

Shelley R. Cooper

847-550-8359
840 Burr Oak Drive
Lake Zurich, IL 60047
shelley@aboutcooper.com

I am an organized, productive and reliable person with the ability to apply innovative solutions to complex issues. My background is within molecular biology and genetics, and I quickly learn new techniques and grasp new concepts. I also have excellent communication and computer skills.

EXPERIENCE

Engineer of Young Minds (Full-Time Mother)

1999 to Present

While raising two children, I managed a part-time catering business from my home, and I have been a leader in many volunteer positions, including: PTO President, PTO Vice President, Girl Scout Troop Leader, Lake Zurich Girl Scout Organization Registrar and Webmaster, and a volunteer for science education.

Research Associate II at Vysis, Inc., Downers Grove

1996 to 1999

I designed and tested FISH probes for diagnosis of leukemias and lymphomas.

- Promoted for excellent efficiency and trouble-shooting abilities.
- Conducted extensive research and development of a commercial assay for cancer diagnosis and patient monitoring.
- Managed and maintained laboratory operations and processes.
- Designed and optimized novel format and conditions for RNA amplification utilizing Q-Beta replicase, resulting in small, bright RNA colonies for easy quantitation.
- Applied new techniques encompassing all project aspects, and improved project productivity.

Graduate Research Assistant at The University of Illinois at Urbana-Champaign

1994 to 1996

I examined genetic mutations and collaborated to compile a comprehensive bovine gene linkage map.

- First Place Undergraduate Research Award and Scholarship for research and technical writing.
- Improved the bovine gene map using comparative mapping methods by identifying unique polymorphisms and genetic linkage maps of structural genes.
- Published six journal articles based on my work.
- Trained and supervised an undergraduate student in new SSCP techniques.

EDUCATION

Master of Science in Molecular Genetics, 1996

University of Illinois at Urbana-Champaign

Bachelor of Science in Animal Science, 1994

University of Illinois at Urbana-Champaign