

NON CANONICAL NFKB ACTIVATION PROMOTES EXPRESSION OF CCL21 IN PODOCYTES





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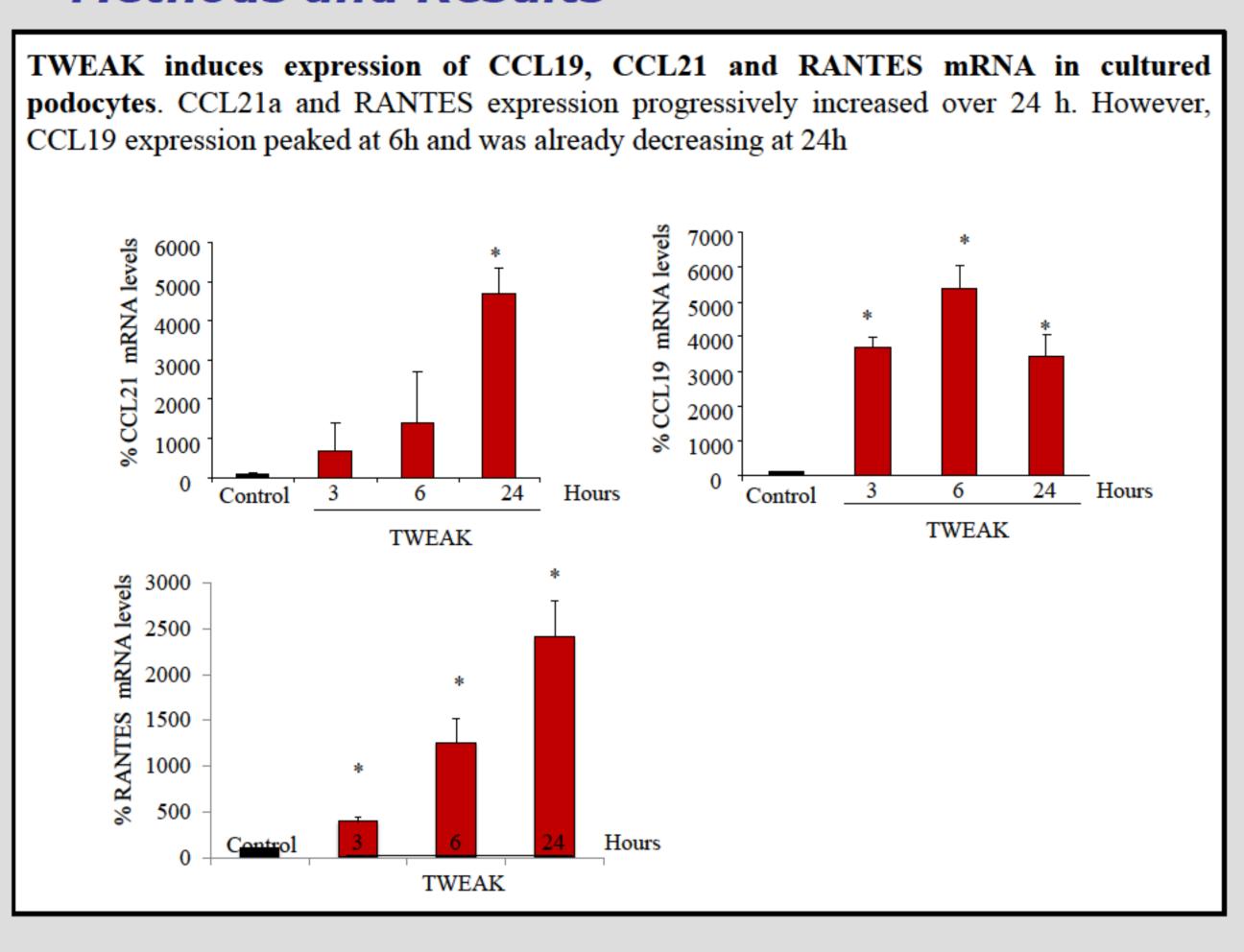
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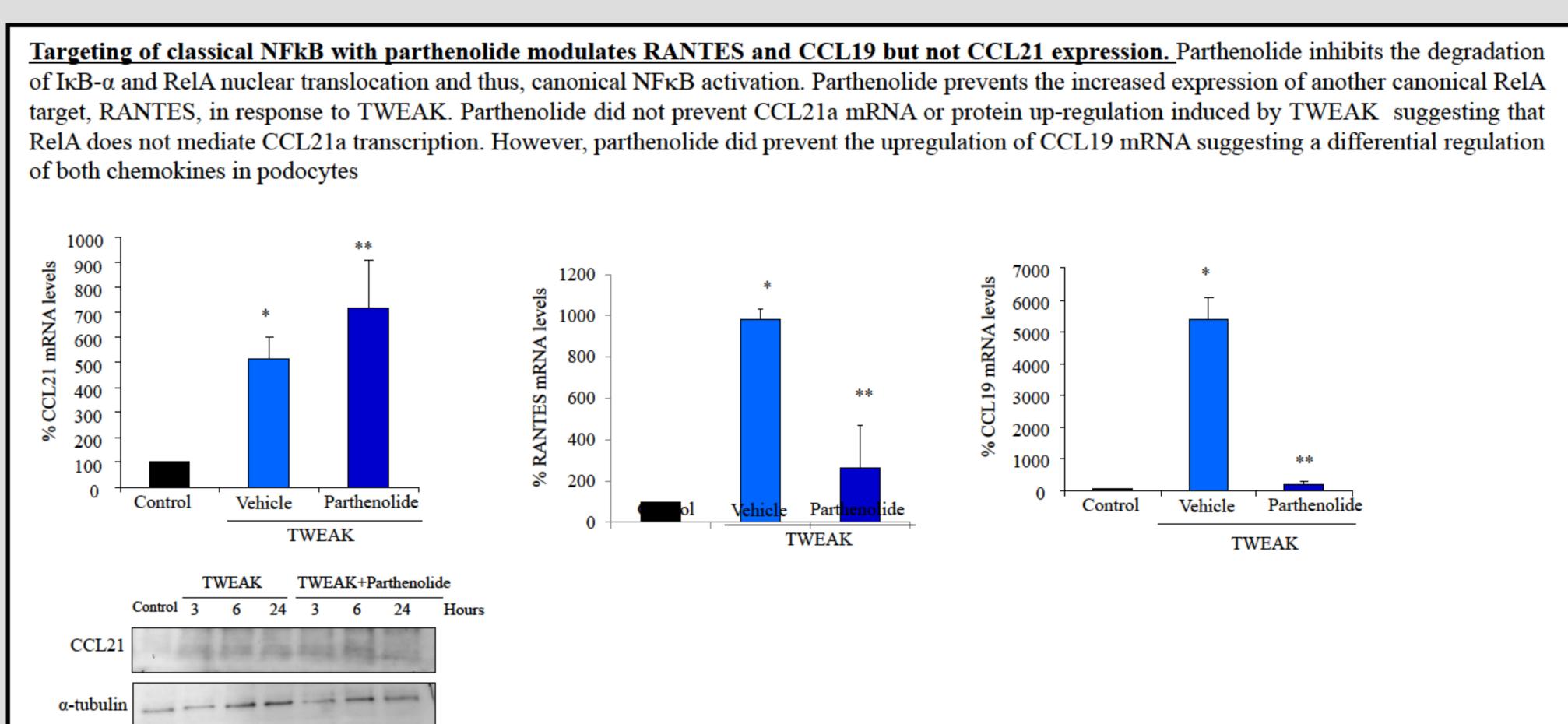
Background and Aims

