

# Martina Held - Curriculum Vitae

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**Work address:**

Behavioral Physiology and Sociobiology  
(Zoology II)  
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## **Personal**

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Born	September 19 <sup>th</sup> 1988, in Meisenheim, Germany
Citizenship	German
Family status	Unmarried

## **Employment history**

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Since 04/2017	<b>Julius Maximilian University of Wuerzburg</b> Research assistant Laboratory of Prof. Dr. Keram Pfeiffer
10/2014 – 03/2017	<b>Philipps-University Marburg</b> Research assistant Laboratory of Dr. Keram Pfeiffer
03/2014 – 10/2014	<b>Philipps-University Marburg &amp; SYNMIKRO</b> Research assistant Laboratories of Professors Drs. Uwe Homberg and Uwe Maier
08/2013 – 03/2014	<b>Philipps-University Marburg &amp; SYNMIKRO</b> Graduate assistant of Dr. Andreas Klingl Core Facility Electron-Microscopy
05/2012 – 05/2013	<b>Philipps-University Marburg</b> Graduate assistant Laboratory of Prof. Dr. Uwe Homberg

## **Education/Degrees**

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Since 10/2014	<b>Philipps-University Marburg</b> Graduate student in neurobiology Laboratory of Prof. Dr. Keram Pfeiffer
10/2011 – 03/2014	<b>Philipps-University Marburg</b> Master of Science in Organismic Biology; Title of thesis: „Anatomy and ultrastructure of microglomerular synaptic complexes in the polarization vision pathway of the honeybee <i>Apis mellifera</i> “ (overall grade: very good: 1.5)
10/2008 – 09/2011	<b>Philipps-University Marburg</b> Bachelor of Science; Title of thesis: „Populationmanagement of the Asiatic lion ( <i>Panthera leo ssp. Persica</i> ): the European endangered species program in zoological gardens.“ (overall grade: good: 2.2)

## **Awards/Grants/Stipends**

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- 2017 Visitor project stipend (21.365 \$), Howard Hughes Medical Institute, USA
- 2016 Visitor project stipend (18.312 \$), Howard Hughes Medical Institute, USA
- 2016 Poster Award, Central complex conference IV, Howard Hughes Medical Institute/Janelia Research Campus, Ashburn, USA
- 2016 Conference travel scholarship (1.036\$), Howard Hughes Medical Institute/Janelia Research Campus, Ashburn, USA

## **Publications**

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- 2016 **Held M**, Berz A, Hensgen R, Muenz T, Scholl C, Homberg U, Rössler W, Pfeiffer K (2016). Microglomerular synaptic complexes in the sky-compass network of the honeybee connect parallel pathways from the anterior optic tubercle to the central complex. *Front Behav Neurosc.* 10:186
- 2015 Zeller M, **Held M**, Bender J, Berz A, Heinloth T, Hellfritz T, Pfeiffer K (2015): Transmedulla neurons in the sky compass network of the honeybee (*Apis mellifera*) are a possible site of circadian input. *PLoS One.* 10(12):e0143244

## **Conference presentations**

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- 2017 **Held M**, Deo C, Lavis L, Jayaraman V, Pfeiffer K  
Poster: Calcium imaging in behaving honeybees  
Neuroscience 2017, Washington D.C., USA
- 2016 **Held M**, Homberg U, Pfeiffer K  
Poster and talk: Microglomerular synaptic complexes in the bulbs of the honeybee.  
Central complex Conference IV, Howard Hughes Medical Institute/Janelia Research Campus, Ashburn, USA
- 2015 **Held M**, Homberg U, Pfeiffer K  
Poster: Ultrastructure and anatomy of microglomerular synaptic complexes in the polarization vision pathway of honeybees.  
108. Annual meeting of the German Zoological Society, Graz, Austria
- Pfeiffer K, Zeller M, **Held M**, Bender J, Berz A, Heinloth T, Hellfritz T  
The polarization vision pathway in honeybees and bumblebees.  
108. Annual meeting of the German Zoological Society, Graz, Austria
- 2014 Pfeiffer K, Zeller M, Berz A, Heinloth T, **Held M**, Hensgen R, Peters S, Homberg U  
The polarization-vision pathway of bees.  
11<sup>th</sup> International Congress of Neuroethology, Sapporo, Japan
- Held M**, Berz A, Homberg U  
The polarization vision system of insects.  
Seminar Development and Plasticity of the Insect Nervous System, Rauschholzhausen

2013

**Held M**, Homberg U, Pfeiffer K

Poster: Microglomerular synaptic complexes in the polarization vision pathway of the honeybee.

106. Annual Meeting of the German Zoological Society, München

Pfeiffer K, **Held M**, el Jundi B, Homberg U (2013):

The neural basis of polarization vision in bees and locusts: similarities and differences.

106. Annual meeting of the German Zoological Society, München

## ***Collaborations***

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03 – 09/2017

Visitor project: Dr. Vivek Jayaraman, Howard Hughes Medical Institute/Janelia Research Campus  
(Calcium imaging in tethered walking honeybees)

06 – 10/2016

Visitor project: Dr. Vivek Jayaraman, Howard Hughes Medical Institute/Janelia Research Campus  
(Calcium imaging in the central complex of honeybees)

2016

Dr. Wolfgang Rössler, Julius-Maximilians-University Würzburg  
(Microglomerular synaptic complexes in the honeybee)

06/2015

Research visit: Dr. Silke Sachse, Max Planck Institute for Chemical Ecology  
(Calcium imaging in the sky-compass pathway of bees)