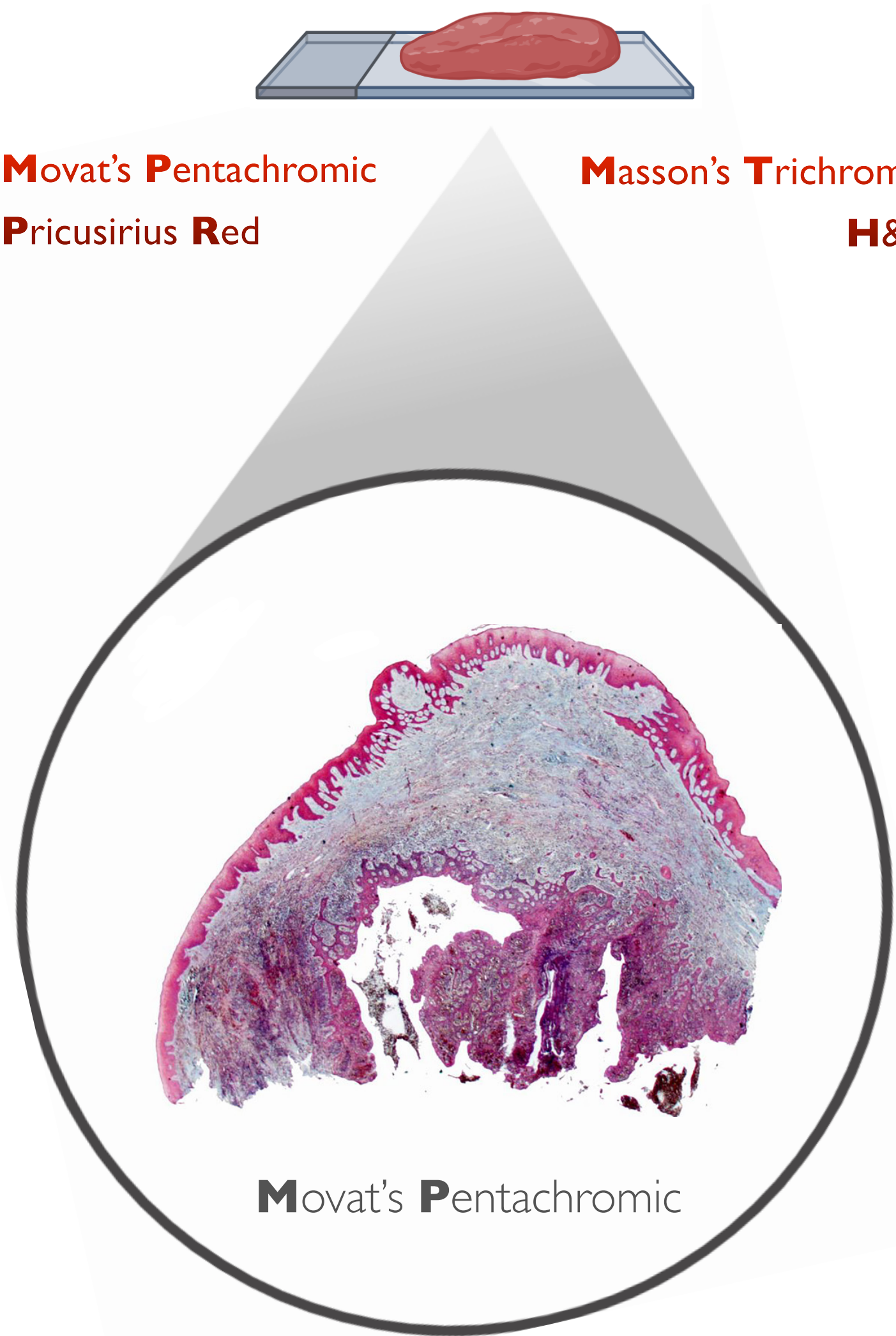
The role of inflammasome activation in the crosstalk of **bone remodeling factors**