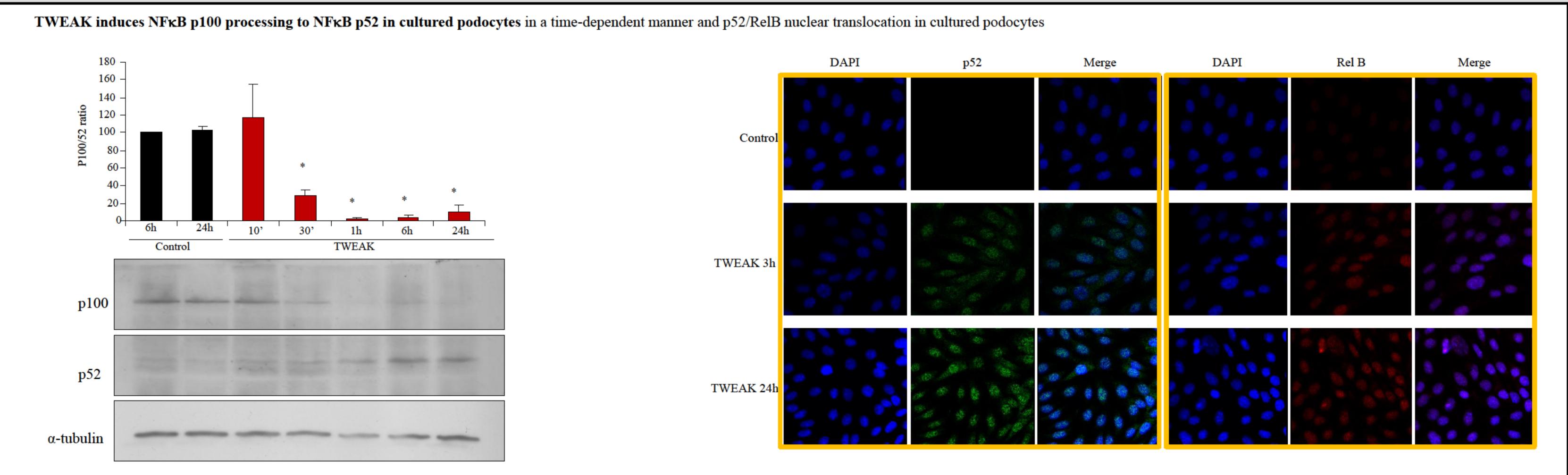
The TNF-like weak inducer of apoptosis (TWEAK) receptor Fn14 is expressed by podocytes and Fn14 deficiency protects from proteinuric kidney disease in experimental animals. However, the downstream effectors of TWEAK/Fn14 in podocytes are poorly characterized.

