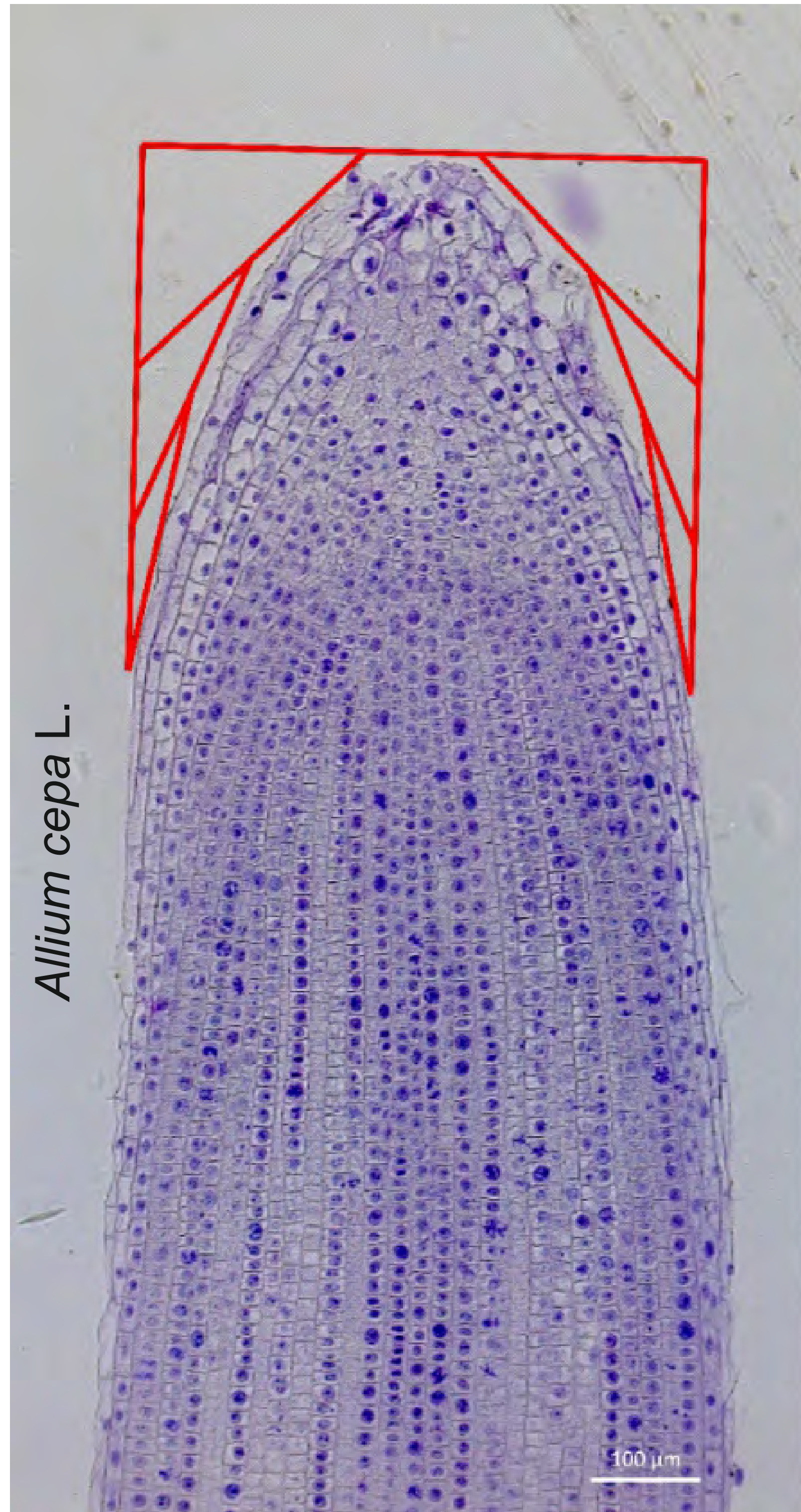
