

## CURRICULUM VITAE

Junji Yano

ADDRESS: Department of Biology

218A, Marsh Life Science Bldg.

University of Vermont

Burlington, VT 05405-0086

BIRTH DATE: 1/15/50, Kagawa-ken, Japan

VISA STATUS: Permanent residence (through 11/1/94)

### EDUCATION:

Institution Dates Field Degrees

Kanazawa University, Department of Biology, 4/69-3/75 Biology B.S., M.S.

Hiroshima University, Department of Zoology, 4/75-3/88 Zoology Dr.Sci.

### Fellowship:

1975-1978 Nippon Ikuei-kai Fellowship for graduate student

1981-1982 Nippon Gakujutu Shinkou-kai Fellowship for

Postdoctoral Fellow

1998.5-99.4. The award from the University Committee on Research

Scholarship (University of Vermont)

1998.6-98.8. Faculty Summer Research Fellowship

## Professional Experience:

### Position held

4/88-12/91 Postdoctoral Fellow at Zoological Institution, Faculty of Science, Hiroshima University, Higashi- Hiroshima, Japan.

1/92-6/92 Research associate of physiology at University of Virginia School of Medicine, Charlottesville, VA.

7/92-4/93 Postdoctoral researcher at The Ohio State Biotechnology Center, The Ohio State University, Columbus, OH.

5/93-2/95 Postdoctoral associate, Department of Zoology, University of Vermont, Burlington, VT.

3/95-8/01 Research associate, Department of Biology, University of Vermont, Burlington, VT.

9/01-current Research assistant professor, Department of Biology, University of Vermont, Burlington, VT.

### Publications:

1. Yano J. 1985. Mating types and conjugant fusion with macronuclear union in *Stylonychia pustulata* (Ciliophora). Journal of Science of the Hiroshima University Series B Division 1 (Zoology), 32: 157-176.
2. Yano J. 1985. Right and left conjugants in *Stylonychia pustulata* (Ciliophora). Journal of Science of the Hiroshima University Series B Division 1 (Zoology), 32: 177-192.
3. Yano J. 1985. Degeneration of the cortical organelles and nuclear changes in the split members from the early conjugating pairs in *Stylonychia pustulata* (Ciliophora). Journal of Science of the Hiroshima University Series B Division 1 (Zoology), 32: 193-208.
4. Yano J. 1985. Characters of progeny clones from conjugant fusion in *Stylonychia pustulata* (Ciliophora). Journal of Science of the Hiroshima University Series B Division 1 (Zoology), 32: 209-221
5. Yano J. 1986. Effects of actinomycin D and cycloheximide on pair formation and conjugant fusion in *Stylonychia pustulata* (Ciliophora). Journal of Science of the Hiroshima University Series B Division 1 (Zoology), 32: 255-270.

6. Yano J. and M. Suhama. 1990. Effect of cycloheximide on meiosis and other nuclear changes during conjugation in the ciliate *Stylonychia pustulata* Journal of Science of the Hiroshima University Series B Division 1 (Zoology), 34: 19-28.
7. Yano J. and M. Suhama. 1990. Nuclear behavior in triple-conjugant complexes of the ciliate *Stylonychia pustulata*: inhibition of meiosis and retention of the macronucleus. *Europ. J. Protistol.* 25:331-337.
8. Yano J. and M. Suhama. 1991. Pattern formation in mirror-image doublets of the ciliate *Stylonychia pustulata*. *J. Protozool.* 38: 111-121.
9. Yano J. and M. Suhama. 1992. Effect of actinomycin D on nuclear events during conjugation in the ciliate *Stylonychia pustulata*. *Zool. Sci.* 9:89-99.
10. Yano J., D. Fraga, B. Hinrichsen and J. Van Houten. 1996. Effects of calmodulin antisense oligonucleotides on chemoresponse in *Paramecium*. *Chemical Senses* 21 55-58.
11. Fraga D., J. Yano, M. W. Reed, R. Chung, W. Bell, J. L. 1998. Van Houten and R. Hinrichsen. Introducing antisense oligodeoxynucleotides into *Paramecium* via electroporation. *J. Euk. Microbiol.* 45: 582-588.
12. Yano J., V. Rakochy and J. L. Van Houten. 2003. Glycosyl phosphatidylinositol-anchored proteins in chemosensory signaling: antisense manipulation of *Paramecium tetraurelia* PIG-A gene expression. *Eukaryotic Cell* 2: 1211-1219.
13. Bell W. E., R. Preston, J. Yano, and J. L. Van Houten. 2007. Genetic dissection of attractant-induced conductances in *Paramecium*. *J Exp Biol.* 210: 357-65.
14. Valentine M., J. Yano, and J. L. Van Houten. 2008. Chemosensory transduction in *Paramecium*. *Japanese Journal of Protozoology* 41:1-7.
15. Van Houten J.L., M, Valentine, and J. Yano. 2010. Behavioral genetics of *Paramecium*. In Breed M.D. and Moore J. (eds) *Encyclopedia of Animal Behavior*, pp.677-682. Oxford: Academic Press.
16. Valentine M. S., A. Rajendran, J. Yano, S. D. Weeraratne, J. Beisson, J. Cohen, F. Koll, and J. Van Houten. 2012. *Paramecium* BBS genes are key to presence of channels in Cilia. *Cilia*. 2012 Sep 3;1(1):16. doi: 10.1186/2046-2530-1-16.
17. Yano J., A. Rajendran, M. S. Valentine, M. Saha, B. A. Ballif, and J. L. Van Houten. 2013. Proteomic analysis of the cilia membrane of *Paramecium tetraurelia*. *J. Proteomics.* 78: 113-122.
18. Picariello T, M. S. Valentine, J. Yano, and J. Van Houten. 2014. Reduction of meckelin leads to general loss of cilia, ciliary microtubule misalignment and distorted cell surface organization. *Cilia*. 2014 Jan 31; 3(1):2. doi: 10.1186/2046-2530-3-2.

