

Anu Murphy

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Resume Summary

Associate Director of NetMath with over thirteen years of experience in online education. Skilled communicator with proven ability to manage multiple projects while meeting challenging deadlines. Experienced in program management, human resources, project coordination, budget management, marketing, and administrative support. Professional, creative, flexible, with excellent analytical and problem solving skills.

Education

B.S., Physics, University of Illinois at Urbana-Champaign 1994

M.S., Molecular & Integrative Physiology, University of Illinois at Urbana-Champaign 1999

Experience

Associate Director of NetMath, Department of Mathematics, University of Illinois 2012-Present

- Responsible for the day-to-day operation of the NetMath Program.
- Primary Human Resources contact for NetMath
- Manage and supervise NetMath office staff and academic personnel.
- Primary program contact for campus units (CITL, Office of the Registrar, USFSCO, Staff & Academic HR).
- Organize and chair search committees for new positions in NetMath.
- Represent NetMath in campus-level online learning committees.
- Organize, set agendas and facilitate NetMath events such as annual retreats, office-wide and director meetings.
- Manage marketing projects for NetMath: compose articles for department newsletters, design brochures and mailings, collaborate on designing promotional materials.
- Manage NetMath website redesign project.
- Coordinate all aspects of program administration with a goal toward maximizing student satisfaction and success in NetMath online courses.
- Assist with instruction for Math 299 (Capstone Course for the NetMath Certificate Program in Applied Mathematics).

Coordinator of NetMath Program, Department of Mathematics, University of Illinois 2008-2012

- Assist with the daily operation of the NetMath distance-learning program.
- Coordinate communication between undergraduate mentors, TAs, program staff and hundreds of online students. Contact students individually to assist with timely course completion by providing advice regarding campus policies, technical support, and connecting students to academic resources.
- Write grant proposals, maintain instructional databases, supervise approximately 25 undergraduate mentors at a time.

- Liaison with other distance education efforts within the University by serving on committees and discussing best practices.

Coordinator of Research Programs, Dept. of Cell & Developmental Biology, University of Illinois 2005-2008

- Assist with the preparation and submission of manuscripts to peer-reviewed scientific publications, write grant applications to federal and private agencies, and compile annual reports.
- Manage and develop a research budget for the lab.
- Maintain research and reference databases for the lab.
- Oversee lab compliance matters.
- Coordinate professional staff and student appointments in the lab.

Academic Hourly with WaterCAMPWS, University of Illinois 2004-2005

- Develop and present web-based tutorials at teacher training workshops. Tutorials were used to illustrate the use of online tools and resources in teaching biological sciences at the high school level.

Graduate Assistant, Dept. of Molecular and Integrative Physiology, University of Illinois 1995-2003

- Conduct research on K⁺ channels using the Biology Workbench and other bioinformatics tools (including software written by myself and other lab members and freeware tools online) for sequence-retrieval, alignment, phylogenetic determination, topology identification, motif determination, and structure simulation of ion channels.
- In the capacity of a Teaching Assistant collaborate with faculty, graduate, and undergraduate students to teach 100- and 300-level laboratory courses in Physiology; teach, develop, and maintain a class website for a bioinformatics class involving computer laboratory exercises.
- Graduate Fellow in the NSF GK-12 Teaching Fellowship Program at NCSA. Instructed high school science teachers and students in the use of computational biology and visualization tools; Used the Inquiry Page (<http://inquiry.illinois.edu/>) to demonstrate tools available within the Biology Workbench, National Center for Biotechnology Information (NCBI), and ExPASy websites; integrated many of these tools into the biology curriculum at Oakland High School (Oakland, IL). Attended and presented at educational technology workshops as part of this program.

LaTeX Typesetter at Publication Services, Champaign, IL 1995

- Proofread manuscripts and typesetting using LaTeX and vi Editor to assist with textbook publication.

Graduate Hourly Lab Assistant, Department of Biochemistry, University of Illinois 1994

- Conduct fluorescence spectroscopy experiments to study photosynthetic energy conversion in algae.
- Assist postdocs and graduate students to develop experimental setups; prepare and analyze experimental samples; design lab equipment.

Undergraduate Hourly Assistant, Department of Physics, University of Illinois 1990-1994

- Assist faculty with literature searches for research publications.
- Prepare samples for experiments in a condensed matter physics laboratory.

Publications

Shealy, R.T., Murphy, A.D., Ramarathnam, R., Jakobsson, E., and Subramaniam, S. (2003) Sequence-function analysis of the K⁺-selective family of ion channels using a comprehensive alignment and the KcsA channel structure. *Biophys. J.* 84, 2929-2942

Service

- Member of 2016-2017 LAS Online Advisory Board Steering Committee.
- Served on the 2015-2016 Chancellor's Academic Professional Excellence (CAPE) Award Committee.
- Served on six NetMath search committees during 2015-2016. Served as Chair on five of the committees; served as Diversity Advocate on 4 committees.
- Member of the NetMath Jerry Uhl Scholarship Committee for 2014 & 2016.
- Member of the 2013-2014 Mathematics Department Online Committee.
- Member of the LAS Online Advisory Committee from 2011-2013.

Community Involvement

- Secretary, Home Owners Association.
- Active member of the PTSA and Band Boosters Clubs at Edison Middle School and Champaign Central High School. Regular volunteer at school and band events and fundraisers, including concert, jazz and marching band trips to competitions and performances.
- Watercolor artist; won awards and participated in juried exhibitions at Eastern Illinois University, Parkland College, and art shows in private galleries in the Champaign-Urbana and Mahomet area.