

GAL-extension

Het gebruik van funding agency en projectnummer in MODS ten behoeve van OpenAIRE

```
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  <titleInfo>
    <title>Understanding pollen tube growth: the hydrodynamic model versus the cell wall model</title>
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    <namePart type="family">Zonia</namePart>
    <namePart type="given">L.</namePart>
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        <gal:description>this is an optional description, as optional as the title</gal:description>
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  <abstract>Scientific progress stimulates the evolution of models used to understand and conceptualize biological behaviors. The widely
accepted cell wall model of pollen tube growth explains stochastic growth of the apical pectin wall, but fails to explain the mechanism driving
oscillations in growth and cell signaling. Recent advances led to the formulation of a new hydrodynamic model that explains the mechanism that
drives both stochastic and oscillatory growth, as well as oscillations in cell signaling and ion fluxes. A critical analysis of evidence that has been
used to challenge the validity of the hydrodynamic model yields new information on turgor pressure, cell mechanical properties and nonlinear
dynamics in pollen tube growth. These results may have broader significance for plant cell growth.</abstract>
  <relatedItem type="host">
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</titleInfo>
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