ELENA PIRES

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Fort Collins, CO

Objective

To utilize my unique training as a veterinary clinician-scientist to provide meaningful contributions to public knowledge through artistic communication of various medical and scientific topics

SKILLS

- **Bilingual**: Fluent Spanish
- **Computer**: Microsoft Applications, Photoshop, Final Cut Pro, ProCreate
- **Fine Art**: acrylic painting, drawing from life, concept art, watercolor, etching, printmaking, pastel
- **Scientific**: communication, collaboration, extensive biochemical, cellular, and molecular biology techniques, mouse models, grant writing, SnapGene

INTERESTS

- **Dancing**: salsa, bachata
  2019-present: Member of the Fort Collins Salsa Collective dance team

PORTFOLIO

[https://pirele39.wixsite.com/dvm-phd-art]

EDUCATION

Doctor of Veterinary Medicine May 2022
Colorado State University: Fort Collins, CO

Doctor of Philosophy (Cell & Molecular Bio - Cancer focus) Aug 2020
Colorado State University: Fort Collins, CO

Bachelor of Arts: Studio Art & Biochemistry (Biology minor) May 2015
CUNY Hunter College: New York, NY

ARTISTIC EXPERIENCE

COMMUNITY

Fort Collins: "Pianos About Town" Artist June 2016
Painted original concept art on a piano for public display

Fort Collins: Mentor to a Poudre HS art student 2015-2016
Lessons in acrylic painting and Photoshop

CUNY Hunter College: "Choreographing Genomics" May 2015
Involvement in a play depicting DNA science through art and theater

HONORS

CUNY Hunter College: "Best Poster" Award May 2015
Criteria for judging involved poster design and creativity

School of Visual Arts: 4-year BFA scholarship offered 2010
Awarded on merit and creative and academic achievements

Bayside High School: Honors in Painting May 2010
Competitive award offered to one HS art graduate

SCIENTIFIC EXPERIENCE

LABORATORY

Colorado State University: Wiese Lab 2016-2020
In vitro and *in vivo* tools to study homologous recombination DNA repair

CUNY Hunter College: Holford Lab 2012-2015
Chemistry techniques to study the venom components of marine snails

University of Pennsylvania: Pear Lab Summer 2014
Molecular tools to study the function of the Tribbles protein isoforms

Cornell University: Schimenti Lab Summer 2013
Mouse models and immunohistochemistry to study male meiosis stages

MEDICAL

Veterinary Assistant (LICVC, Queens, NY) 2014-2015
Participated in general practice management and patient care

Pre-Veterinary Lab Animal Externship (MSKCC, NY, NY) May 2014
Overview of lab animal pathology, research ethics, and lab animal care

PUBLICATIONS (MOST RECENT)

Pires, E. et al. Hypofractionated radiotherapy provides palliation for a dog with advanced gastric carcinoma (2022). *Vet Record Case Reports*.

Pires, E. et al. RAD51AP1 mediates RAD51 activity through nucleosome interaction (2021). *Journal of Biological Chemistry*.