Histomorphometric

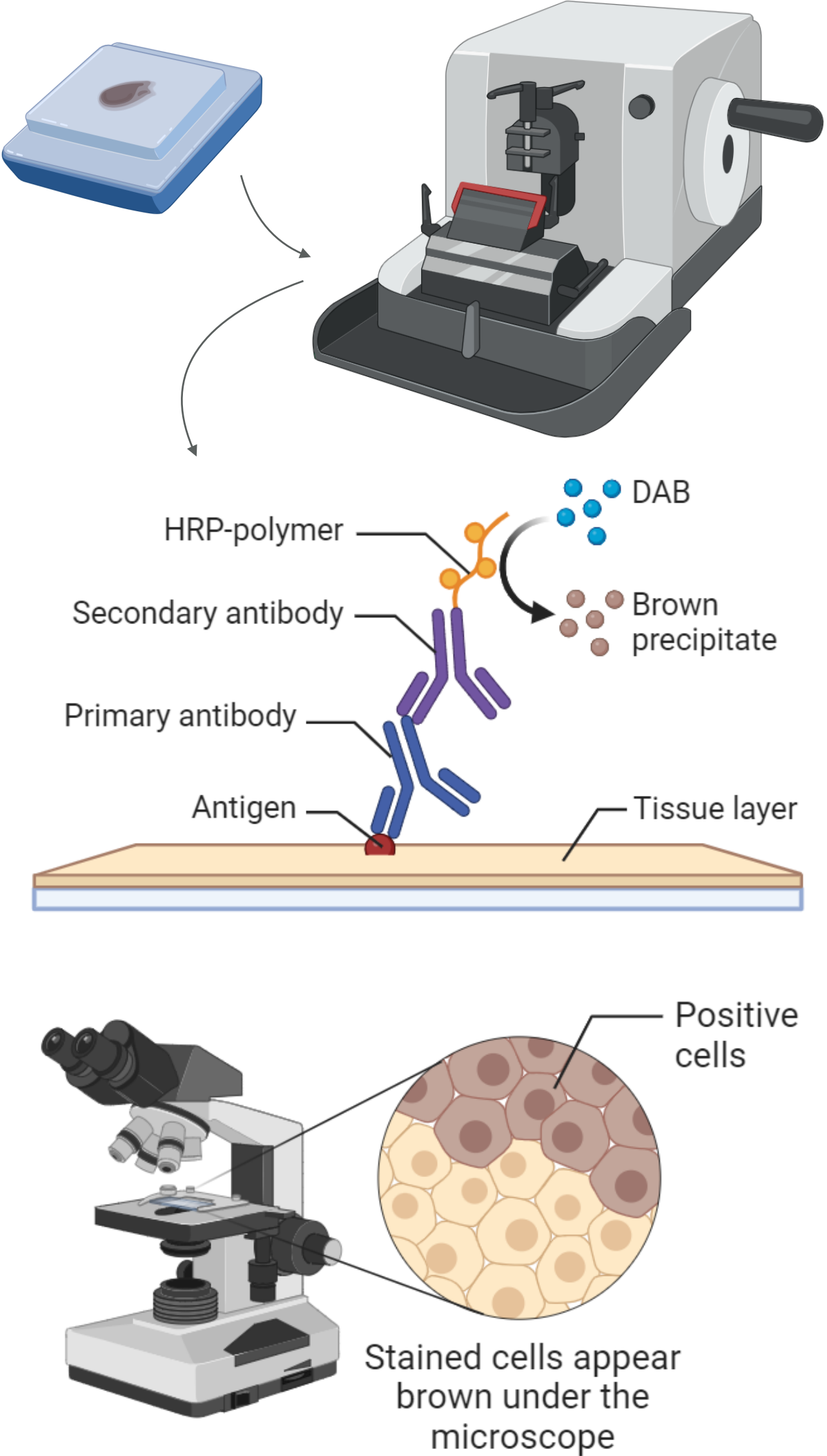
Movat's Pentachromatic
Pricusirius Red

Masson's Trichromatic
H&E

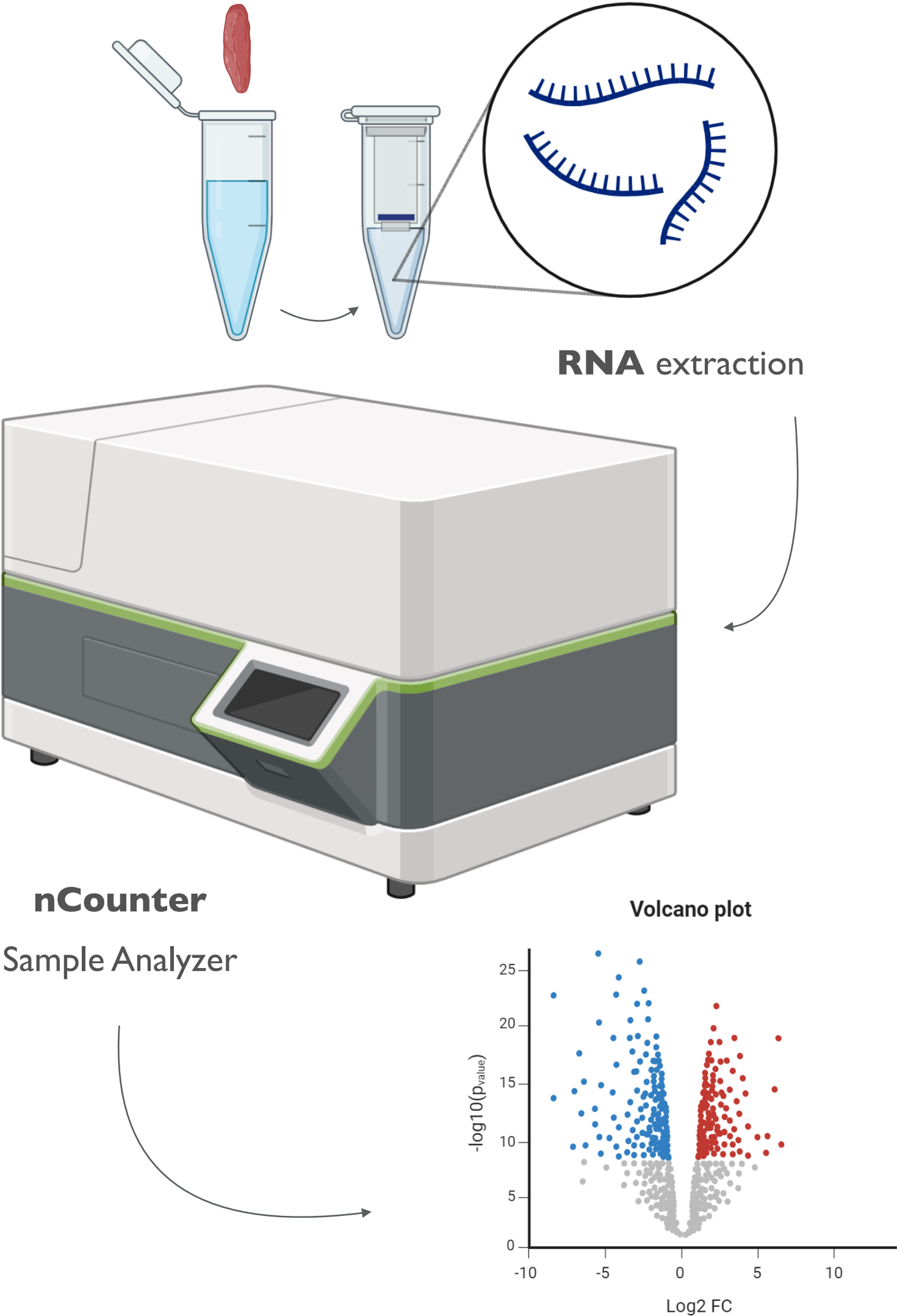


