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Professional Preparation

1992 **BS – Brooklyn College**, City University of New York (Biology) *Summa Cum Laude*
1998 **PhD – Oregon State University** (Zoology, Marine Ecology)
1998-2000 **NSF Postdoctoral Research Fellow**, Estación Costera de Investigaciones Marinas, Universidad Católica de Chile
2000-2003 **Postdoctoral Research Associate, Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO)** & Department of Zoology, Oregon State University

Professional Appointments

2018 –present, **Executive Director**, Estuary & Ocean Science Center, San Francisco State University
2014 –2017, **Director**, Romberg Tiburon Center for Environmental Studies, San Francisco State University
2014 –present, **Professor**, Department of Biology, San Francisco State University
2012 –2014 **Professor**, Department of Biology, Sonoma State University
2008 –2012 **Associate Professor**, Department of Biology, Sonoma State University
2007 – Present, **Senior Research Associate**, Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO)
2003 – 2008 **Assistant Professor**, Department of Biology, Sonoma State University

Publications (selected)

Wilson JR, Wilkerson FP, Blaser SB, Nielsen KJ. 2020. Phytoplankton community structure in a seasonal low-inflow estuary adjacent to coastal upwelling (Drakes Estero, CA, USA). **Estuaries and Coasts** 11:1-9. DOI:10.1007/s12237-020-00792-3

Close SL, Hacker SD, Menge BA, Chan F, Nielsen KJ. 2020. Biogeography of macrophyte elemental composition: spatiotemporal modification of species-level traits. **Ecosystems** 3:1-29. DOI: 10.1007/s10021-020-00484-w

Hacker SD, Menge BA, Nielsen KJ, Chan F, Gouhier TC. 2019. Regional processes are stronger determinants of rocky intertidal community dynamics than local biotic interactions. **Ecology**. DOI: 10.1002/ecy.2763

Saarman ET, Owens B, Murray SN, Weisberg SB, Ambrose RF, Field JC, Nielsen KJ, Carr MH. 2018. An ecological framework for informing permitting decisions on scientific activities in protected areas. **PloS one** 13(6):e0199126.

Freiwald, J, Meyer, R, Caselle, JE, Blanchette, CA, Hovel, K, Neilson, D, Dugan, J, Altstatt, J, Nielsen, KJ and Bursek, J. 2018. Citizen science monitoring of marine protected areas: Case studies and recommendations for integration into monitoring programs. **Marine Ecology** 39, p.e12470. doi.org/10.1111/maec.12470

Chan, F., Barth, J.A., Blanchette, C.A., Byrne, R.H., Chavez, F., Cheriton, O., Feely, R.A., Friederich, G., Gaylord, B., Gouhier, T., Hacker, S., Hill, T., Hofmann, G. McManus, M.A., Menge, B.A., Nielsen, K.J., Russell, A., Sanford, E., Sevajjian, J., Washburn, L. 2017. Persistent spatial structuring of coastal ocean acidification in the California

- Current System. **Scientific Reports**, 7:2526 Published online 2017 May 31. doi: 10.1038/s41598-017-02777-y.
- Liebowitz, D., K.J. Nielsen, J. Dugan, S. Morgan, D. Malone, J. Largier, D. Hubbard, M. Carr. 2016. Ecosystem connectivity and trophic subsidies of beaches. **Ecosphere** 7(10): e01503. 10.1002/ecs2.1503.
- Kroeker, K., Sanford, E.; Rose, J., Blanchette C., Chan, F., Chavez, F., Gaylord, B., Helmuth, B., Hill, T., Hofmann, G., McManus, M., Menge, B., Nielsen, K.J., Raimondi, P., Russell, A., Washburn, L. 2016. Interacting environmental mosaics drive geographic variation in mussel performance and species interactions. **Ecology Letters** 19:771-779.
- Burnaford, J., K.J. Nielsen & S.L. Williams. 2014. Celestial mechanics affect emersion time and patterns of abundance of an ecosystem engineer, the intertidal kelp *Saccharina sessilis*. **Marine Ecology Progress Series** 509:127-136.
- McPhee-Shaw, E. K. J. Nielsen, J. L. Largier & B. A. Menge. 2011. Nearshore Chlorophyll-a events and wave-driven transport. **Geophysical Research Letters** 38

Scientific Reports (selected)

- Sievanen, L, Phillips, J, C Colgan, G Griggs, J Finzi Hart, E Hartge, T Hill, R Kudela, N Mantua, **KJ Nielsen**, L Whiteman. 2018. California's Coast and Ocean Summary Report. **California's Fourth Climate Change Assessment**. Publication number: SUMCCC4A-2018-011.
- Nielsen, K.J.**, Stachowicz, J., Carter, H., Boyer, K., Bracken, M., Chan, F., Chavez, F., Hovel, K., Kent, M., Nickols, K., Ruesink, J., Tyburczy, J., and Wheeler, S. Emerging Understanding of the potential role of seagrass and kelp as an ocean acidification management tool in California. **California Ocean Science Trust**, Oakland, California, USA. January 2018.
- Trowbridge, P., Shimabuku, I., Wheeler, S., Knight, E., **Nielsen, K.J.**, Largier, J., Sutula, M., Valiela, L., Nutters, H. 2017. Summary of Workshop on Monitoring for Acidification Threats in West Coast Estuaries: A San Francisco Bay Case Study. October 19-20, 2016, **San Francisco Estuary Institute**, Richmond, CA.

Service Appointments (current):

- 2020-present President Western Association of Marine Laboratories
- 2018- present CSU Council on Ocean Affairs, Science and Technology
- 2014-present San Francisco Bay National Estuarine Research Reserve's Advisory Board
- 2014-present Moss Landing Marine Laboratories Governing Board
- 2010-present Central and Northern California Ocean Observing System Governing Council
- 2008-present California Ocean Protection (OPC) Council Science Advisory Team (SAT)

Honors, Scholarships and Awards (selected):

- 2017 Fellow, California Academy of Sciences
- 2011 Santa Rosa Chamber of Commerce, Excellence in Education Award
- 1992 *Sigma Xi*
- 1991 *Phi Beta Kappa*