Oncology Council and Award Recognition

WELCOME

Sandy McEwan

Chair, Department of Oncology
AGENDA

- Adoption of June 27, 2016 minutes
- Chair’s Update
- Clinical Trials Update – Dr. John Mackey
- RADTH Update – Ms. Susan Fawcett
- CRINA Update - Dr. Lynne Postovit
- Awards Recognition
- New Business
Departmental Background
Department of Oncology

Founded in 1993 as an ACB/UA joint venture

- A true academic health center
- Positions jointly created through the affiliation agreement
- Creation of ‘special continuing’ faculty appointments – precursor of ‘AARP’
- ACB/UofA liaison committee met every 3 months

Alberta Cancer Board:

- Alberta Cancer Programs Act: 1989
- Integration of facilitated cancer research with clinical service delivery

Cross Cancer Institute:

- Comprehensive cancer center incorporating discovery, translational and clinical research activities

Moved to Cancer Control with formation of AHS
Benefits of Integration Research and Clinical Service

Integration of discovery scientists with clinicians/clinician scientists:
- Facilitates training of oncologists and cancer researchers
- Facilitates incorporation of new knowledge into cancer care
- Informs both directions of translational research
- Improves patient care and outcomes

Integrated model reflects highest international standards:
- Princess Margaret Hospital
- MD Anderson Cancer Centre
- Peter MacCallum Cancer Centre
- Royal Marsden Hospital
Eight (Nine) Divisions

- Experimental Oncology
- Medical Physics
- Surgical Oncology
- Oncologic Imaging
- Medical Oncology
- Radiation Oncology
- Palliative Care
- (RADTH)
December 2016
# Academic Divisions and Hospital Departments

<table>
<thead>
<tr>
<th>Division</th>
<th>Staff</th>
<th>Research ≥30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Oncology:</td>
<td>29</td>
<td>5</td>
</tr>
<tr>
<td>Radiation Oncology:</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>Experimental Oncology:</td>
<td>18*</td>
<td>18</td>
</tr>
<tr>
<td>Medical Physics:</td>
<td>24</td>
<td>4</td>
</tr>
<tr>
<td>Oncologic Imaging:</td>
<td>8*</td>
<td>2</td>
</tr>
<tr>
<td>Palliative Care:</td>
<td>16*</td>
<td>2</td>
</tr>
<tr>
<td>(Radiation Therapy)</td>
<td>9</td>
<td>0</td>
</tr>
<tr>
<td>*Total</td>
<td>129</td>
<td>32</td>
</tr>
<tr>
<td>Endowed Chairs in DOO:</td>
<td>6</td>
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# Department of Oncology Faculty 2016/17

<table>
<thead>
<tr>
<th>Division</th>
<th># Members</th>
<th>Academic Funding</th>
<th>Special Continuing</th>
<th>Contingent Funding</th>
<th>Clinical Academic Colleagues</th>
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<tbody>
<tr>
<td>Medical Oncology</td>
<td>29</td>
<td>2*</td>
<td>18</td>
<td>1*</td>
<td>9</td>
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<tr>
<td>Radiation Oncology</td>
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<td>17</td>
<td>0</td>
<td>7</td>
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<tr>
<td>Medical Physics</td>
<td>24</td>
<td>4*</td>
<td>12</td>
<td>2*</td>
<td>9</td>
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<tr>
<td>Experimental Oncology</td>
<td>18</td>
<td>8</td>
<td>3</td>
<td>6</td>
<td>1 (5 backstopped)</td>
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<tr>
<td>Palliative Care</td>
<td>16</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>Oncologic Imaging</td>
<td>8</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>RADTH</td>
<td>9</td>
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<td>0</td>
<td>0</td>
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<td><strong>28</strong></td>
<td><strong>51</strong></td>
<td><strong>12</strong></td>
<td><strong>42</strong></td>
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Update on Recruitment/Retention 2016

FEC Track
- Michael Kolinsky, Medical Oncology
- Heather Gaunt, RADTH

Division Director Process
- Review Committee – Division Director, Medical Physics
- S & S Committee – Division Director, Experimental Oncology

Department Chair Ongoing

Retirements
- Mr. Colin Fields
- Dr. Peter Venner
<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
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<tr>
<td><strong>Special Continuing</strong></td>
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<tr>
<td>Radiation Oncology</td>
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<td>Medical Oncology</td>
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<tr>
<td>Medical Physics</td>
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</tr>
<tr>
<td><strong>Tenure</strong></td>
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<tr>
<td>Medical Oncology</td>
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</tr>
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<td>Experimental Oncology</td>
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<tr>
<td>Oncologic Imaging</td>
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<td>Medical Physics</td>
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<tr>
<td>Palliative Care</td>
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<tr>
<td><strong>RADTH Teaching FSO</strong></td>
<td>9</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>37</td>
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<tr>
<td><strong>Endowed Chair Recruits</strong></td>
<td>2</td>
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<tr>
<td>Renewals</td>
<td>3</td>
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FEC Promotions commencing
July 1, 2017