Movat's Pentachromatic

Immunohistochemical

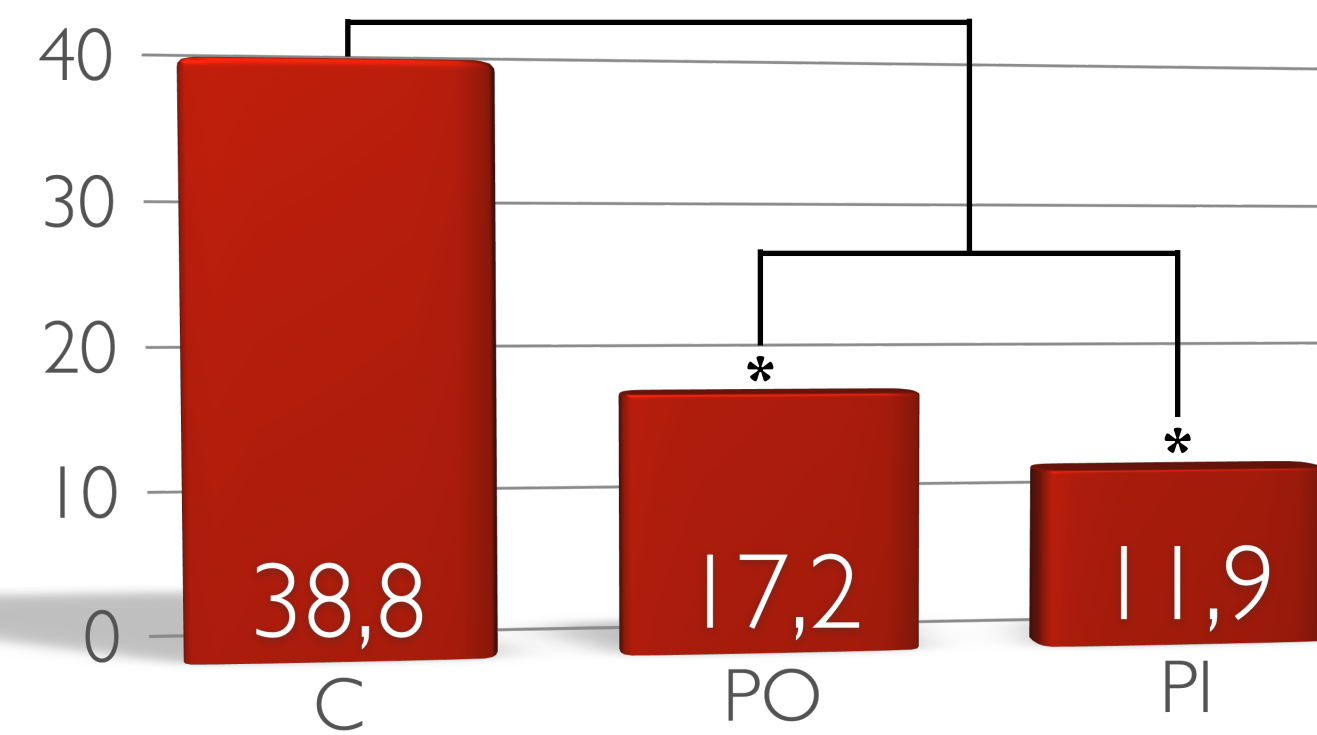


Molecular



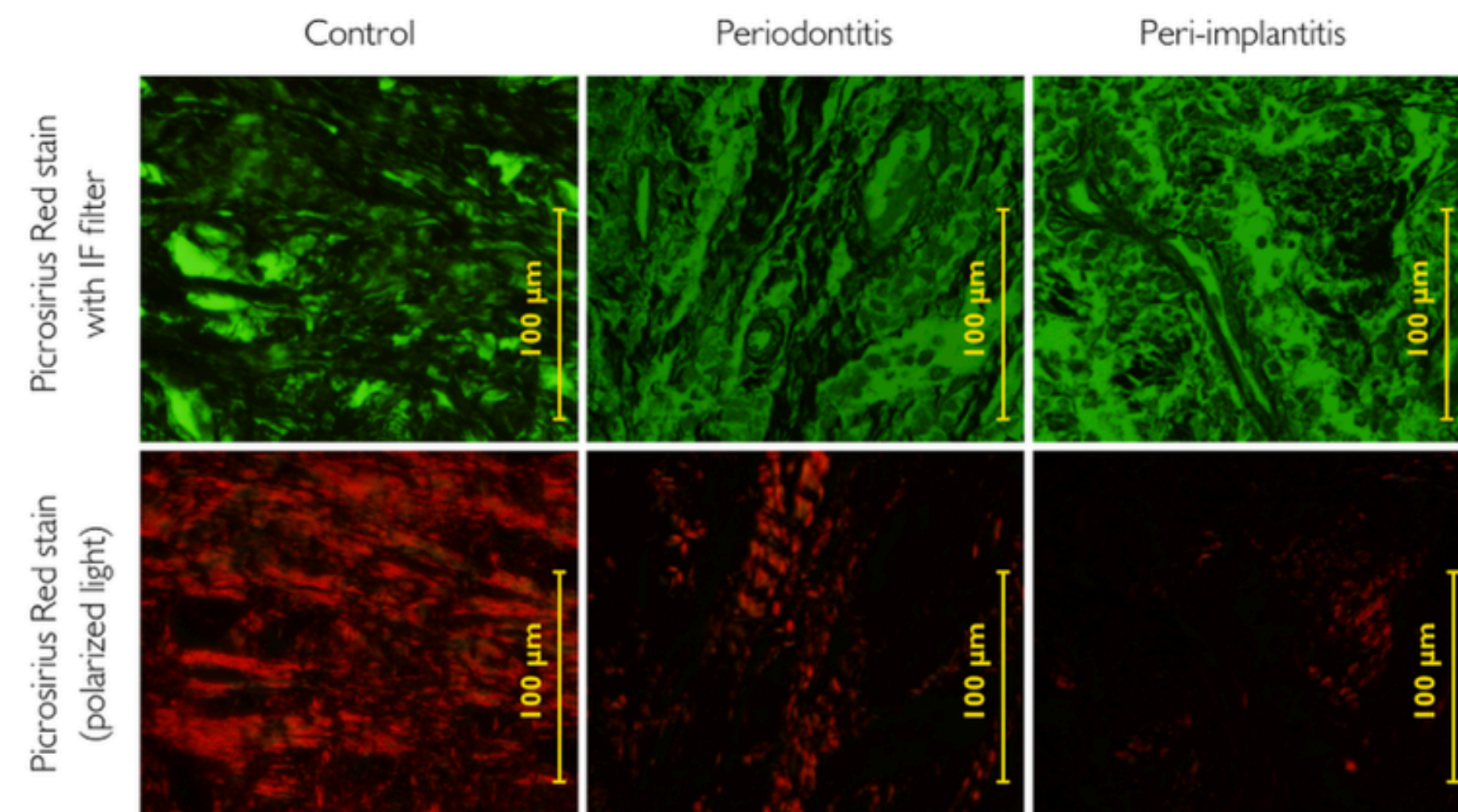
Histomorphometric Parameters