19. Yano J., M. S. Valentine, and J. Van Houten. 2015. Novel insights into the development and function of cilia using the advantages of the *Paramecium* cell and its many cilia. *Cells* **2015**, 4, 297-314; doi:10.3390/cells4030297.

20. Lodh S., Yano J., M. Valentine, and J. Van Houten 2016. Voltage-gated calcium channels of *Paramecium* cilia, *J. Exp. Biol.* 219: 3028-3038.

21. Van Houten J. L., M. Valentine M., and J. Yano 2017. *Paramecium* behavioral genetics, In Reference Module in Life Sciences, Elsevier, 2017, ISBN: 978-0-12-809633-8, <http://dx.doi.org/10.1016/B978-0-12-809633-8.01166-3>

### **Professional Meeting/Abstract:**

1. Yano J., F. Hecht and J. Van Houten. Antisense oligonucleotides to perturb calmodulin function in chemoresponse. *Chemical Senses* 19:575-576, 1994.

2. Yano J., W. Bell and J. Van Houten. Antisense oligonucleotides to disrupt *Paramecium* chemoresponse. *Chemical senses* 20: 805, 1995.

3. Van Houten J., J. Yano and J. P. Stabila. Role of Calcium ATPase in *Paramecium* chemoresponse. *Soc. for Neuroscience* 21: 133, 1995.

4. Van Houten J. L., W. Bell and J. Yano. Reduction of calmodulin mRNA and protein correlates with inhibition of chemoresponse by antisense oligonucleotides. *Chemical Senses* 21:683, 1996.

5. Yano J., J. P. Stabila and J. L. Van Houten. Colocalization of cAMP chemoreceptor and Ca<sup>2+</sup>-ATPase in *Paramecium*. *Chemical Senses* 21: 690-691, 1996.

6. Yano J., W. Bell and J. L. Van Houten. Role for calmodulin and the plasma membrane calcium pump in glutamate chemical response. *Chemical Senses* 22:828, 1997.

7. Yano J., V. Rakochoy, J. Stabila and J. L. Van Houten. Calcium pump in chemoresponse: role of the calmodulin binding domain. *Chemical Senses* 22: 829, 1997.

8. Yano J., V. Rakochoy and J. L. Van Houten. Plasmids expressing the calmodulin binding domain of the plasma membrane calcium pump cause reduced chemoresponse to glutamate in *Paramecium*. *Soc. for Neuroscience* 23: 1038, 1997.

9. Yano J., V. Rakochoy and J. L. Van Houten. Calmodulin binding domain of the calcium pump: role in chemoresponse in *Paramecium*. *Chemical Senses* 23:603, 1998.

10. Bell W. E., R. R. Preston, J. Yano, J. F. Fiekers and J. L. Van Houten. Genetic dissection of biotin and acetate induced membrane currents in *Paramecium* chemoresponse. *Chemical Senses* 24:570, 1999.