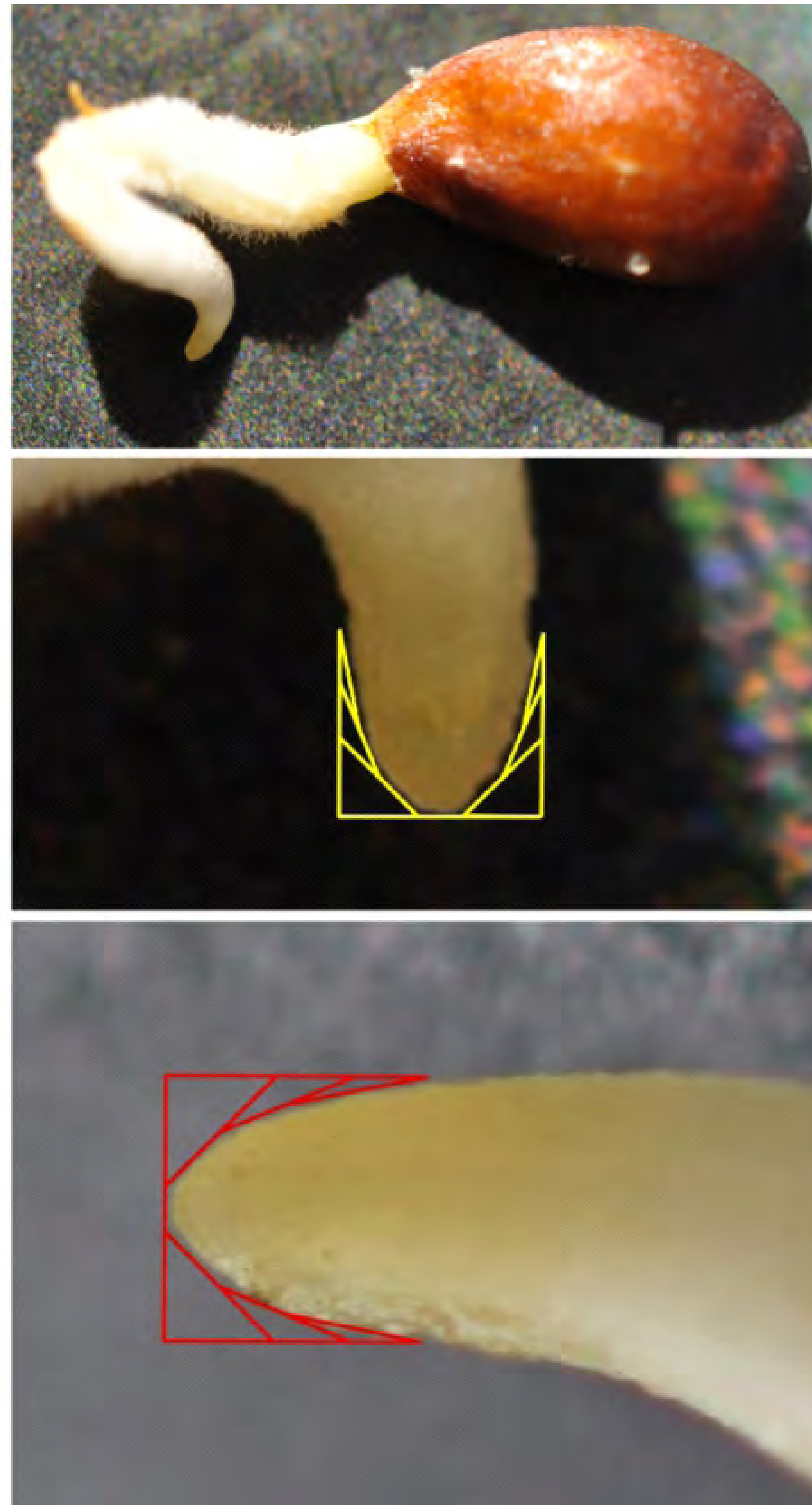


