

JANE HOMEOSTASIS

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OBJECTIVE: Biology Research Assistant for the Stem Cell Research Lab

HIGHLIGHTS OF QUALIFICATIONS

- Accomplished student and scholarship recipient
- Experienced public speaker to audience of 30-50 peers on experimental practices
- Managed schedule, pacing and completion of lab activities independently
- Organized clerical information including mail, billing and catalogue orders
- Wrote a series of lab reports for third-year Biology class
- Intermediate to advanced computer skills: Microsoft Office, SPSS, Internet research skills

TECHNICAL SKILLS AND KNOWLEDGE

- Understanding of diabetes and stem cell characteristics gained through coursework
- Experience with molecular biology techniques – PCR, gel electrophoresis, SDS Page, assays, and media and buffer preparation
- Knowledge of the principles underlying tissue culture, bacterial plating and transfection
- Skilled in dissecting and identifying vertebrate and invertebrate organisms
- Trained to set-up and analyze specimens under a light microscope
- Previous laboratory experience with rodents and *C. elegans*

EDUCATION

Bachelor of Science, Biology, University of British Columbia Completion: May 2011

- Coursework includes: Cell Biology, Genetics, Microbiology, Vertebrate/Invertebrate Biology, Biochemistry, Animal Physiology, Directed Studies in Biology (senior level, lab-based research course)
- Academic Average: 82%

LABORATORY EXPERIENCE

Rodent Research

Fall 2009

Laboratory component of third-year Biology course

- Investigated the effect of varying doses of melatonin on behavioural despair measures displayed by rats during a Forced Swim Test
- Performed intraperitoneal injections following standard procedures
- Completed statistical analysis using Statistical Package for the Social Sciences (SPSS)
- Increased comprehension of data by developing charts and graphs to highlight key findings
- Successfully contributed to team effort to produce a 10-page report, presented results to professor and classmates, awarded a mark of 93%

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LABORATORY EXPERIENCE cont.

Laboratory Assistant (Volunteer)

Summer 2009

University of British Columbia Research Centre

- Grew colonies of *C. elegans* on agar plates
- Conducted independent gene knock-out experiments
- Analyzed, interpreted and summarized research data for publication

Dissection Skills

2007

Laboratory component of second-year Biology course

- Dissected the rat, dogfish (shark) and mudpuppy (salamander)
- Examined the structure and function of the respiratory, digestive and circulation systems

HEALTH RELATED EXPERIENCE

Physiotherapy Assistant (Volunteer)

2007-2008

University of British Columbia Hospital, Vancouver, BC

- Demonstrated daily exercises to seniors with disabilities
- Assisted nurses and physiotherapists with patients during rehabilitation activities

ADDITIONAL EXPERIENCE

Customer Service Representative

2008-Present

Canadian Images Marketing, Burnaby, BC

- Processed telephone and mail orders for catalogue merchandise
- Performed general office duties: answering telephone, faxing, processing mail, filing and banking

Student Orientation Leader (Volunteer)

Fall 2008

University of British Columbia

- Increased comfort of new UBC students by conducting friendly and informative tours
- Informed students of upcoming events through regular emails

AWARDS & ACHIEVEMENTS

Golden Key International Honours Society Member

2008 - Present

- Invited to be a member as a result of being in top 15% of university students in faculty/major

UBC Outstanding Student Initiative Entrance Scholarship

2007

- Awarded for academic merit as part of top 15% within Faculty of Science

Government of British Columbia Scholarship

2007

- Awarded for 80% or higher average across all high school graduates in province