

Biographical Sketch
LAWRENCE K. Duffy

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Professional Preparation

Fordham University, New York	Chemistry	B.S., 1969
University of Alaska Fairbanks, Alaska	Organic Chemistry	M.S., 1971
Institute of Arctic Biology, University of Alaska Fairbanks	Biochemistry	Ph.D., 1977

Appointments

1987-Present Professor of Chemistry & Biochemistry, Department of Chemistry & Biochemistry, University of Alaska Fairbanks
2000-Present Director, Alaska Basic Neuroscience Program
2007 – Present Dean, Graduate School, University of Alaska Fairbanks
1999-2007 Assoc. Dean for Graduate Programs and Outreach (CSEM)
1996-2002 Coordinator of the RSI Scientist-in-Residence Program (CSEM)
1999 (Summer) Instructor, rural Alaska Honors Institute (RAHI)
1983-1987 Assistant Professor of Biochemistry (Neurology), Harvard Medical School

Publications

Five Recent and Related

Godduhn, A. and **Duffy, L.K.** 2003. Multi-generational health risks of persistent organic pollution in the Far North. *Environ. Sci. and Policy*, 6(4):341-353.
Dunlap, K.L., Reynolds, A.J., Tosini, G., Kerr, G.W. and **Duffy, L.K.** 2007. Season and diurnal melatonin production in exercising sled dogs. *Comp. Biochem. Physiol.* 147: 863-867.
Dunlap, K.L. Reynolds, A.J. , Bowers, P.M. and **Duffy, L.K.** 2007. Hair analysis in sled dogs illustrates linkage of mercury exposure along the Yukon River with human subsistence food system. *Sci Total Environ*, 385: 80-85.
Jewett, S.C., **Duffy, L.K.** 2007 Mercury in fishes of Alaska, with emphasis on subsistence food system. *Sci Total Environ.* 387: 3-27.
Gerlach, S.C., **Duffy, L.K.**, Murray, M.S., Bowers, P.M., Adams, R., and Verbrugge, D.A. An exploratory study of total mercury levels in archaeological caribou hair from northwest Alaska. *Chemosphere* 65: 1909-1914.

Five Other Significant Publications

Bowyer, R.T., Blundell, G.M., Ben-David, M., Jewett, S.C., Dean, T.A., and **Duffy, L.K.** 2003. Effects of the Exxon Valdez oil spill on river otters: injury and recovery of a sentinel species. *Biological Monographs*, 153:1-53.
Burger, J. Gochfeld, M., Powers, C.W., Kosson, D.S., Halverson, J., Siekaniek, G., Morkill, A., Patrick, R., **Duffy, L.K.** and Barnes, D. 2007 Scientific research, stakeholders and policy: continuing dialogue during research on radionuclides on Amchitka Island, Alaska. *J. Environ. Mgmt.* 85: 232-244.
Beckett, K.J., Bursian, S.J., **Duffy, L.K.**, Patterson, J.S., and Aulerich, R.J. 2002. Effects of dietary exposure to environmentally relevant concentrations of weathered PBCO in ranch-raised mink. *Bullet. Environ. Contamin. Toxicol.*, 69:593-600.

- Isbell, M., Gordian, M.E., and **Duffy, L.K.** 2002. Winter indoor air pollution in Alaska: identifying a myth. *Environ. Pollut.*, 117:9-75.
- Yankner, B.A., **Duffy, L.K.**, and Kirschner, D.A. 1990. Neurotrophic and neurotoxic effects of beta-amyloid: Reversal by tachykinin neuropeptides. *Science* 250:279-282.
- Jewett, S.C., **Duffy, L.K.** (2007) Mercury in fishes of Alaska, with emphasis on subsistence species. *Sci Total Environ.* 387: 3-27.

Synergistic Activities

- 2000-03 Associate Regional Director, Sigma Xi Board of Governors
- 1999, 2003 Member, Board of Directors, American Society for Circumpolar Health
- 1999-Present Member, Editorial Board, *Science of the Total Environment*
- 2000 Associate Editor, *Journal of Alzheimer's Disease*
- 2002-Present Executive Secretary, Arctic Division AAAS
- 2005 - 2006 President American Institute of Chemists

Collaborators and Other Affiliations

Collaborators and Co-editors

D. Dasher, Institute of Marine Science, UAF; *S.C. Gerlach*, Anthropology, UAF; *S.C. Jewett*, Institute of Marine Science, UAF; *M.S. Murray*, Anthropology, UAF.

Graduate and Post-Doctoral Advisors

Charles Genaux

Thesis Advisor and Postgraduate-Scholar Sponsor

Peter Morrison

Postgraduate Sponsors

Richard Larsen

MS/MA/MAT Students last Five Years (Total Number = 7)

Anna Godduhn (graduated 2003)

Nicole South (graduated 2003)

Anne Whitehead (graduated 2004)

Scott Kemp (graduated 2005)

Roger Rothschild (2005)

Richard Hallock (2007)

Ph.D. Students last Five Years (Total Number = 2)

Bing Shi (graduated 2004)

Kryia Dunlap (graduated 2007)