



# CDB SEMINAR

## Doris Wedlich

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Universitaet Karlsruhe (TH), Germany

Thursday, September 21

16:00~17:00 A7F Conference Room

## Cadherins as regulators of cell migration

### Summary

Cadherins are best characterized as mediators of tissue integrity. However, less is known about their role in migrating cells. As model system to study cell migration we use the *Xenopus* embryo. Cadherin-11, a type II classical cadherin, is expressed in cranial neural crest cells regulating migration velocity. Its knockdown results in loss of filopodia and lamellipodia formation, inhibition of cell migration and switch in cell fate.

XPAPC, a protocadherin, is expressed in the Spemann Organizer at the onset of gastrulation. It coordinates and directs cell movements during convergent extension. XPAPC activates RhoA and inhibits Rac-1 and is linked to different Wnt-signaling pathways.

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### Host:

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