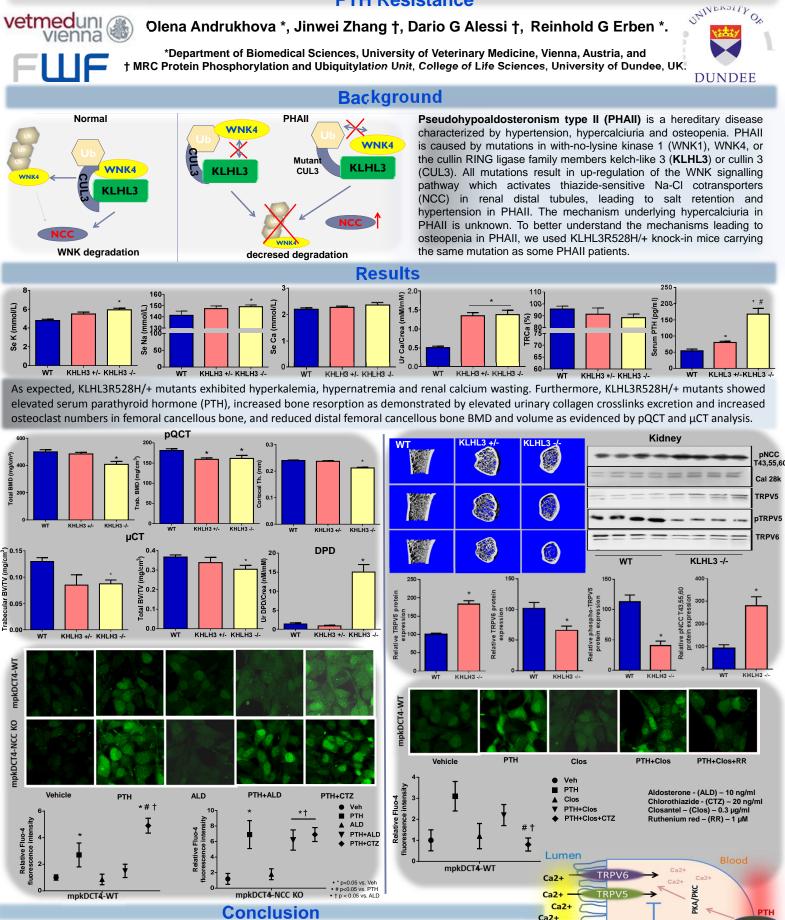
Bone Loss in KLHL3 Knock-In Mice Characterized by a Pseudohypoaldosteronism Type II-like Phenotype is Mediated by Renal PTH Resistance



Taken together, our study provides a mechanistic explanation for the hypercalciuria and bone loss found in PHAII patients: elevated WNK signaling increases NCC activity in KLHL3R528H/+ mice and blocks PTHmediated TRPV5 activation, leading to renal PTH resistance with subsequent renal Ca wasting and a counter-regulatory PTH-induced bone loss.