11. Van Houten J. L., J. Yano, V. Rachochoy and J. D. Herlihy. GPI anchored proteins in *Paramecium*'s chemoresponse to folate. Soc. for Neuroscience 25: 127, 1999.
12. Murakami L. G., J. Yano, R. R. Preston and J. L. Van Houten. Antisense approach to GPI anchored chemoreceptions in *Paramecium*. Soc. for Neuroscience 25: 127, 1999.
13. Murakami L. G., J. L. Van Houten, J. Yano, V. Rakochoy and R. R. Preston. Regulation of the PMCA in chemoresponse in *Paramecium*. Soc. for Neuroscience 26: 1207, 2000.
14. Yano J., K. Garner, J. D. Herlihy, V. Rachochoy, W. N. White and J. L. Van Houten: GPI anchored proteins in the chemoresponse of *paramecium* to folate. Chemical senses 26: 743, 2001.
15. Van Houten J. L., J. Yano, V. Rakochoy, L. Gannon-Murakami and R. R. Preston. Chemoresponse in *Paramecium*: involvement of the calcium pump. Chemical Senses 26: 757, 2001.
16. Gannon-Murakami L., J. Yano, V. Rachochoy, R. R. Preston and J. L. Van Houten. Chemoresponse in *Paramecium*: involvement of the calcium pump. Chemical Senses 26: 1125, 2001.
17. Hruska M., J. Yano, K. Garner, V. Rackochoy, R. Tween and J. L. Van Houten. GPI anchored protein in the chemoresponse of *Paramecium* to folate. Chemical Senses 26: 1061, 2001.
18. Gannon-Murakami L., J. Yano, V. Rakochoy and J. L. Van Houten. Plasma membrane calcium pump isoforms in chemosensory transduction: localization in lipid rafts or cytoskeleton. Soc. for Neuroscience 27: 161, 2001.
19. Gannon-Murakami L., J. Yano, V. Rakochoy, M. Valentine, M. Zhukovskaya, R. R. Preston and J. Van Houten. Calcium pump isoforms in chemoresponse. Chemical Senses 27: A69, 2002.
20. Yano J., V. Rakochoy, R. R. Preston, L. Gannon-Murakami and J. Van Houten. Calcium pumps, lipid rafts and GPI anchored proteins in chemoresponse. Chemical Senses 27: A96, 2002.
21. Yano J., V. Rakochoy, R. R. Preston and J. L. Van Houten. GPI anchored proteins and lipid rafts in chemoresponse. Soc. For Neuroscience 28: 335.1 (2002).
22. Gannon-Murakami L., J. Yano, M. Valentine, M. Zhukovskaya, G. Mawe, R. R. Preston and J. L. Van Houten. Regulation of calcium pumps in chemoresponse. Soc. For Neuroscience 28: 335.2 (2002).
23. Yano J., M. Valentine, S. Chandran, S. Weeraratrane, S. Kasper, Y. Pan, R. R. Preston and J. L. Van Houten. GPI anchored proteins and lipid rafts in chemosensory transduction. Chemical senses 28: A74, 2003.

24. Gannon-Murakami L., J. Yano, M. Valentine, R. R. Preston and J. L. Van Houten. Calcium pump isoforms in chemosensory transduction. *Chemical senses* 28: A74, 2003.
25. Yano J., S. Chandran, S. Weeraratne and J. L. Van Houten. Organization of GPI anchored proteins and lipid rafts in a chemosensory cell. *Soc. for Neuroscience* 29: 820.2, 2003.
26. Gannon-Murakami L., J. Yano, R. R. Preston and J. L. Van Houten. Disruption of PMCA leads to disruption of chemoresponse. *Soc. for Neuroscience* 29: 820.3, 2003.

Professional Affiliation:

