

# Of genes and cells, forces and shapes

## Multi-level modelling of development

symposium on the occasion of the PhD defence of Renske Vroomans  
6th January 2017

9:30  
Coffee and tea

10:00

Renske Vroomans (Utrecht University)

**Of clocks and waves, stripes and shapes: evo-devo models of sequential segmentation**

10:45

Isaac Salazar Ciudad (University of Helsinki)

**Integrating tissue bio-mechanics and signaling in embryonic development and evolution**

11:30

Coffee and tea

11:45

Roeland Merks (CWI, Amsterdam; Leiden University)

**Multiscale, cell-based modeling of tissue-level responses to mechanical strain**

12:30

Lunch

13:30

Jaap Kaandorp (University of Amsterdam)

**Modelling gene regulation and cell movement in the sea anemone *Nematostella vectensis***

14:15

Stan Marée (John Innes Centre, Norwich)

**What is in an image? Shedding light on developmental mechanisms through microscopy data.**

15:00

Coffee and tea

16:15

**PhD Defence Renske Vroomans**

The symposium takes place in the Belle van Zuylen zaal and the defence takes place in the Senaatszaal, Academiegebouw, Domplein 29, Utrecht