# Judith Van Houten

PUBLICATIONS

Publications since retirement June 2018:

A novel role for polycystin-2 (Pkd2) in *P. tetraurelia* as a probable Mg2+ channel necessary for Mg2+- induced behavior.  
Megan S. Valentine, Junji Yano and Judith Van Houten  
Genes (2019) 10 (6) 455 <https://doi.org/10.3390/genes10060455>

SF-Assemblin genes in *Paramecium*: phylogeny and phenotypes of RNAi silending on the ciliary-striated rootlets and surface organization. Ashikun Nabi, Junji Yano, Megan S. Valentine, Typer Picariello, Judith L. Van Houten. Cilia 8: 2 (2019) DOI :10.1186/s13630-019-0062-y.

Calcium Ca2+pumps regulate intraciliary Ca2+from the action potential and may co-localize with ciliary voltage-gated Ca2+channels. Junji Yano, Russell Wells, Ying-Wai Lam, and Judith L. Van Houten. Journal of Experimental Biology (2021) 224 doi:10.1242/jeb232074

Using Paramecium as a Model for Ciliopathies, [Megan Valentine](https://sciprofiles.com/profile/661098) and [Judith Van Houten](https://sciprofiles.com/profile/111721), *Genes* (2021), *12*(10), 1493; <https://doi.org/10.3390/genes12101493>

Valentine, M.S. & Van Houten, J. (2022) Ion channels of cilia: *Paramecium* as a model. *Journal of Eukaryotic Microbiology*, 00, e12884. Available from: <https://doi.org/10.1111/jeu.12884>

Paramecium, a model to study ciliary beating and ciliogenesis: Insights from cutting-edge approaches; Provisionally accepted; Frontiers in Cell and Developmental Biology March (2022) [Khaled Bouhouche](https://loop.frontiersin.org/people/1671910/overview), [Megan S. Valentine](https://loop.frontiersin.org/people/642509/overview), Pierrick Le Borgne, Michel Lemullois, [Junji Yano](https://loop.frontiersin.org/people/1652812/overview), [Sukanya Lodh](https://loop.frontiersin.org/people/1627240/overview), Ashikun Nabi, [Anne-Marie Tassin](https://loop.frontiersin.org/people/300973/overview) and [Judith Van Houten](https://loop.frontiersin.org/people/640270/overview) 10.3389/fcell.2022.847908

Chapters since retirement:

J. Van Houten “Paramecium” Springer Nature Switzerland AG (2019) W. Tworzydlo, S.M. Bilinski (eds). Evo-Devo: Non-model Species in Cell and Developmental Biology. Results and Problems in Cell Differentiation. <https://doi.org/10.1007/987-3-030-23459-1_13>

Valentine, M.S. and Van Houten, J. 2022. Chemotaxis, Chemotropism, Motility in Cell Physiology Source Book, 5th Edition of Cell Physiology Sourcebook. Editor Edna S. Kaneshiro, Department of Biological Sciences, University of Cincinnati, Cincinnati, Ohio, in press

* J. Van Houten Springer Nature Switzerland AG 2019 W. Tworzydlo, S.M. Bilinski (eds). Evo-Devo: Non-model Species in Cell and Developmental Biology. Results and Problems in Cell Differentiation.<https://doi.org/10.1007/987-3-030-23459-1_13>
* Megan S. Valentine, Junji Yeno and Judith Van Houten  
  A novel role for polycystin-2 (Pkd2) in *P. tetraurelia* as a probable Mg2+ channel necessary for Mg2+- induced behavior. Genes 2019 10 (6) 455 <https://doi.org/10.3390/genes10060455>
* Ashikun Nabi, Junji Yano, Megan S. Valentine, Typer Picariello, Judith L. Van Houten.  
  SF-Assemblin genes in *Paramecium*: phylogeny and phenotypes of RNAi silencing on the ciliary-striated rootlets and surface organization. Cilia 8: 2 (2019) DOI :10.1186/s13630-019-0062-y.
* Junji Yano, Russell Wells, Ying-Wai Lam, and Judith L. Van Houten.Calcium Ca2+pumps regulate intraciliary Ca2+from the action potential and may co-localize with ciliary voltage-gated Ca2+channels. Journal of Experimental Biology (2021) 224 doi:10.1242/jeb232074Christopher Koliba, Asim Zia, Andrew W Schroth, Arne Bomblies, Judith Van Houten, Donna M Rizzo. The Lake Champlain Basin as a Complex Adaptive System: Insights from the Research on Adaptation to Climate Change (RACC) Project. Vermont Journal of Environmental Law. 2016;17(4):533-563 [(pdf)](http://epscor.w3.uvm.edu/judy/documents/LAKECHAMPLAINBASIN.pdf)
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