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## BIOGRAPHICAL SKETCH

October 28, 2019

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| NAME<br>MacKay, Alex | POSITION TITLE<br>Professor |
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### EDUCATION/TRAINING

| INSTITUTION AND LOCATION                      | DEGREE<br>(if applicable) | MM/YY | FIELD OF STUDY |
|---|---------------------------|-------|----------------|
| Dalhousie University, Halifax, NS             | BS                        | 1969  | Physics        |
| University of British Columbia, Vancouver, BC | MS                        | 1971  | Physics        |
| University of Oxford, Oxford                  | PhD                       | 1975  | Physics        |

### Positions and Employment

1980-1985 NSERC University Research Fellow, Dept of Physics, University of British Columbia  
1986-1988 Assistant Professor, Dept of Physics, University of British Columbia  
1988- 1992 Assistant Professor, Radiology/ Physics, University of British Columbia  
1992- 1997 Associate Professor, Radiology/ Physics & Astronomy, University of British Columbia  
1997-present Professor, Radiology/ Physics & Astronomy, University of British Columbia  
2001-2017 Director, CAMPEP Accredited Medical Physics Graduate Program, UBC Physics & Astronomy  
2002-present Director, UBC Magnetic Resonance Imaging Research Centre

### Collaborators

Neurology: Doris Doudet, Martin McKeown, Anthony Traboulsee, Shannon Kolind; Pathology and Laboratory Medicine: Wayne Moore; Physical Therapy: Lara Boyd, Naznin Virji-Babul; Psychiatry: Will Paneka; Physics: Carl Michal; Radiology: David Li, Cornelia Laule, Alex Rauscher, Piotr Kozlowski

### Graduate Students. PDFs past 5 years

Sandra Meyers, PhD 2015, measuring water content in brain  
Tara Ahmedi, MSc 2014, understanding magnetization exchange in brain  
Jing Zhang – PDF 2013-2016, measuring myelin water fraction by several techniques

### Current Research Funding as PI.

|   |             |
|---|-------------|
| CFI/BCKDF/Supporting finds MacKay (PI) 10 Principal users, 2015 | \$9,021,655 |
| NSERC Discovery Grant MacKay (PI) 01/04/2015 - 31/03/2020       | \$242,500.  |

### Publications last 5 years

31 publications

### Invited talks last 5 years

Local (6); National (2); International (21)