■ % Collagen Per Field



Kruskal-Wallis test

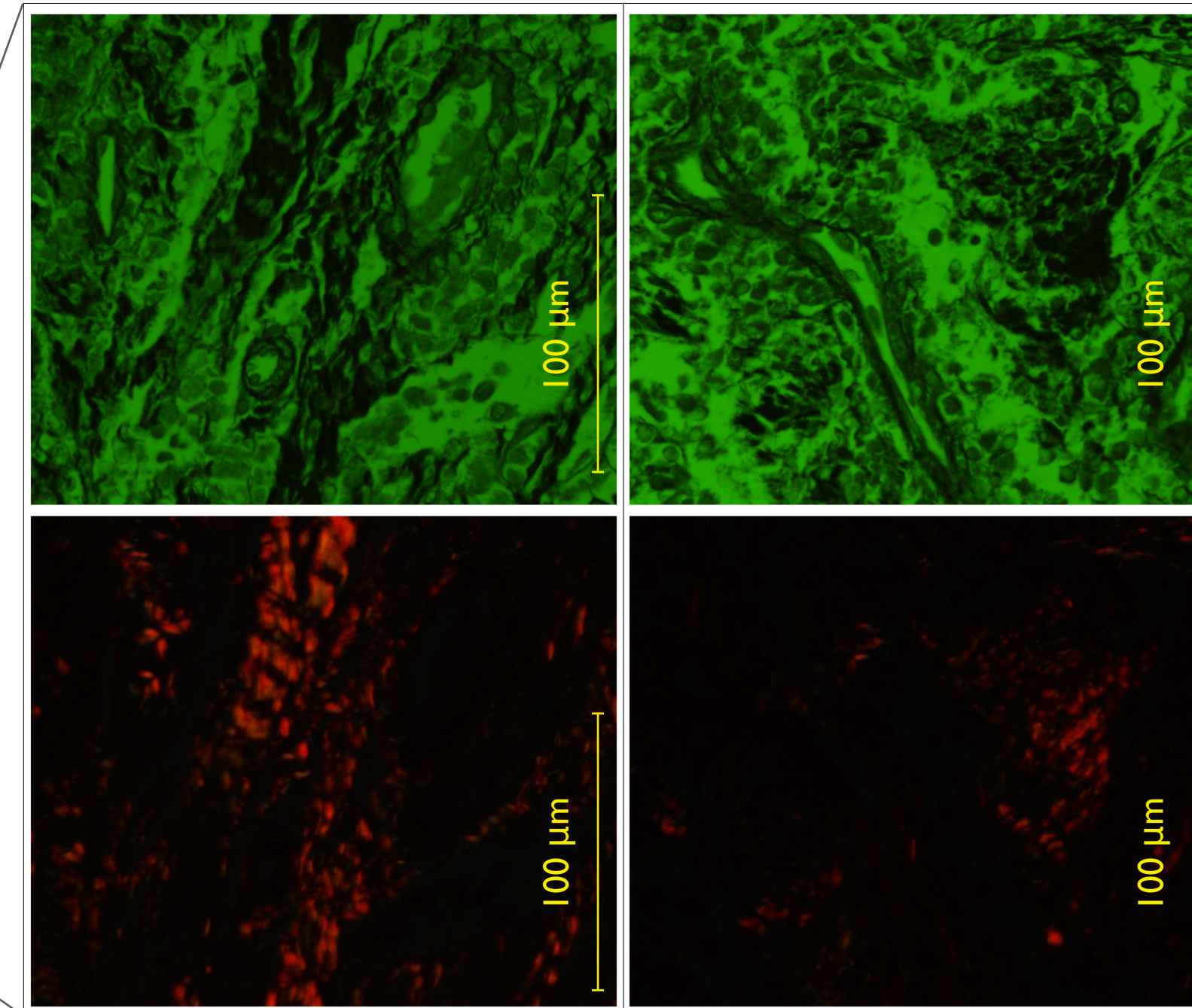
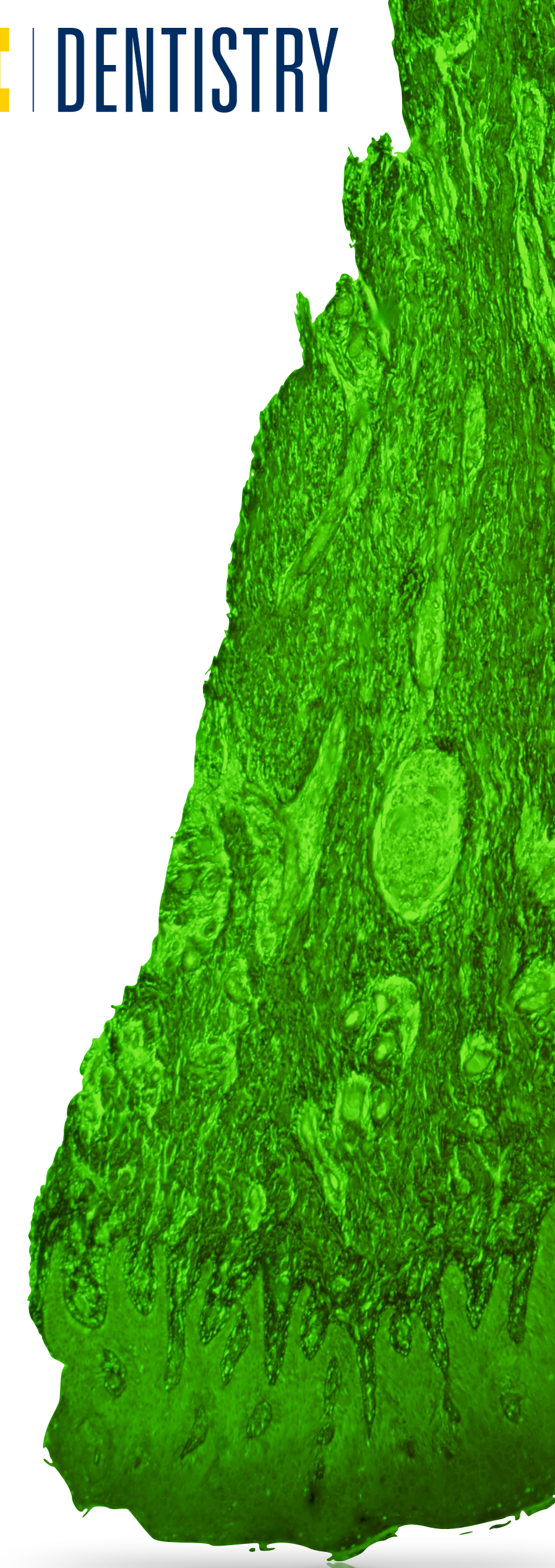
Dunn's correction
p<0.05



