

Nao Iguchi
University of Colorado Denver
School of Medicine
12700 E 19th Avenue, RC2-6440
Aurora, CO 80045
303-724-6324
naoko.iguchi@ucdenver.edu

Education

- Ph D in Basic medical science,
Osaka University, Osaka, Japan (2001-2004)
- Master of Science in Basic medical science,
Osaka University, Osaka, Japan (1998-2000)
- Bachelor of Science in Life science,
Himeji Institute of Technology of Science, Hyogo, Japan (1994-1998)

Scientific Employment

- University of Colorado Denver, School of Medicine, Department of Surgery, Urology, Aurora, CO
Research Associate (2017-present)
- University of Colorado Denver, School of Medicine, Department of Surgery, Urology, Aurora, CO
Postdoctoral Fellow (2012-2017)
- Monell Chemical Senses Center, Philadelphia, PA
Research Associate (2009-2012)
- Monell Chemical Senses Center, Philadelphia, PA
Postdoctoral Fellow (2007-2009)
- University of Pennsylvania, Philadelphia, PA
Postdoctoral Fellow (2004-2006)

Fellowships and Awards

- Basic Science Abstract Second Prize at the 28th Annual Congress of the European Society for
Pediatric Urology (2017)
- Basic Science Abstract Prize at the Society for Pediatric Urology the 63rd Annual Meeting
(2015)
- NIH American Society of Andrology Travel Award, 30th Annual Meeting of the American Society of
Andrology (2005)
- Research Fellowship from the Research Foundation for Microbial Diseases of Osaka University

- First European Academy of Andrology Prize (2003-2004)
- Research Fellowships of the Japan Society for the Promotion of Science for Young Scientists (2003)
- Scholarship (2000-2003)

Publication List

1. Iguchi, N., Hecht, S.L., Gao, D., Wilcox, D.T., Malykhina, A.P., Cost, N.G. (2022) Sexual dimorphic impacts of systemic vincristine on lower urinary tract function. *Sci Rep* 12, 5113.
2. Xie, AX., Iguchi, N., Clarkson, T.C. Malykhina, A.P. (2022) Pharmacogenetic inhibition of lumbosacral sensory neurons alleviates visceral hypersensitivity in a mouse model of chronic pelvic pain. *PLOS ONE* 17, e0262769.
3. Iguchi, N., Carrasco, A.Jr., Xie, A.X., Pineda, R.H., Malykhina, A.P., Wilcox, D.T. (2021) Functional constipation induces bladder overactivity associated with upregulations of Htr2 and Trpv2 pathways. *Sci Rep* 11, 1149.
4. Hecht, S.L., Quach, A., Gao, D., Brazell, A., Beltran, G., Holbrook, S., Gore, L., Iguchi, N., Malykhina, A., Wilcox, D., Cost, N.G. (2021) A prospective survey study of lower urinary tract dysfunction in childhood cancer survivors after vincristine and/or doxorubicin chemotherapy. *Pediatr Blood Cancer*: e29226.
5. Iguchi, N., Donmez, M.I., Carrasco, A., Jr., Wilcox, D.T., Pineda, R.H., Malykhina, A.P., Cost, N.G. (2019) Doxorubicin induces detrusor smooth muscle impairments through myosin dysregulation, leading to a risk of lower urinary tract dysfunction. *Am J Physiol Renal Physiol* 317, F197-F206
6. Pineda, R.H., Hypolite, J., Lee, S., Carrasco, A.Jr., Iguchi, N., Meacham, R.B., Malykhina, A.P. (2019) Altered detrusor contractility and voiding patterns in mice lacking the mechanosensitive TREK-1 channel. *BMC Urol* 19, 40
7. Iguchi, N., Malykhina, A.P., Wilcox, D.T. (2018) Early life voiding dysfunction leads to lower urinary tract dysfunction through alteration of muscarinic and purinergic signaling in the bladder. *Am J Physiol Renal Physiol* 315, F1320-F1328
8. Iguchi, N., Donmez, M.I., Malykhina, A.P., Carrasco, A., Wilcox, D.T. (2017) Preventative effects of a HIF inhibitor, 17-DMAG on partial bladder outlet obstruction-induced bladder dysfunction. *Am J Physiol Renal Physiol* 315, F1149-1160
9. Iguchi, N., Malykhina, A.P., Wilcox, D.T. (2016) Inhibition of HIF Reduces Bladder Hypertrophy and Improves Bladder Function in Murine Model of Partial Bladder Outlet Obstruction. *J Urol* 195, 1250-1256
10. Iguchi, N., Hou, A., Koul, H.K., Wilcox, D.T. (2014) Partial bladder outlet obstruction in mice may cause E-cadherin repression through hypoxia induced pathway. *J Urol* 192, 964-972
11. Koul, S., Khandrika, L., Pshak, T.J., Iguchi, N., Pal, M., Steffan, J.J., Koul, H.K. (2014) Oxalate upregulates expression of IL-2Rbeta and activates IL-2R signaling in HK-2 cells, a line of human renal epithelial cells. *Am J Physiol Renal Physiol* 306, F1039-1046