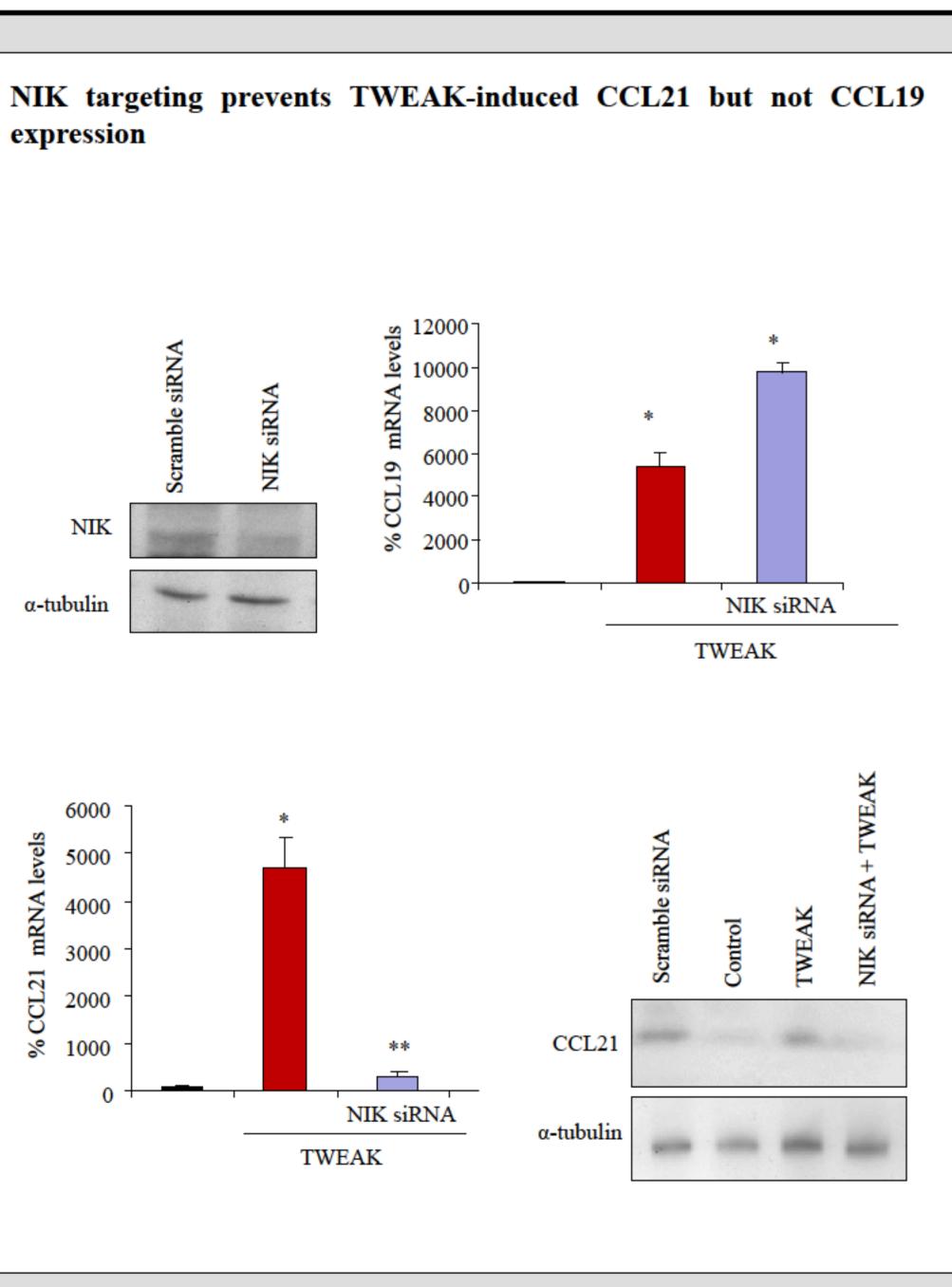
AIM: To explore TWEAK activation of non-canonical NFkB signaling in podocytes. Cultured murine podocytes and experimental rat nephrosis induced by puromycin were studied.

