

Name

Carl-Philipp Heisenberg

Research Keywords

Embryo morphogenesis, cell mechanics, cell migration

Education and Training

1997-2000 Postdoctoral training, University College London
1997 PhD, Max-Planck-Institute of Developmental Biology Tübingen/
Eberhard-Karls-Universität Tübingen
1995 MPhil, University of Cambridge
1992 Diploma Biology, Ludwig-Maximilians-Universität München

Professional Appointments

2010 Professor, IST Austria, Klosterneuburg, Austria
2001-2010 Group Leader and Emmy-Noether Junior Professor, Max-Planck-
Institute of Molecular Cell Biology and Genetics Dresden, Germany

Selected Awards and Distinctions

2017 Annual Science Prize Lower Austria
2017 ERC Advanced Grant
2016 Member EMBO
2015 Member German Academy of Sciences (Leopoldina)
2000 Emmy Noether Junior Professorship (DFG)
1997 Postdoctoral Fellowship Marie-Curie (EC)
1997 Postdoctoral Fellowship (EMBO)
1992 Exchange Student Fellowship (DAAD)

Major Professional Service Activities

2018- Member of the Board of Reviewing Editors at SCIENCE
2016- Member of the DFG Senate committee for Collaborative Research
Centers
2015- Member of the Scientific Advisory Board, Ingrid zu Solms Stiftung
Frankfurt
2014- Editorial Board Member Current Biology
2013- Editorial Board Member Development
2011- Editorial Board Member Developmental Biology, EMBO Journal
2010- Editorial Board Member Current Opinion in Cell Biology
2009-13 Editorial Board Member Developmental Dynamics
2009- Member of Faculty 1000, Section Head
2008-2012 Member of the DFG review panel Cell and Developmental Biology
2008-2014 Editor of PLoS ONE

Publication List

Book Chapters and Reviews

Spiró Z, Heisenberg CP.

Regeneration Tensed Up: Polyploidy Takes the Lead.

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Chan CJ, Heisenberg CP, Hiiragi T.

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Heisenberg CP.

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Actin rings of power

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Bollenbach T, Heisenberg CP.

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Smutny M, Behrndt M, Campinho P, Ruprecht V, Heisenberg CP.

UV laser ablation to measure cell and tissue-generated forces in the zebrafish embryo in vivo and ex vivo.

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Behrndt M, Heisenberg CP.

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Campinho P, Heisenberg CP.

The force and effect of cell proliferation.

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- Morita H, Heisenberg CP.
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- Tada M, Heisenberg CP.
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- Barone V, Heisenberg CP.
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Curr Opin Cell Biol. 2011 Dec 13.
- Maître JL, Heisenberg CP.
The role of adhesion energy in controlling cell-cell contacts.
Curr Opin Cell Biol. 2011 Oct;23(5):508-14.
- Krens G, Heisenberg CP.
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Journal Publications

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Signaling Determines Cell Fate.
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