Dr. Bogulsaw Tomanek, Medical Physics, Professor

Dr. Atiyah Yahya, Medical Physics, Associate Professor
DEC (CAC) Promotions
commencing July 1, 2017

Dr. Razmik Mirzayans, Experimental Oncology, Clinical Professor
Dr. Yoko Tarumi, Palliative Care, Clinical Professor
Dr. Piyush Kumar, Oncologic Imaging, Clinical Professor
Dr. Amelie Fontaine, Medical Oncology, Associate Clinical Professor
## Department Publication Statistics 2015

<table>
<thead>
<tr>
<th>Department</th>
<th>Abstracts</th>
<th>Abs. First Author</th>
<th>Book Chapters</th>
<th>Journal Articles</th>
<th>Jour. First /Senior Author</th>
<th>Total Dept</th>
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</thead>
<tbody>
<tr>
<td>Experimental Oncology</td>
<td>14</td>
<td>11</td>
<td>5</td>
<td>64</td>
<td>28</td>
<td>122</td>
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<tr>
<td>Medical Oncology</td>
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<td>159</td>
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<tr>
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<td>4</td>
<td>34</td>
<td>5</td>
<td>61</td>
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<tr>
<td>Medical Physics</td>
<td>19</td>
<td>8</td>
<td>2</td>
<td>32</td>
<td>12</td>
<td>73</td>
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<tr>
<td>Oncologic Imaging</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>37</td>
<td>27</td>
<td>65</td>
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<tr>
<td>Palliative Care</td>
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<td>9</td>
<td>5</td>
<td>32</td>
<td>9</td>
<td>69</td>
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<tr>
<td><strong>Total Overall</strong></td>
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<td><strong>17</strong></td>
<td><strong>276</strong></td>
<td><strong>108</strong></td>
<td><strong>549</strong></td>
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</table>
# Department Publication Statistics

*6 month transition period*

<table>
<thead>
<tr>
<th>Department</th>
<th>Abstracts</th>
<th>Abs. First Author</th>
<th>Book Chapters</th>
<th>Journal Articles</th>
<th>Jour. First/Senior Author</th>
<th>Total Dept</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experimental Oncology</td>
<td>0</td>
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<td>0</td>
<td>36</td>
<td>10</td>
<td>46</td>
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<tr>
<td>Radiation Oncology</td>
<td>13</td>
<td>0</td>
<td>5</td>
<td>25</td>
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<tr>
<td>Medical Oncology</td>
<td>19</td>
<td>1</td>
<td>0</td>
<td>28</td>
<td>6</td>
<td>54</td>
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<tr>
<td>Medical Physics</td>
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<td>0</td>
<td>0</td>
<td>17</td>
<td>4</td>
<td>23</td>
</tr>
<tr>
<td>Oncologic Imaging</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>10</td>
<td>3</td>
<td>13</td>
</tr>
<tr>
<td>Palliative Care</td>
<td>8</td>
<td>1</td>
<td>0</td>
<td>15</td>
<td>0</td>
<td>24</td>
</tr>
<tr>
<td><strong>Total Overall</strong></td>
<td><strong>42</strong></td>
<td><strong>2</strong></td>
<td><strong>5</strong></td>
<td><strong>131</strong></td>
<td><strong>27</strong></td>
<td><strong>207</strong></td>
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</table>
# Residents/Graduates/Students

## Residents in respective Divisions - 2016

<table>
<thead>
<tr>
<th>Medical Oncology</th>
<th>Palliative Care</th>
<th>Medical Physics</th>
<th>Radiation Oncology</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>4</td>
<td>2</td>
<td>8</td>
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</tbody>
</table>

## Graduate Students

<table>
<thead>
<tr>
<th>PhD Students</th>
<th>Cancer Sciences</th>
<th>Medical Physics</th>
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<tbody>
<tr>
<td>23 *</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>PhD Awarded</td>
<td>2</td>
<td>0</td>
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<tr>
<td>MSc Students</td>
<td>22</td>
<td>9</td>
</tr>
<tr>
<td>MSc Awarded</td>
<td>1</td>
<td>1</td>
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</table>

* Includes 1 gen. onc. And 7 exp. onc.

## Post-Doctoral Fellows

| 18            |
Departments within the University are responsible for merit increments and COLA.

