

## **NAME**

ADDRESS

PHONE

EMAIL

## **SUMMARY**

- 10 years of research experience and training in cancer, developmental, and cell biology
- Highly skilled in a wide variety of microscopy techniques, molecular biology and biochemistry techniques, experimental design, and data analysis
- Excellent interpersonal, leadership and mentorship skills from training graduate and undergraduate students and working with collaborators
- Highly effective in team settings but can also independently drive projects from conception to conclusion
- Exceptional oral and written communication skills gained from teaching, oral presentations, and manuscript and grant preparation
- Proven record of productivity with publications

## **TECHNICAL SKILLS**

**Cell biology:** *tissue culture, transfection, siRNA techniques, cell cycle regulation and cell cycle checkpoint activation assays, flow cytometry, comet assay*

**Molecular biology:** *cloning, RT-PCR, real time PCR, in vitro transcription, RNA and DNA isolation, cDNA synthesis*

**Biochemistry:** *recombinant protein design, expression and purification, protein gel electrophoresis, enzymatic assays, chromatography: affinity, HPLC, size-exclusion, ion exchange, protein labeling.*

**Microscopy:** *4D microscopy, spinning disk confocal microscopy, immunofluorescence staining, FRAP, FRET.*

**Animal:** *experience in zebrafish and murine model systems, genotyping, zebrafish care and husbandry, embryo and oocyte microinjection, in vitro maturation and fertilization, morpholinos*

**Bioinformatics:** *GenBank BLAST, ExPASy protein sequence analysis tools.*

**Computer:** *ImageJ, Metamorph and Micromanager imaging software, DNASTar Lasergene Suite, Adobe Photoshop and Illustrator, Microsoft Office, Mendeley, R.*

## **EDUCATION**

**University of Pennsylvania Perelman School of Medicine, Philadelphia, PA**

*PhD in Cell and Molecular Biology/Cancer Biology*

anticipated in June 20XX

**The University of Chicago, Chicago, IL**

*A.B. in Biological Sciences w/ Gen. Honors, Dean's List*

2007

## **RELEVANT RESEARCH EXPERIENCE**

**PhD Candidate, Cell and Molecular Biology** 20XX-present  
**University of Pennsylvania, Philadelphia, PA**

Advisor: NAME, PhD

Thesis: "TITLE"

Thesis Committee: NAME, MD, PhD (chair), NAME, PhD, NAME, MD, PhD, NAME PhD.

- Conceptualized a new research direction and developed a project studying cell cycle regulation and DNA damage checkpoints in early embryogenesis
- Independently spearheaded the use of the zebrafish model system in thesis lab
- Developed live imaging assays for detecting DNA damage checkpoint function in zebrafish embryos
- Initiated a collaborative project between Penn and UW-Madison researchers studying Aurora B kinase activity in early embryogenesis live using FRET probes in embryos
- Mentored and trained an undergraduate through their own independent project
- Presented data at weekly joint lab meetings and departmental seminars

**Rotation student** 20XX

**University of Pennsylvania, Philadelphia, PA**

Advisor: NAME, MD, PhD

- Developed p53-regulated reporter system in human colon tumor cells to investigate p53 transcriptional activity in colon cancer stem cell populations in 3 months, resulting in timely collection of data and co-authorship of publication based on project findings

**Research Assistant** 20XX-20XX

**The University of Chicago, Chicago, IL**

In lab of NAME, PhD

- Collaborated with post-docs and graduate students on a phage-display screen identifying novel estrogen receptor- $\alpha$  co-activators
- Conducted drug-discovery study to identify compounds that confer radiosensitivity in cancer cells

**Research Assistant** 20XX-20XX

**The University of Chicago, Chicago, IL**

In lab of NAME, PhD

- Collaborated with professors and students to measure live intracellular calcium flux in gonadotropin hormone-releasing neurons

## **TEACHING EXPERIENCE**

**Instructor, Penn Biomedical Research Academy** 20XX-20XX

University of Pennsylvania School of Arts and Sciences

## **AWARDS**

**National Institutes of Health Research Training Grant T-32** 20XX-20XX

**UPenn Cell and Molecular Biology Travel Grant** 20XX

**McNair Scholar Fellowship** 20XX

**PEER-REVIEWED PUBLICATIONS**

NAME., NAME, P., NAME, M.C., NAME, M.A. TITLE, *submitted to PLoS Biology*.

NAME, M., NAME., NAME, T.P.. TITLE. *Oncogene*, 20XX Apr 28;12(21):974-94

NAME, C., NAME., NAME, R.T.. TITLE. *Cancer Biol Ther*, 20XX Nov;3(14):86-98.

**SELECTED PRESENTATIONS**

NAME. and NAME, M. (20XX). TITLE. Oral presentation delivered at the Abramson Family Cancer Research Institute Seminar Series

NAME. and NAME, M. (20XX). TITLE Oral presentation delivered at the Developmental, Stem Cell and Regenerative Biology Student Seminar Series for NIH Developmental Biology Training Grant

NAME., NAME, S., NAME, F., and NAME, M. (20XX). TITLE. Poster presentation at the American Society for Cell Biology meeting, San Francisco, CA., December, 20XX

**REFERENCES**

NAME, PhD  
Associate Professor  
Department of Biology  
University of Pennsylvania  
ADDRESS  
EMAIL  
PHONE

NAME, PhD  
PROFESSOR  
Department for Cancer Research  
The University of Chicago  
ADDRESS  
EMAIL  
PHONE

NAME, PhD  
PROFESSOR  
Department for Cancer Research  
The University of Chicago  
ADDRESS  
EMAIL  
PHONE