27. Yano J., M. Zhukovskaya, R. R. Preston, Y. Pan, M. Keiser and J. L. Van Houten. Plasma membrane calcium pumps functioning in chemical sensing, *Achems XXVI*, Sarasota, FL, 2004.
28. Weeraratne S. D., M. Valentine, J. Yano, and J. L. Van Houten. GPI anchored receptors in chemosensory transduction. *Achems XXVI*, Sarasota, FL, 2004.
29. Chandran S., K. Ray, J. Yano, and J. L. Van Houten. Lipid rafts in chemosensory transduction. *Achems XXVI*, Sarasota, FL, 2004.
30. Van Houten J. L., S. Weeraratne, S. Chandran, and J. Yano. Organization of chemosensory signaling components in lipid rafts. *Achems XXVI*, Sarasota, FL, 2004.
31. Yano J. M. Zhulcovskaya, R. R. Preston, Y. Pan, M. Keier, M. S. Valentine and J. L. Van Houten. Plasma membrane calcium pumps functioning in chemical sensing. *ISTO/JASTA 2004*, Kyoto, Japan.
32. Van Houten J. L., K. Ray, Y. Pan, S. Chandran, S. D. Weeraratne, and J. Yano. Organization of chemosensory signaling components in lipid rafts. *Soc. For Neuroscience* 30: 178.1, 2004.
33. Pan Y., J. Yano, and J. L. Van Houten. The organization of plasma membrane calcium pumps in *Paramecium*: implications for signal transduction. *Achems XXVII*, Sarasota, FL, 2005.
34. Ray K., Y. Pan, S. Chandran, C. Johnstone, J. Yano, and J. L. Van Houten. Lipids rafts organize chemosensory signaling in *Paramecium*. *Achems XXVII*, Sarasota, FL, 2005.
35. Yano J., Y. Pan, and J. L. Van Houten. Plasma membrane calcium ATPase in *Paramecium*: localization and implication for chemical responses. *FASEB summer research conferences: Ciliate Molecular biology*. Italy. 2005.
36. Ray K., Y. Pan, J. Yano, and J. L. Van Houten. Lipid rafts organize chemosensory signaling in *Paramecium*. *Soc. For Neuroscience* 31: 613.2, 2005.
37. Pan Y., J. Yano, and J. L. Van Houten. Lipid rafts organize chemosensory signal transduction molecules in the chemoattraction of *Paramecium*. *ACHEMS, Chemical Senses* Vol. 31 No. 5 on line, 2006.

38. Pan Y., S. Weeratrane, J. Yano, and J. L. Van Houten. Folate Chemoreceptor and Lipid Rafts in *Paramecium* Chemoresponse. *Chemical Senses* Vol. 32 (5), 2007.
39. Jacobs C, S. D. Weeraratne, J. Yano, J. L. Van Houten. NMDA-receptor-like protein in *Paramecium* Chemoresponse to Glutamate. *Chemical Senses* Vol 32 (5), 2007.
40. Yano J., B. A. Ballif, S. Madhurima, and J. L. Van Houten. Proteomic analysis of the ciliary membrane of *Paramecium tetraurelia*. Ciliate Molecular Biology in FASEB summer research conferences, Tucson, Arizona (2007).
41. Jacobs C., S. D. Weerartne, J. Yano, M. Valentine, and J. L. Van Houten. *Paramecium tetraurelia* chemoresponses for folate and glutamate. Ciliate Molecular Biology in FASEB summer research conferences, Tucson, Arizona (2007).
42. Valentine M., J. Yano, and J. Van Houten. *Paramecium* Polycystin-2 and its Involvement in the Magnesium Channel Function. European GDR “Paramecium Genomics”, Potzberg, Germany (2008).
43. Rajendran A., M. Valentine, W. Bell, J. Beisson, J. Yano, J. Cohen, J. Van Houten, and F. Koll. Orthologs of human BBS genes are involved in channel function in motile cilia of *Paramecium tetraurelia*. European GDR “Paramecium Genomics”, Potzberg, Germany (2008).
44. Yano J., Rajendran A., M. Valentine, B. A. Ballif, S. Madhurima, and J. L. Van Houten. Proteomic analysis of the ciliary membrane of *Paramecium tetraurelia*. Ciliate Molecular Biology in FASEB summer research conferences, Vermont (2009).
45. Rajendran A., M. Valentine, W. Bell, J. Beisson, J. Yano, J. Cohen, J. Van Houten, and F. Koll. Orthologs of human BBS genes are involved in channel function in motile cilia of *Paramecium tetraurelia*. Ciliate Molecular Biology in FASEB summer research conferences, Vermont (2009).
46. Van Houten J. L., C. Jacobs, S. D. Weerarante, W. Bell, J. Yano, and M. Valentine. *Paramecium tetraurelia* chemoresponse for several attractants. Ciliate Molecular Biology in FASEB summer research conferences, Vermont (2009).
47. Valentine M., W. Bell, J. Yano, and J. Van Houten. *Paramecium* polycystin-2 and its involvement in mechanostimulation and the magesium channel. Ciliate Molecular Biology in FASEB summer research conferences, Vermont (2009).
48. Valentine M., F. Koll, J. Yano, J. Cohen, J. Van Houten, and F. Koll. MKS3 and parasomal sacs: folded and disturbed. Ciliate Molecular Biology in FASEB summer research conferences, Vermont (2009).
49. Majumder S., J.Yano, and I. L. Van houten. Characterization of Pawn A in *Paramecium tetraurelia*. Ciliate Molecular Biology in FASEB summer research conferences, Vermont (2009).