**Annual Report Statistics**

*6 month transition period for January 1 to June 30, 2016*

<table>
<thead>
<tr>
<th>0A</th>
<th>0B</th>
<th>0.5</th>
<th>0.75</th>
<th>1.0</th>
<th>1.25</th>
<th>1.5</th>
<th>1.75</th>
<th>2.0</th>
<th>Total</th>
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<tbody>
<tr>
<td>7</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>44</td>
<td>21</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>82</td>
</tr>
</tbody>
</table>

| 9% | 0% | 1% | 2% | 54% | 26% | 7% | 1% | 0% | 100.00% |

Departments within the University are responsible for merit increments and COLA.
Some Departmental Highlights

- Clinical Trials
- CRINA
- MICF
- PET/MRI
- NET Programme
- RADTH
  - VERT Simulator
  - Training LINAC
  - Computer Lab
- Recruitments
- KATZ move
- LINAC - MRI
- SAARP
- Preclinical PET/CT
- 3M Award
DOO/CCI Platform Technologies

Image Guided Adaptive Radiotherapy (AHS)
- Tomotherapy, 3T MRI/MRS, animal MR, Linac-MR

Cell Imaging and Flow Cytometry (AHS)
- Confocal & TEM microscopes, Flow cytometer

Molecular Imaging/Imaging Biomarkers (AHS/UA)
- Cyclotron, Probe development, PET/CT, animal PET, (Metabolomics)
- PET/MRI (CFI)

Clinical Trials (AHS)
- Phase 1, 2, 3, 4; Radiation therapy; Imaging; Tissue banking

In Silica screening computer cluster (AHS)
(Tumour Bank) (AHS)
- TMA, Omics,

MICF
- Cyclotron
- Probe development

Vivarium (AHS)
1. First phase new programmes moving forward
2. Wide interest by FoMD
3. Provincial Framework
   a. Accountabilities/Rules/ISA details firming up
4. Critical to future success of Department of Oncology
5. Working going for White paper by July 1
6. Volunteers??
CLINICAL TRIALS- Dr. John Mackey
RADTH – Ms. Susan Fawcett
CRINA – Dr.’s David Eisenstat & Lynne Postovit
Clinical Trials
CCI Clinical Trial Unit
2016 year in review

Patient care
530 patients treated Represents 11% of new patients treated at the institute

Practice changing and practice informing studies

Drug cost avoidance
$ ~5 million marketed cancer drug savings in Alberta

Funds staff
12% of the RNs at the CCI are funded through clinical trial revenue

Brought in ~ $7.3 M from funding sources outside the province
High Impact Clinical Trial Publications


High Impact Clinical Trial Publications

High Impact Clinical Trial Publications

Radiation Therapy Degree Program

- 5 students in first cohort: national certification examination May 2017, convocation June 2017
- 13 students in 2018 cohort
- 10 students in 2019 cohort
Radiation Therapy Degree Program

• Successful accreditation Fall 2016
• RT Training Suite Launch - February 21st

• Admissions
  • Application Deadline – March 1st
  • Multiple Mini Interview (May 5 & 6) – call for volunteers
  • Admission process review
CRINA UPDATES 2016/17

- Shared FOMD Institutes space – Katz 4th floor (with ATI and NMHI)

- Budget approved (3 years: 2016-19)
  Recruitment of a Senior Operations Officer Feb. 1/17 (shared with NMHI);
  Dedicated Junior Program Officer pending

- Governance
  Steering, Advancement, ACRB and External SAB committees are active

- Scientific Strategy
  Research Themes: Next slide
  Strategic Planning & Prioritization; Signature proposal submitted to the UofA
  Working closely with Office of Advancement
  CFI – support of large grants and successful support of 3/8 approved JELF
  (16 submitted)

- Advancement
  External Community Advisory Board is under construction
  Wild Pink Yonder Funds for Breast Cancer Research
  Undergraduate Summer Studentships

- Education
  Leaders in Cancer seminar series; Future Leaders in Cancer seminar series
  Gairdner Symposium (May 2016)
  3rd Research Day Nov. 12 (~250 attendees and ~150 abstracts)
CRINA – Research Themes

1. Seeing cancer: imaging to better detect and target cancer
2. Preventing cancer recurrence
3. Targeting cancer’s vulnerabilities
Next Meeting: Monday June 5th, 2017

Other Business ?
AWARDS 2016

Experimental Oncology
Dr. Michael Hendzel, Oncology Mentorship Award

Palliative Care
Dr. Robin Fainsinger, Eduardo Bruera Award in Palliative Medicine from the Canadian Society of Palliative Care Physicians 2016

Medical Oncology
Dr. Andrew Scarfe, Teacher of the Year Award, University of Alberta Faculty of Medicine & Dentistry – Medical Students Association 2016- This award was given by the students who graduate in 2018

Medical Physics
Dr. Gino Fallone and Mr. Brad Murray, Inaugural Venture Prize for MagnetTx Oncology Solutions

Dr. Gino Fallone, S. Ambrogio Inauguration Award for Lifetime Achievement: S. Ambrogio, Communo Cassino (Monte Cassino), Italy
AWARDS 2016 - Students

RADTH 4th year student, Alberta College of Medical and Diagnostic & Therapeutic Technologists (ACMDTT) 2016 Student Lectureship Award

Stanley Woo

Oncology Graduate Achievement Awards- Students

This award was established by Drs. Joan and Robert Turner and is intended to reward students for excellence in scientific authorship.

Masha Alaee

Devon Germain

Matthew Hildebrandt
Thank you