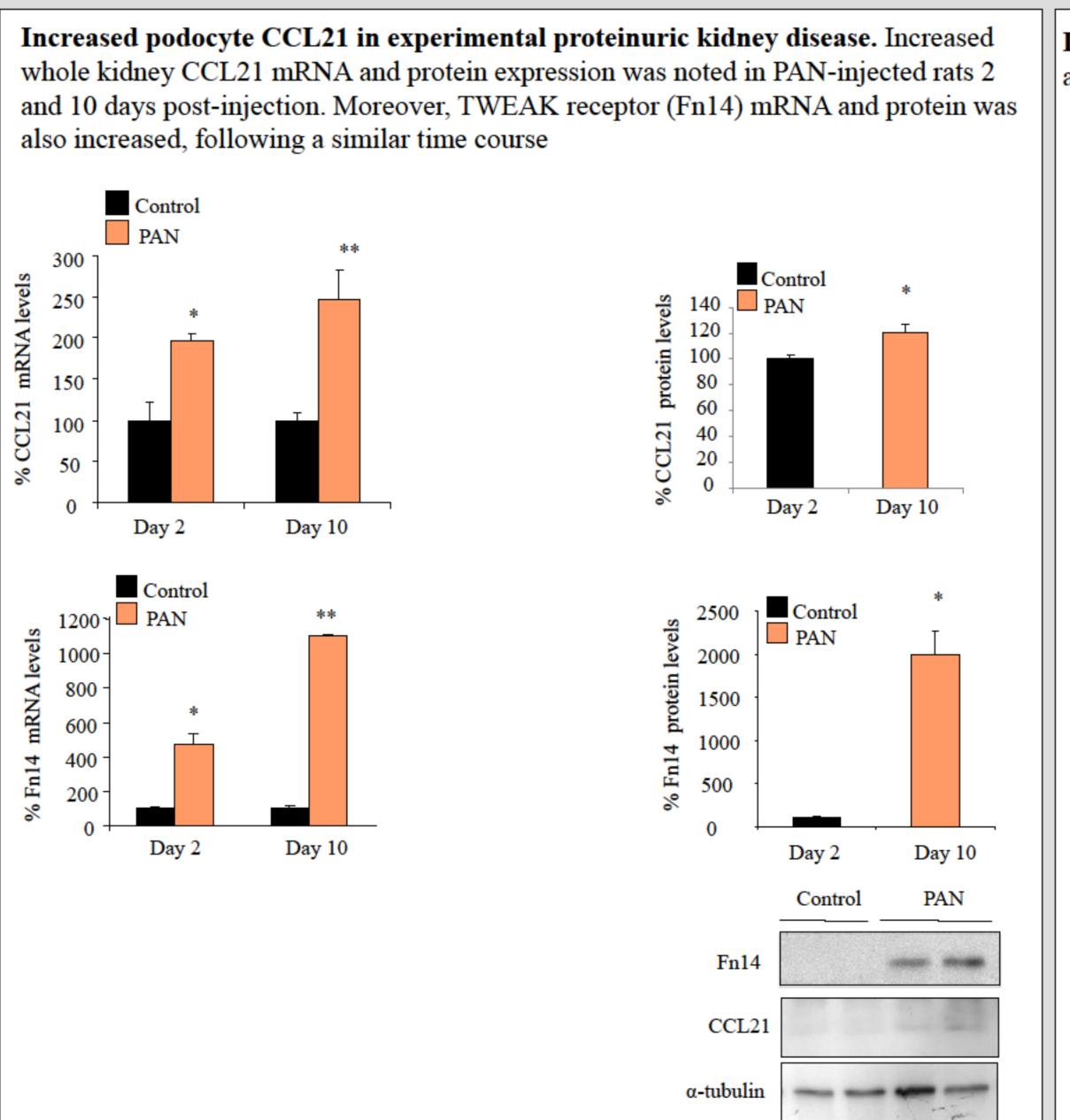
Methods and Results

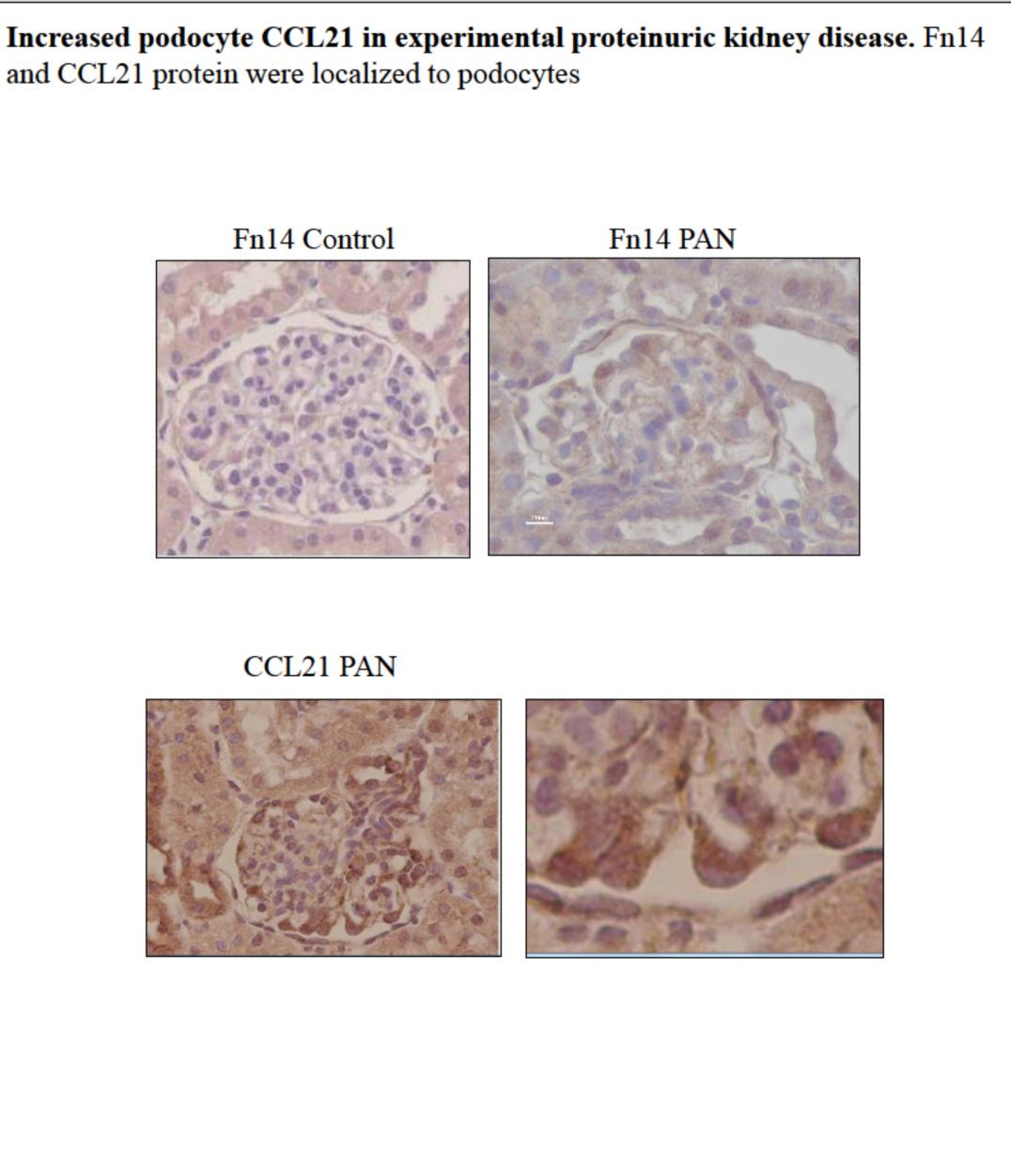












Conclusions

TWEAK activates the non-canonical NFkB pathway in podocytes, leading to upregulation of CCL21 expression The non-canonical NFkB pathway should be explored as a potential therapeutic target in proteinuric kidney disease.







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