CODY FINE

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FLOW CYTOMETRY OPERATOR

CORE FACILITY MANAGEMENT ~ TRAINING & DEVELOPMENT ~ IMMUNOLOGICAL RESEARCH

Experienced research technician with an academic laboratory background, coupled with strong leadership capability

- Exceptional problem-solving skills and superior technical knowledge
- Skilled trainer and teacher with demonstrated ability to teach and mentor others
- Excellent communication and interpersonal skills across diverse cultures and backgrounds.

TECHNICAL PROFICIENCIES

Platforms: **Sorters:** Becton Dickinson DiVaVantage, Aria I and II. Beckman Coulter Moflo XDP
Analyzers: Becton Dickinson Digital LSRII, FACSCanto, FACscan, FACS Calibur, FACS Sort. Beckman Coulter Galios

Software: Cell Quest, FACS Diva, FlowJo, Excel, Word

Techniques: Flow cytometry, Immunohistochemistry (IHC), Confocal Microscopy, Cell Based Assays, In Vivo Virology, In Vitro Virology, Murine Surgery

PROFESSIONAL EXPERIENCE

The Scripps Research Institute, La Jolla, CA, 2001 - present

Operator / Lead Operator (2007 – present)

Performance of daily calibration and QC on all analyzers and sorters. Operation of sorters. Provided consultation on flow experiment design and fluorophore selections. Participated in new user training including software instruction and instrument use.

Key achievements:

- Management of day to day TSRI flow cytometry core activities
- Gained mastery as a sort operator: Entrusted to handle trouble shooting and execution of flow cytometry sorts

Research Assistant II (2001 – 2007)

Key achievements:

- Performance of lab experiments while following protocol; also formulated more efficient procedures for a lab focused on autoimmune studies
- Significantly increased knowledge and skill: demonstrated versatility when confronted with multiple academic research challenges

EDUCATION/TRAINING

Bachelor of Science, Animal Physiology / Neuroscience (2001)
UNIVERSITY OF CALIFORNIA-SAN DIEGO – La Jolla, CA

Academic Research Intern (1997 – 2001)
The Scripps Research Institute

Key achievement:

- Forged a career in technical assistance, earning co - authorships in several research journals

PUBLICATIONS

J. Virol. March 1999 vol. 73 no. 3 1756-1766
Protection from Lethal Coxsackievirus-Induced Pancreatitis by Expression of Gamma Interferon†
Marc S. Horwitz, Troy Krahl, Cody Fine, Jae Lee, and Nora Sarvetnick*

Nature Medicine. 6, 693 - 697 (2000)
Pancreatic expression of interferon- protects mice from lethal coxsackievirus B3 infection and subsequent myocarditis Marc S. Horwitz, Antonio La Cava, Cody Fine, Enrique Rodriguez, Alex Ilic & Nora Sarvetnick

J Clin Invest. 2002 January 1; 109(1): 79–87.
Presented antigen from damaged pancreatic β cells activates autoreactive T cells in virus-mediated autoimmune diabetes. Marc S. Horwitz, Alex Ilic, Cody Fine, Enrique Rodriguez, and Nora Sarvetnick

Diabetes. August 2003 vol. 52 no. 8 2025-2034
Diabetogenic Potential of Human Pathogens Uncovered in Experimentally Permissive β-Cells
Malin Flodström, Devin Tsai, Cody Fine, Amy Maday and Nora Sarvetnick

Clin Immunol. 2004 Feb;110(2):134-44.
Coxsackieviral-mediated diabetes: induction requires antigen-presenting cells and is accompanied by phagocytosis of beta cells.Horwitz MS, Ilic A, Fine C, Balasa B, Sarvetnick N.

The Journal of Immunology, 2005, 174: 1171-1177. RNase L and Double-Stranded RNA-Dependent Protein Kinase Exert Complementary Roles in Islet Cell Defense during Coxsackievirus Infection Malin Flodström-Tullberg, Monica Hultcrantz, Alexandr Stotland' Amy Maday, Devin Tsai, Cody Fine, Bryan Williams, Robert Silverman and Nora Sarvetnick

Viral Immunology. December 2006, 19(4): 722-733. Transforming Growth Factor-*β* Inhibits Coxsackievirus-Mediated Autoimmune Myocarditis Dr. Marc S. Horwitz, Maria Knudsen, Alex Ilic, Cody Fine, and Nora Sarvetnick