

Veronica Pike

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Professional summary

Highly motivated and innovative molecular biologist with specialization in molecular genetics, cell biology, microbiology, and biochemistry. Enthusiastic team player adept at providing leadership while also learning from fellow team members. Experienced in managing multiple projects simultaneously. Highly organized, with well-developed communication and time management skills.

Work Experience

Biological Research Assistant, ABC Laboratory

2015-2017

Duties:

- Provided research support in cellular and molecular studies which were designed to determine the health effects of energy production on humans
- Examined how DNA damaging agents alter the mitochondrial metabolism and mitochondrial DNA of cells.
- Led project team that investigated how the cancer drug cisplatin perturbs iron homeostasis in cells.
- Introduced mitochondrial isolation and analysis techniques.
- Created first molecular biology SOPs for the company, consisting of large scale endotoxin-free plasmid preparation for human vectors, agarose gel electrophoresis.

Molecular analysis, ZZZ Laboratory

2013-2015

Duties:

- Prepared, isolated and characterize synthetic DNA substrates.
- Over expressed and purified proteins from large scale bacterial cultures.
- Developed in vitro assays for tumor mechanistic studies, including complement-fixation lytic activities of antibodies, IHC staining (CD4+, CD8+, macrophage), cell proliferation assays, FACS, IFN- γ ELISPOT.
- Position of Trust security clearance.

Education

Master of Science in Biology, DDD University

2010-2013

Bachelor of Science in Biology, XXX University

2006-2010

Skills

- DNA isolation, RNA isolation, plasmid and genomic DNA isolation, gene cloning from bacteria, site-directed mutagenesis.
- Mitochondrial isolation, Western blotting, In vitro mitochondrial import assays.
- Mouse and rat handling, oral gavage, intraperitoneal and tail injections, small animal surgery