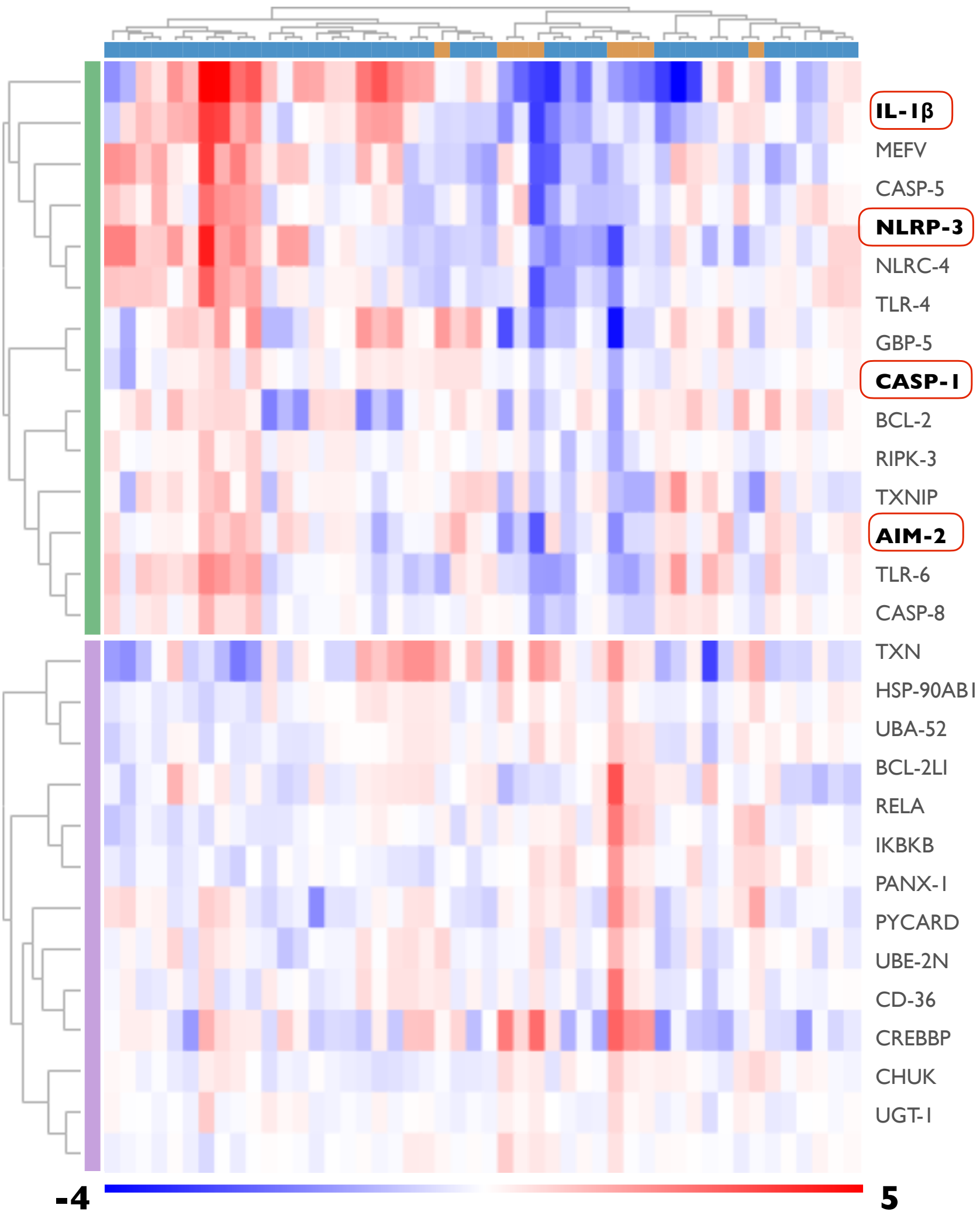
40x magnification

Periodontitis

