

Elekta

Unity

ARTHUR J.E. CHILD COMPREHENSIVE CANCER CENTRE

CALGARY, CANADA

discover
your
potential

MEDICAL PHYSICS RESIDENCY PROGRAM 2025



UNIVERSITY OF
CALGARY



Alberta Health
Services

Overview

CAMPEP accredited since 2005, this 2 year program is offered as a University of Calgary Post-PhD diploma in Medical Physics.

The Arthur J.E. Child Comprehensive Cancer Centre is southern Alberta's own tertiary cancer centre and a leader in innovative cancer research, prevention, treatment, and care initiatives across the province and beyond.


ACCC offers radiation therapy, chemotherapy, bone marrow transplants, clinical trials, and other patient services such as nutrition and psychosocial support.

Read more to learn about your potential new home!

World Class Learning

The residency program at ACCC includes a mix of clinical rotations, project work, QA, course work, meeting and rounds attendance, personalized Q&A sessions, resident case studies with radiation oncology, clinical half days (with RO and MO residents), and valuable clinical duties.

Evaluation is performed through competency-based evaluations.



The hands-on training is ideal for anyone pursuing a career as a clinical medical physicist.

Cameron Hough
Previous Medical Physics Resident

All past residents have found employment working in clinicals across North America, including Calgary, San Diego, Vancouver, etc.

Clinical Equipment

Learn valuable clinical competency and gain experience with cutting-edge equipment:

- 12** Linear accelerators
 - 2 Elekta Unity MR-Linac
 - 6 Varian True Beam
 - 4 Varian Edge
 - IGRT, Gating, SGRT, etc.
- 1** Orthovoltage Unit
- 2** CT simulators (1 CT/PET)
- 2** MR simulators (3T)

Elekta HDR Afterloader
Oncentra Treatment Planning

Comprehensive QC and dosimetry equipment including gels and optical CT.

Specialty Programs

Alberta Radiosurgery Centre

- Well established stereotactic radiosurgery program which treats malignant tumours, AVMs, TN, and other functional diseases.
- Brain SRS
- Lung, Liver, Spine and Oligomet SBRT

Brachytherapy

- Ocular Brachytherapy
- Gyne and Prostate HDR

Total Body Irradiation

Medical Physics Staff

- 23** Medical physicists supporting clinical, academic, and research programs
- 4** Medical physics residents
- 5** Medical physics assistants
- 7** Medical physics graduate students
- 6** In-house electronics staff
- 1** Computer Specialist
- 2** Design lab staff
- 2** Admin staff
- 1** Residency Director

Thank you
for your interest
in the Arthur Child
Cancer Centre
Graduate Program.

Scan the QR code
to learn more

ucalgary.ca/radiation-oncology-physics/prospective-students/residency





City of Calgary

With a population of 1.7 million, Calgary is Canada's 3rd largest city and number one in days of sunshine per year!

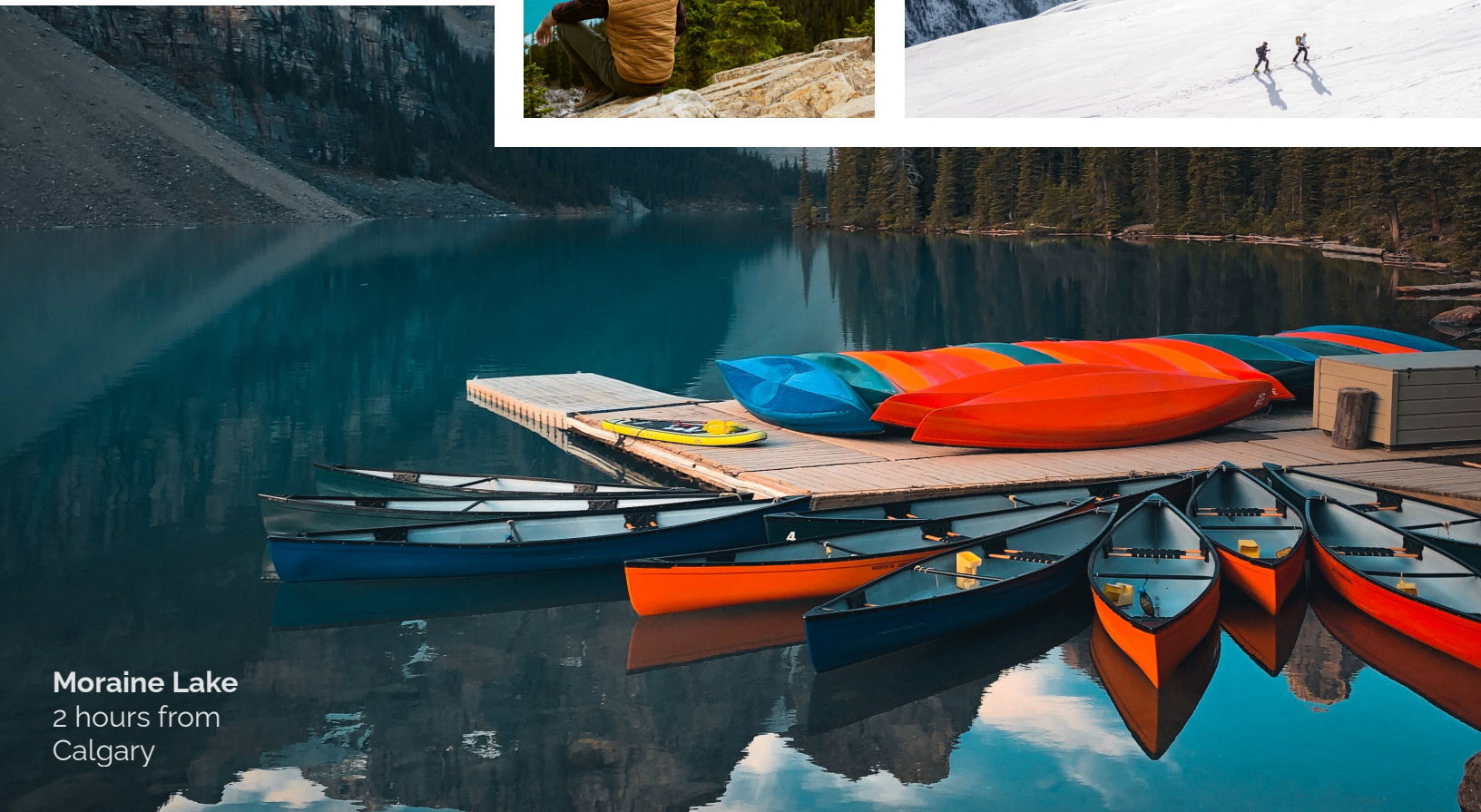
Enjoy the diverse communities and young, vibrant atmosphere in the **world's 3rd most livable city**.

On your off day, travel to nearby Banff for hiking in the summer, and skiing/snowboarding in the winter.



The extensive clinical exposure I received as a resident really prepared me well for both the certification exam and for a physicist position after residency.

Amanda Swan
Previous Medical Physics Resident



Moraine Lake
2 hours from
Calgary