Penetrators - joint shapes in living and dead structures

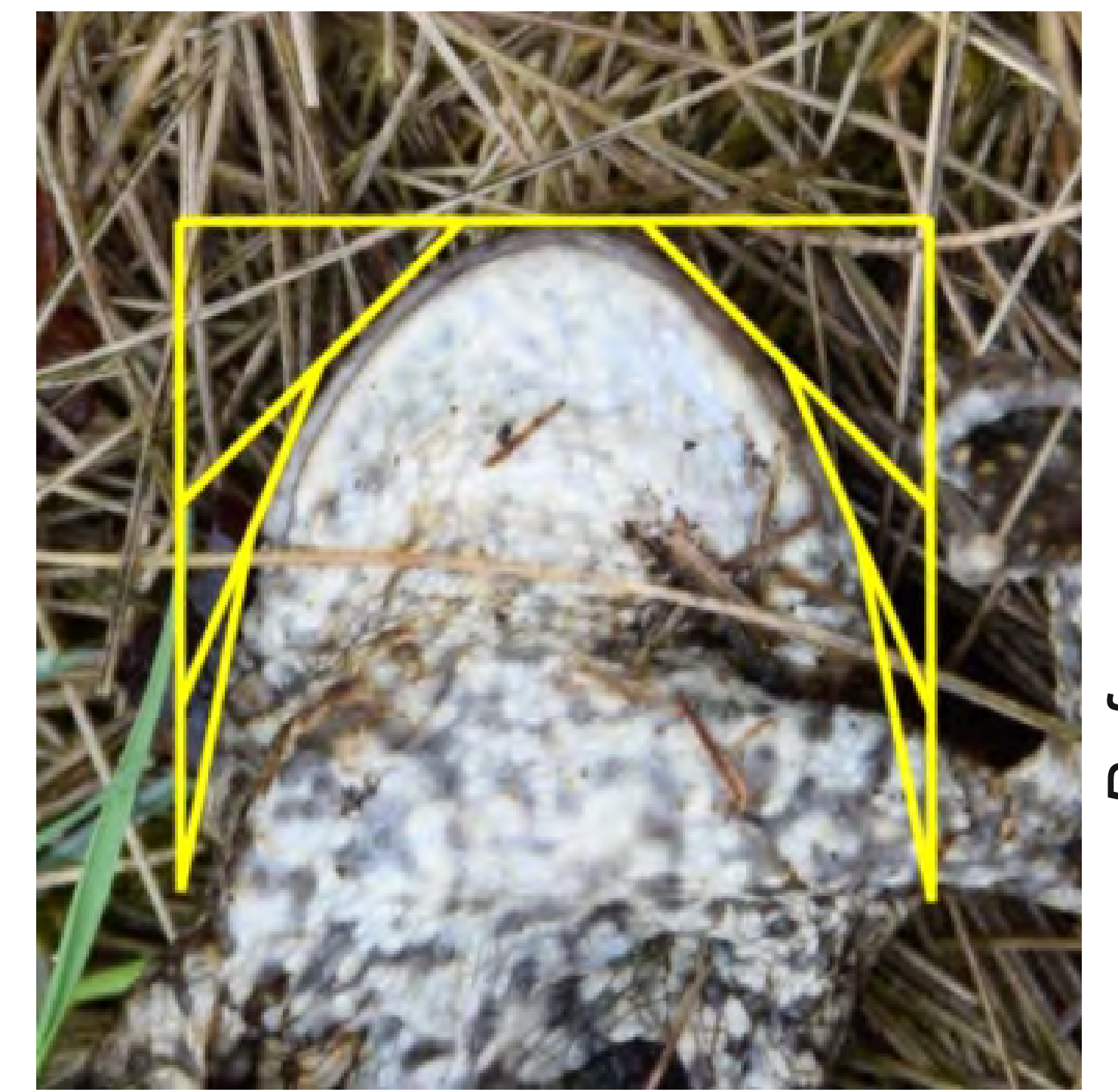
K. Weber, C. Mattheck, K. Bethge, I. Tesari