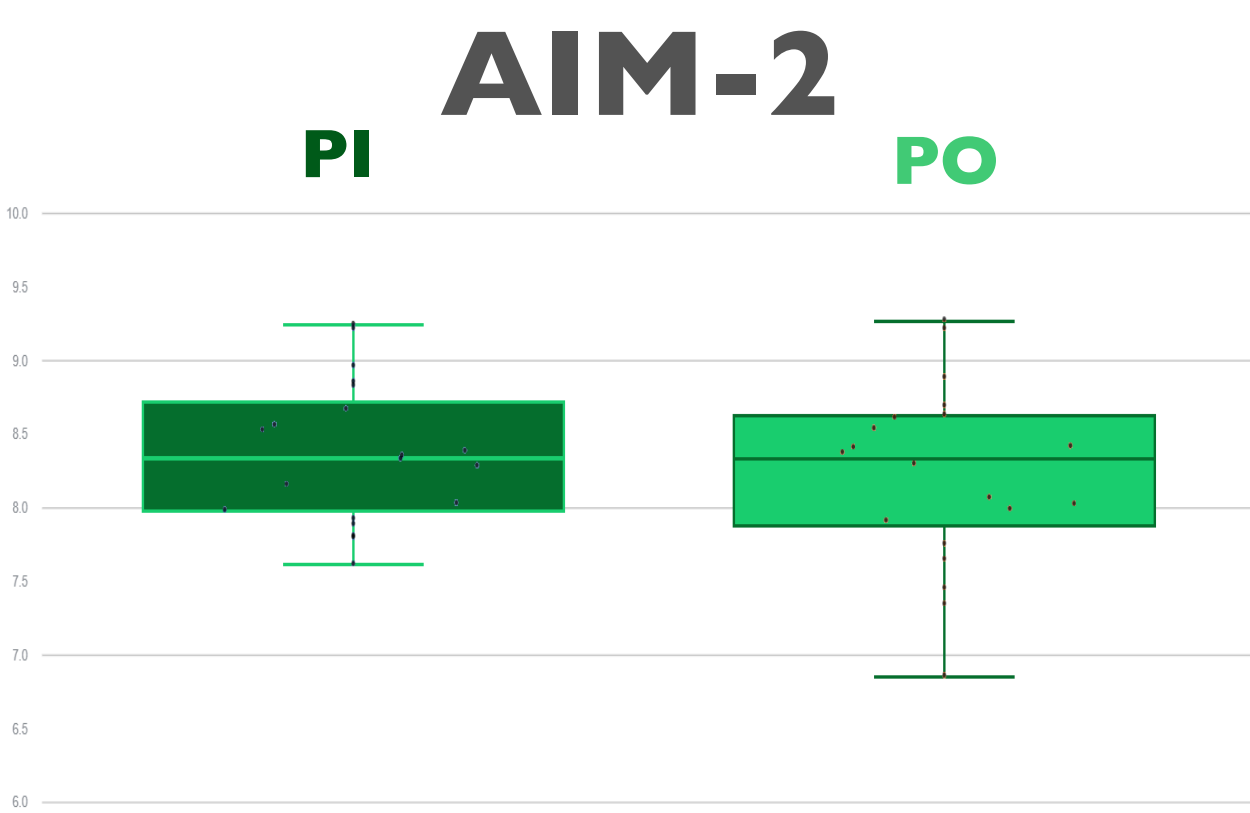
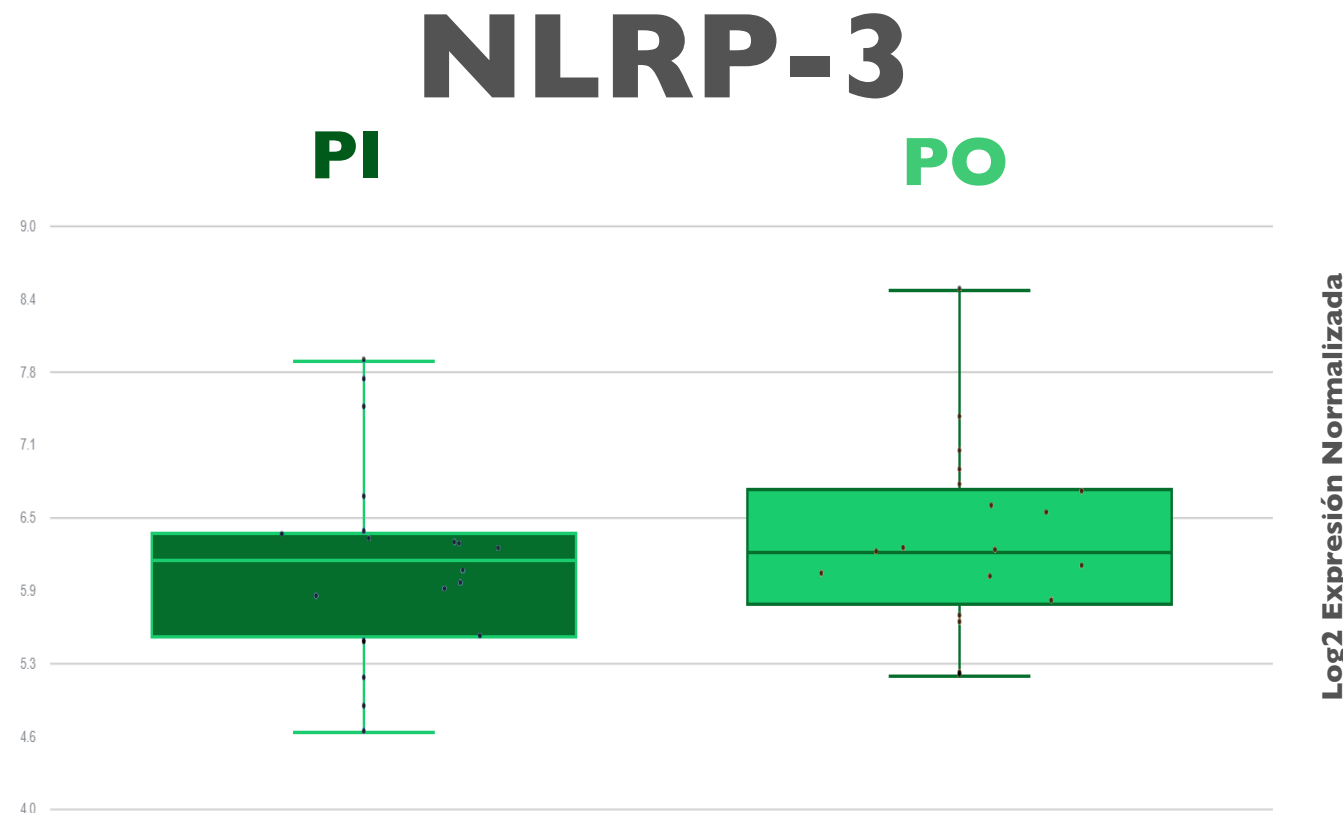
