

Career Paths Outside the Hospital

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July 2012

Hospital to Industry and Back

2007–present	The Ottawa Hospital Cancer Centre
2005-2007	Medical Devices - Therapy Systems Engineering
2004	Radioisotope Production - Facility Safety Analysis
2001-2003	Pharmaceutical Manufacturing - Process and Product Engineering
2000	Medical Devices – Marketing
1994-1999	Medical Devices – Software Development
1992-1994	Nova Scotia Cancer Centre

Radiation Oncology

Companies in North America:

(Check out the trade show floor!)

Varian

Elekta

ViewRay

AccuRay

BrainLab

Philips

Best Medical

mim Software

Sun Nuclear

Modus Medical

IBA Dosimetry

Standard Imaging

NELCO

LANDAUER

(Raysearch, Sweden)

(ScandiDos, Sweden)

Radiation Oncology

Career Possibilities

- Customer / Application Support
- Product Development (software / engineering)
- Research and Development (algorithm development)
- Product Definition
- Product Management
- Sales & Marketing
- (Manufacturing / Operations / Service)

Beyond Radiation Oncology

Medical Device Development

Nuclear Industry

Radioisotopes (medical isotope supply)

Radiation Safety

Government

CNSC

Health Canada

NRC

AECL

DND, Defense Research and Development Canada (DRDC)

Academia

Biotech

Pharmaceuticals

Carleton Alumni

- Roughly 25 out of 87 Carleton Medical Physics program graduates are in non-clinical jobs

Canadian Space Agency

Ontario Power Generation

Pharmaceutical industry research and development

Software industry

CNSC

DND, DRDC

Academic physics departments

Health Canada

Physician

Resources

- COMP - Trade show floor
- AAPM - Career Services
- Medical isotope supply
- <http://www.biotech.ca/>
- <http://www.biotalent.ca/>
- http://www.ic.gc.ca/eic/site/ic1.nsf/eng/h_00066.html

Hospital versus Industry

public sector	private sector
stable, conservative, secure	agile, aggressive, fast paced
focused on improved patient care	focused on profit, productivity and efficiency
cooperative	competitive
secure	risk seeking