Root tip



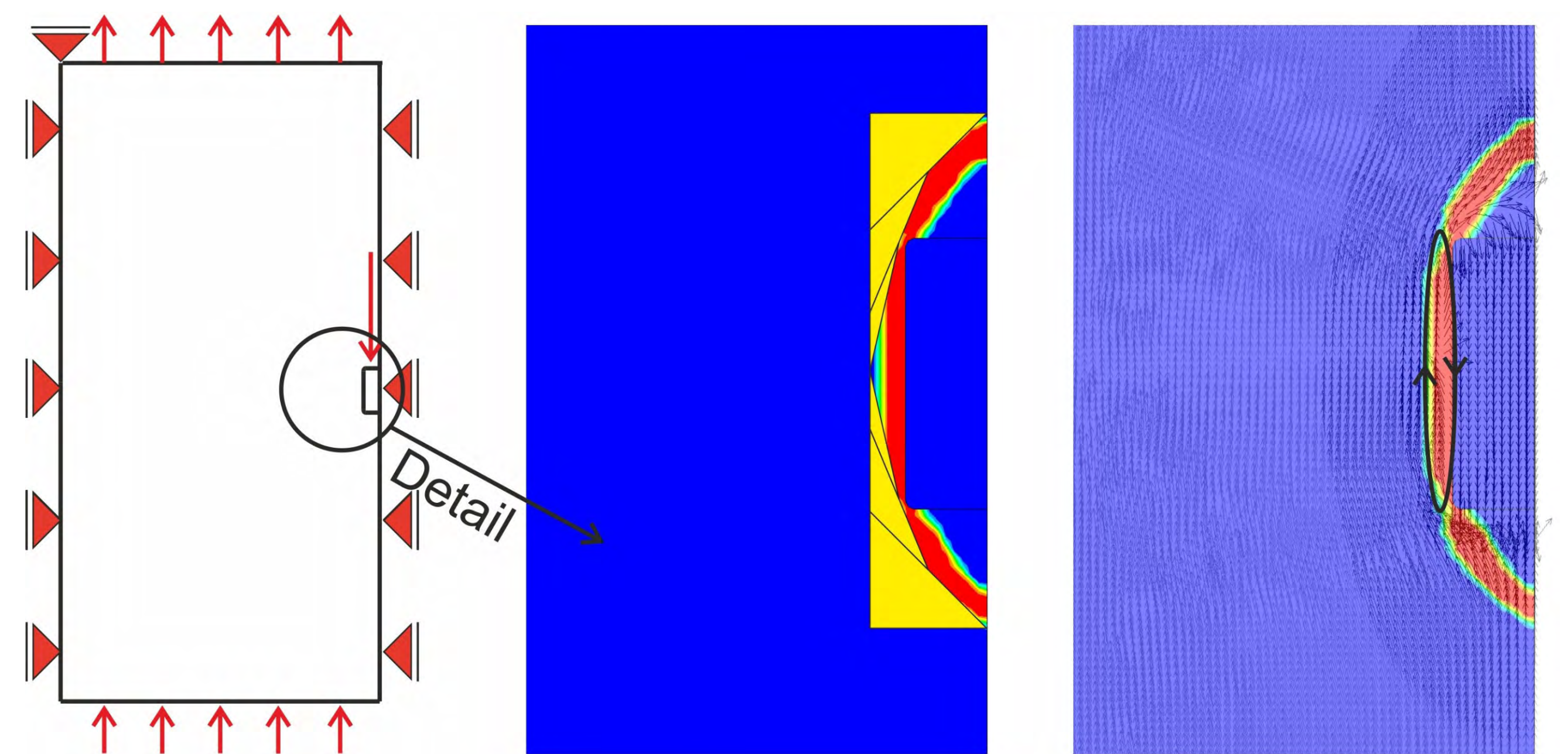
Rhizomorphic tips of armillaria



Toad's and water turtle's noses



Carp's nose



Plastic yielding zone



Pebble