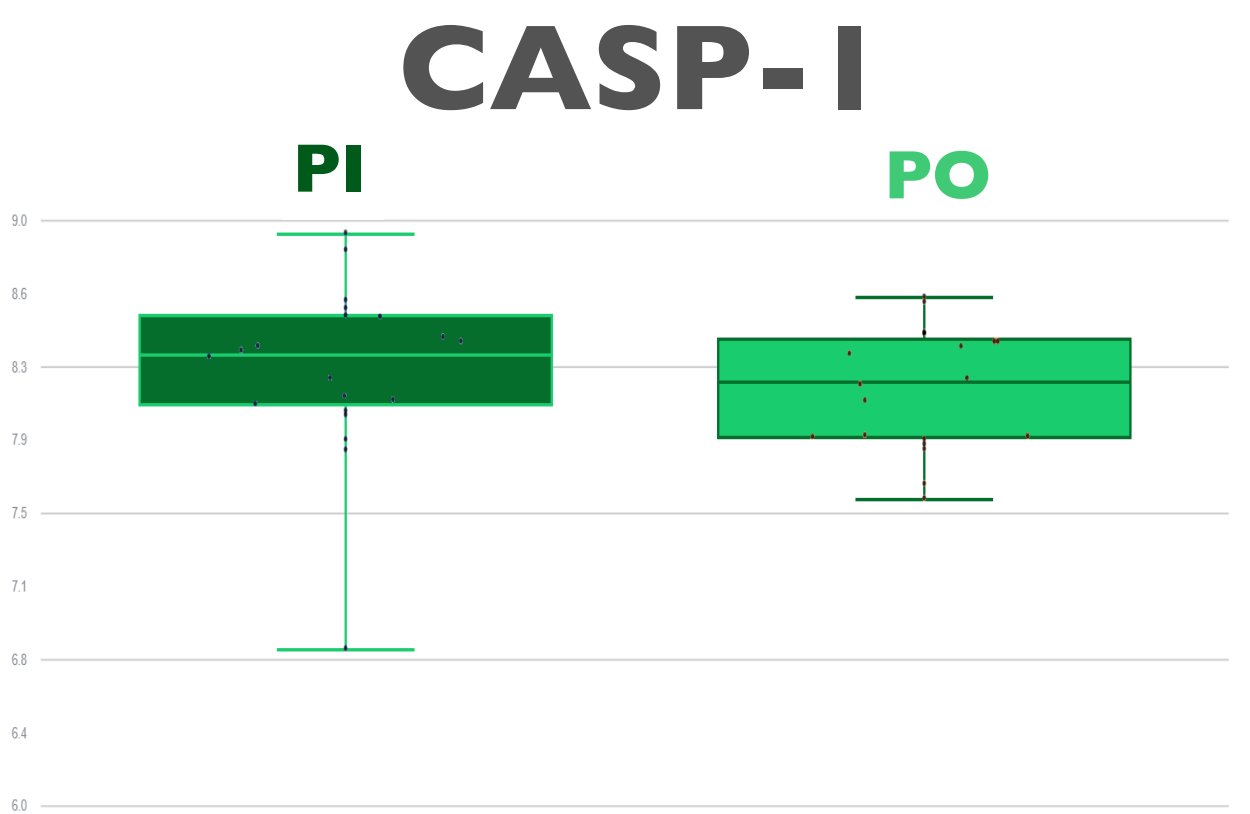
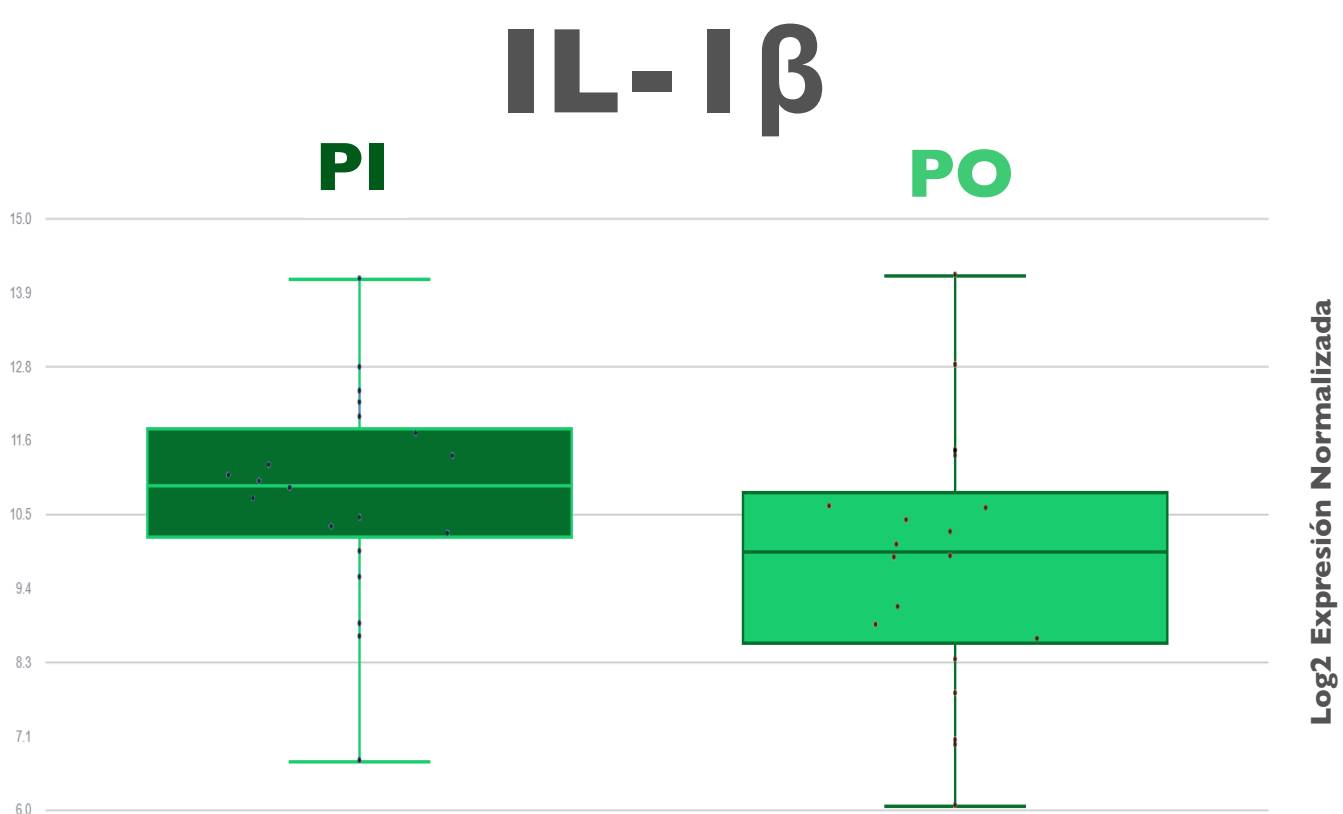
Peri-implantitis