50. Svinkina T., M. Valentine, J. Yano, and J. L. Van Houten. Amino acid signaling and mTOR pathway in *Paramecium tetraurelia*. Ciliate Molecular Biology in FASEB summer research conferences, Vermont (2009).
51. Valentine, M., F. Koll, J. Yano, J. Cohen, and J. L. Van Houten. *Paramecium tetraurelia* as a model organism for the study of Meckelin (MKS3). *Paramecium* Genomics Meeting, Krakow, Poland 2009.
52. Rajendran A., M. Valentine, J. Beisson, F. Koll, J. Cohen, J. Yano, and J. L. Van Houten. Bardet-Biedl Syndrome (BBS) Proteins Play a Critical Role for Proper Ciliary Channel Localization and Function. Genomics Meeting, Krakow, Poland 2009
53. Valentine M., A. Rajendran, W. Bell, J. Beisson, J. Yano, J. Cohen, F. Koll, and Judith Van Houten. *Paramecium* Sheds light on Ciliary Proteins that are Key to Cilia Maintenance and Channel Function in Motile Cilia. Keystone February 2010
54. Van Houten J. L., A. Rajendran, M. Valentine, S. D. Weeraratne, J. Beisson, F. Koll, J. Cohen, and J. Yano. Bardet-biedel syndrome (bbs) orthologs in *Paramecium* affect expression of ion channels in the ciliary membrane. Society for Neuroscience, San Diego, November 2010
55. Yano J., A. Rajendran, M. Valentine, and J. L. Van Houten. Rab GTPases regulate the formation or maintenance of cilia in *Paramecium tetraurelia*. The biology of cilia and flagella in FASEB summer research conferences, Vermont (2010).
56. Valentine, S. M., J. Yano, and J. L. Van Houten. *Paramecium* polycystin 2 and its possible involvement with a magnesium channel. The biology of cilia and flagella in FASEB summer research conferences, Vermont (2010).
57. Rajendran A., M. Valentine, S. D. Weeraratne, J. Beisson, F. Koll, J. Cohen, J. Yano, J. and J. L. Van Houten. Bardet-Biedl Syndrome (BBS) Orthologs in *Paramecium* affect expression of ion channels in the ciliary membrane. The biology of cilia and flagella in FASEB summer research conferences, Vermont (2010)
58. Van Houten J., Yano J., and Majumder S. The cilia-specific voltage gated calcium channels of *Paramecium* Ciliate Molecular Biology in FASEB Summer Research Conferences, Greece, 2011.
59. Van Houten J. L., Yano J., Rajendran A., Valentine M., Weeraratne S. D., Beisson J. Koll F., and Cohen J. Bardet-Biedle syndrome (BBS) orthologs in *Paramecium* affect expression of ion channels in the ciliary membrane. Ciliate Molecular Biology in FASEB Summer Research Conference, Greece, 2011.
60. Yano J., Majumder S., and Van Houten J. PWA and other proteins required for cilia-specific voltage gated calcium channels to localize in the cilia. Polycystic Kidney Disease: From Bench to Bedside in FASEB Summer Research Conference, VT, 2011.



