Research in the Department of Surgery
University of Alberta

Research Retreat
September 11, 2018

David C Williams
Frank Hamilton Mewburn (1858-1929)
Department of Surgery – Research 2016-2017

- New Funded Grant Support
  - $ 7 179 246.00
- Ongoing Grant Support
  - $ 148 467 308.88
- New Grants
  - 52
- Publications
  - 649
    - Abstracts 119
    - Books/Book Chapters 34
    - Original Research Articles 263
    - Posters 37
    - Conference Proceedings 137
    - Journal Article Review 19
    - Editorials 5
    - Letters 5
    - Audio Visual 10
    - Other 4
Department of Surgery – Strategic Pathway Forward
(Individual Choice)

For the next three years, please highlight the line that represents your preferred strategic pathway forward.
Department of Surgery

- Education
- Recruitment and Retention
- Engagement
- Facilitation
- Celebration
• Education
  • Medical School
    • Exposure of medical students to the surgeon and the scientist will increase interest in a surgical research career
  • Residency training
    • thorough grounding in principles of basic research and clinical investigation
  • Journal Clubs
  • Graduate training
    • Ensure adequate supervision
    • curriculum review and modification as needed
• Recruitment and Retention
  • Need to build on the tradition of research through recruitment
    • Basic scientists
    • Clinician Scientists
    • Clinicians
  • Research intensive faculty need to be part of selection process
Department of Surgery

- **Fulltime Faculty**
  - Assistant Professor 7
  - Associate Professor 36
  - Professor 17
  - Assistant Professor (SC) 13
  - Associate Professor (SC) 5
  - FSO 1
  - Total 79

- **Clinical Faculty**
  - Clinical Lecturer 46
  - Assistant Clinical Professor 68
  - Associate Clinical Professor 40
  - Clinical Professor 19
  - Total 173
• Recruitment and Retention
  • Currently only contingent funding or contract positions available for basic science recruits
    • Need to come up with other means of support
      • Foundation and Institute support
      • Departmental and Faculty support
        • Overages, value ads
        • AMHSP
        • Philanthropy
• Engagement
  • Despite faculty knowing the importance of research, engagement remains an issue
    • Time, perceived lack of support and perceived lack of reward
      • All those carrying out research activities must be motivated, protected and valued
        • Mentorship
        • Protected time
          • Group practice/AMHSP
          • Appropriate recognition through communications, awards, and merit
    • Individual groups working in isolation
      • Geography of the department
        • Groups no longer together
Facilitation

- Early collaborations with biostatisticians
- Awareness of clinical databases and administrative databases through platforms that already exist
- Early collaborations with faculty from across campus and with national and international organizations.
- Explore opportunities with Albert Health Services
- Bridge funding
  - How long can we rely on the Faculty?
    - Alternate sources
      - Overages, Value ads, philanthropy
- Grant capture support
  - Peer review
    - Leverage the expertise in the department and across the academy
  - RSO
• Celebration
  • Celebration of activity and successes
    • Retreats
    • Grand Rounds and Divisional Rounds
    • Research Days
    • Awards
    • Communications
      • Annual Report, Sutures, DOS Journal of Surgical Research
    • Community engagement
Department of Surgery

• Mission
  • Working together toward the common goal of providing excellent patient care while strengthening a tradition of teaching, research, and innovation

• Vision
  • Improving Lives Together