PI+PO vs. C

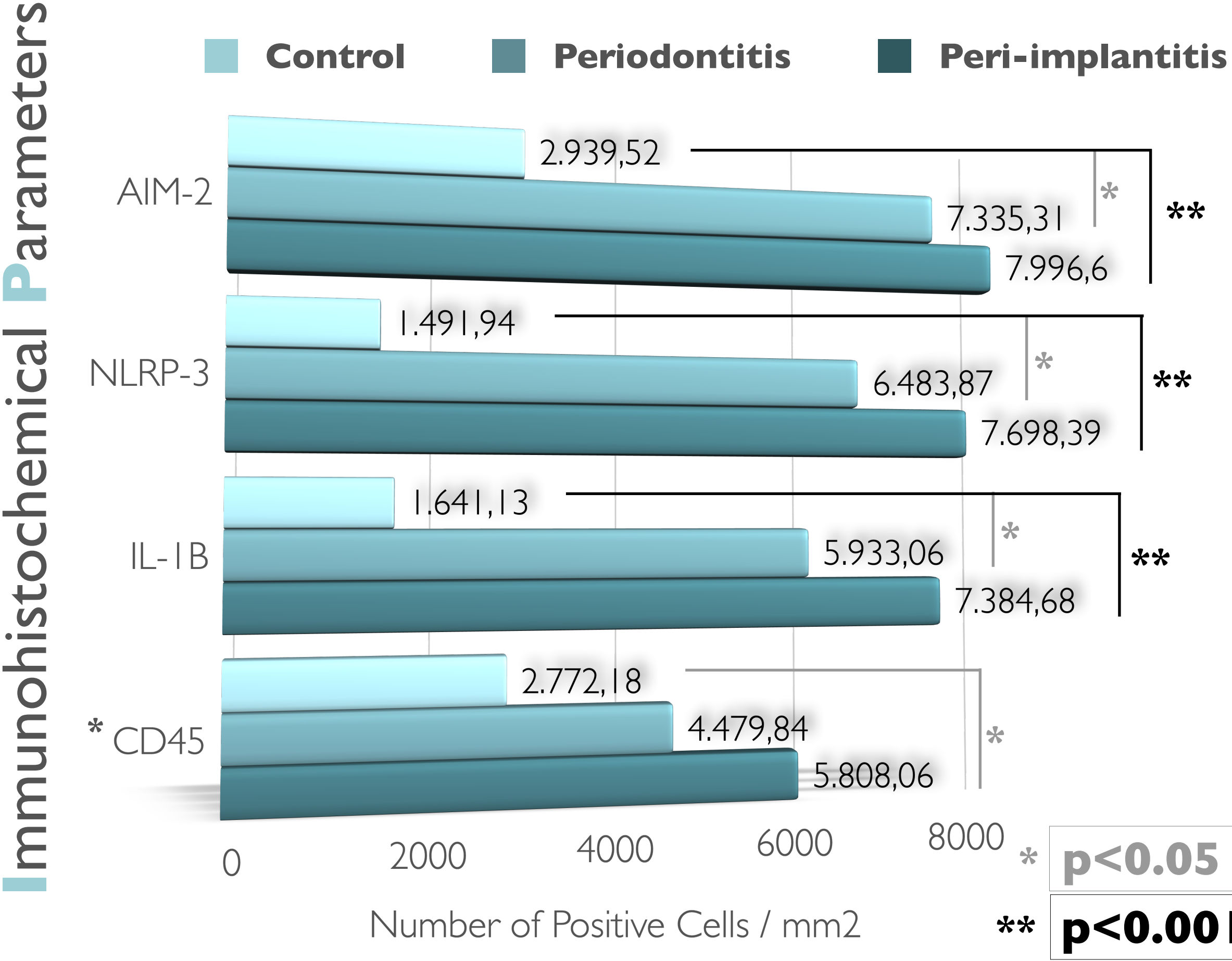


Transcriptomical Parameters



Differential Gene Expression

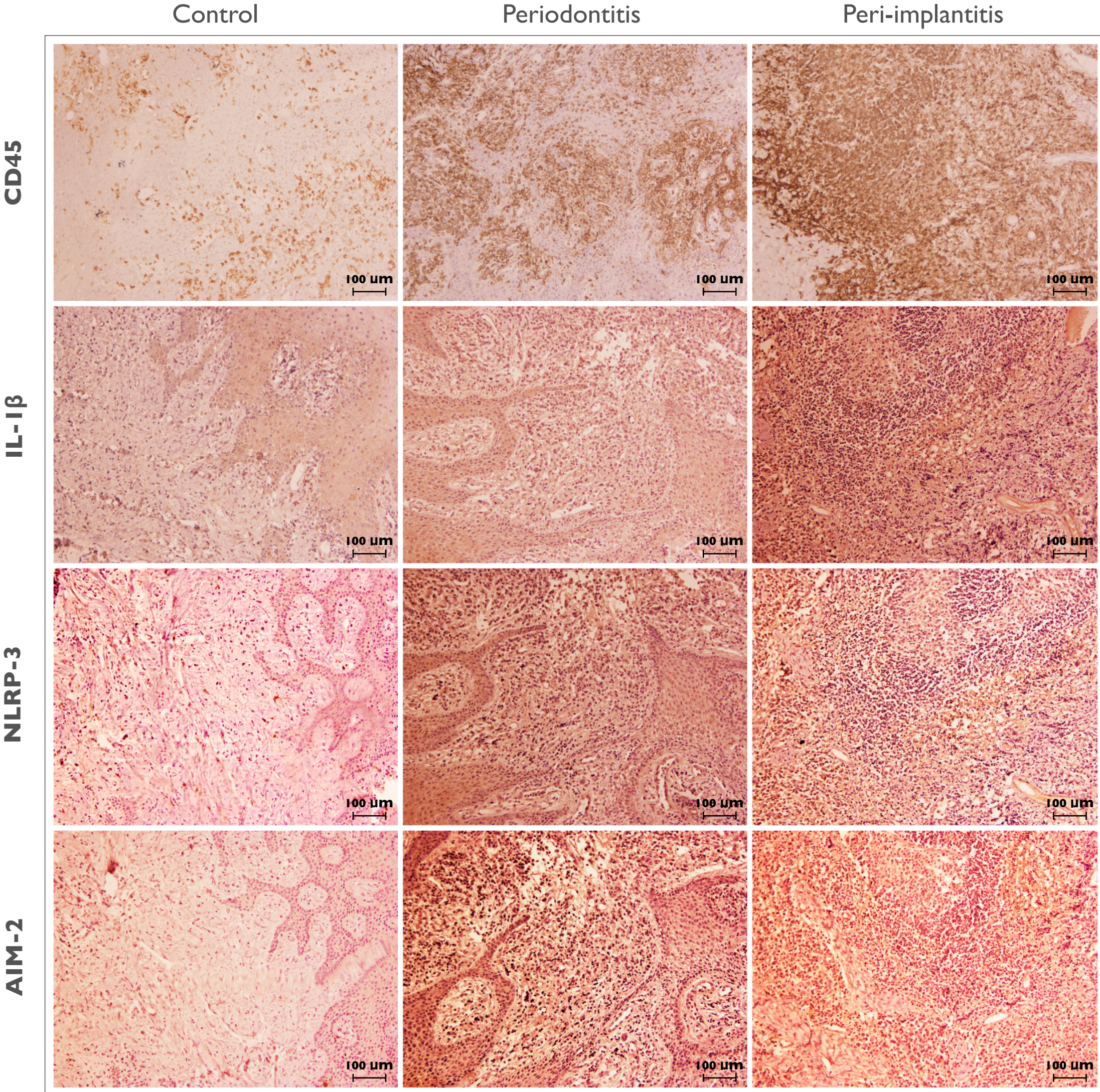
Results



Conclusions

The activation of **NLRP-3** & **AIM-2** inflammasomes is implicated in tissue destruction in both **periodontitis** and **peri-implantitis**

Identifying **specific triggering factors** remains essential to advance targeted therapies and improve the prognosis of these pathologies



Peroxidase-conjugated micropolymer method visualized with **DAB**