61. Van Houten J. L., Yano J., Rajendran A., Valentine., Weeranrahte S. D., Beisson J, Koll F., and Cohen J. Bardet-Biedl syndrome (BBS) orthologs affect expression of K channels but not Ca channels in the ciliary membrane. Polycystic Kidney Disease: From Bench to Bedside in FASEB Summer Research Conference, VT, 2011.
62. Yano J., M. S. Valentine, B. A. Ballif, and J. L. Van Houten. Proteomic analysis of the cilia membrane of *Paramecium tetraurelia*. Achems, April, 2012.
63. Van Houten J. L., J. Yano, M. S. Valentine, and B. A. Ballif. Proteomic analysis of ciliary membrane proteins. Neuroscience, November, 2012
64. Picariell T., M. Valentine, J. Yano, and J. Van Houten. Merklein functions in basal body orientation and cortical unit organization in *Paramecium tetraurelia*. Mol. Biol. Cell 23 (Suppl), Abstract No. 1171.
65. Yano J., Y-W. Lam, and J. L. van Houten. The plasma membrane calcium ATPases interacts with the voltage gated calcium channel to regulate intraciliary calcium in *Paramecium tetraurelia*. The Biology of Cilia & Flagella, FASEB, Niagara Falls, NY, 2013.
66. Van Houten J. L., J. Yano, S. Lodh, and M. S. Valentine. Trafficking of ion channels and other proteins into the Paramecium cilium. The Biology of Cilia & Flagella, FASEB, Niagara Falls, NY, 2013.
67. Valentine M., J. Yano, and J. Van Houten. New partner for polycystin-2 in the cell membrane. The Biology of Cilia & Flagella, FASEB, Niagara Falls, NY, 2013.
68. Picariello T., M. Valentine, J. Yano, and J. Van Houten. Merklein (MKS3) functions in the guided movement and orientation of basal bodies preceding their duplication in *Paramecium tetraurelia*. The Biology of Cilia & Flagella, FASEB, Niagara Falls, NY, 2013.
69. Van Houten, J. L., M. S. Valentine, and J. Yano. *Paramecium* expression of ion channels in the ciliary membrane. ICOP, Vancouver, 2013.
70. Valentine M., J. Yano, and J. Van Houten. Polycystin-2 in the cell and ciliary membrane. Ciliate Molecular Biology, FASEB, Steamboat Springs, CO, 2013.
71. Picariello T.A., M. S.Valentine, J Yano, and J. L.Van Houten. Meckelin guides orientation of basal bodies along the striated rootlet. Cilia, Development and Human Disease, Keystone Symposia, Tahoe City, CA, 2014.
72. Picariello T.A., M. Valentine, A. Nabi, J Yano, and J. L.Van Houten. Meckelin guides orientation of basal bodies along the striated rootlet. Cilia 2015 4(Suppl): P67.
73. Van Houten J., T. Picariello, M. Valentine, A. Nabi, and J. Yano. Meckelin guides orientation of basal bodies along the striated rootlet. Mol. Biol. Cell 25:3987, P154, 2014.

74. Van Houten, J.L., A. Nabi, T. A. Picariello, M. S. Valentine, and J. Yano. Meckelin guides basal body movement through interactions with the striated rootlet. Ciliate Molecular Biology, FASEB, Italy, 2015
75. Van Houten, J.L., A. Nabi, T. A. Picariello, M. S. Valentine, and J. Yano. Meckelin guides *Paramecium* basal body movement through interactions with the kinetodesmal fiber, ISOP meeting Seville, Spain, 2015
76. Van Houten, J.L., A. Nabi, M. S. Valentine, T. A. Picariello, and J. Yano. New role for meckelin: Maintaining basal body rows in *Paramecium* through interaction with or among the striated rootlets. Mol. Biol. Cell 26:4523, P161, 2015
77. Yano, J. and J. L. Van Houten. Plasma membrane calcium ATPase regulates ciliary calcium in *Paramecium tetraurelia*. The Allied Genetics Conference, Orland, FL. 2016.
78. Nabi, S., M. S. Valentine, J. Yano, and J. L. Van Houten. Characterization of the striated rootlet proteins of the *Paramecium tetraurelia*. basal body. The Allied Genetics Conference, Orland, FL. 2016.
79. Valentine, M., J. Yano, and J. L. Van Houten. Polycystin-2 (Pkd2) and its unexpected role in Mg<sup>2+</sup> permeability in *Paramecium*. The Allied Genetics Conference, Orland, FL. 2016.
80. Yano, J., M. S. Valentine, and J. L. Van Houten. Plasma membrane calcium ATPase regulate intraciliary calcium after action potential in *Paramecium tetraurelia*. Biology of Cilia and Flagella. FASEB, Arizona, 2017.
81. Van Houten, J., A. Nabi, M. S. Valentine, and J. Yano. Multiple functions of the striated rootlet proteins of the *Paramecium* basal body. Biology of Cilia and Flagella. FASEB, Scottsdale, Arizona, 2017.
82. Nabi, S., M. S. Valentine, J. Yano, and J. L. Van Houten. Multiple functions of the striated rootlet proteins of the *Paramecium tetraurelia*. basal body. Mol. Biol. Cell 28:4523, P2289, 2017.

Teaching:

2003.1-2003.5: seminar for graduate students; Title, Immunocytochemistry

2004.1-2004.5: seminar for graduate students; Title, Immunocytochemistry

Professional affinities:

Society of Protozoologist; 1999-2015