

The **Canadian
Radiological
Foundation**



**Fondation
radiologique
canadienne**

ANNUAL REPORT

2019



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Produced by:

Canadian Radiological Foundation
600 – 294 Albert Street, Ottawa, Ontario K1P 6E6
Tel.: 613 860-3111
Fax: 613 860-3112

Contact:

Corinne Gourlin
Executive Assistant
613 860-3111 ext: 204
canradfound@car.ca
www.canradfound.ca



ABOUT THE CANADIAN RADIOLOGICAL FOUNDATION

VISION

To ensure the sustainable future of patient-focused RADIOLOGY research, education and innovation excellence in Canada and beyond.

MISSION

To promote the art and science of radiology through research and education.

The Canadian Radiological Foundation (CRF) achieves its mission through the funding of projects which help to shape the future of radiology in Canada. In support of this directive, the CRF has sustained the following activities:

- **Research and Innovation Grants** – In support of studies and research projects in diagnostic radiology or interventional procedures, the CRF provides the opportunity to apply for grants and awards accordingly.
- **Leadership Courses in Radiology** – The CRF provides new and unique leadership courses in radiology designed to help radiologists expand their leadership skills and contribute to the future of radiology in Canada.
- **Leadership Scholarships** – The CRF offers leadership scholarships to allow selected CAR members to acquire and develop leadership skills to become radiology leaders of tomorrow.
- **Educational Outreach** – The CRF sponsors qualified CAR members to attend and lecture at various international radiology conferences.
- **CAR ASM Awards** – The CRF sponsors the CAR Annual Scientific Meeting abstract awards. Many of the recipients have gone on to complete further research and contribute to radiology.
- **Reports and Guidelines** – The CRF has commissioned various reports and guidelines such as *The Lifecycle Guidance for Medical Imaging Equipment in Canada*.



MESSAGE FROM THE PRESIDENT

It is a pleasure to provide this message in concert with the CRF Annual Report. I am enjoying my second year as president, and it has indeed been a busy one for our foundation.

The CRF has made some substantial changes to rebrand itself and to raise more awareness for the foundation and the positive impact it is having on radiology. Last April 2019, we launched the 500 Club initiative to encourage 500 people to donate \$500 for three years. This stemmed from a strategic planning session where the CRF Board of Directors identified some clear initiatives that we felt warranted support and investment. The 500 Club is a remarkable success and we continue to increase the number of donors. We also launched a brand-new website. I believe that this was essential in helping to define the CRF and to differentiate our organization from the CAR.

The CRF supported all scientific contest prizes at CAR 2019, enhanced its collaboration with the Canadian Heads of Academic Radiology (CHAR) in research grants, and sponsored a radiologist to speak at the CIR 4th Curso de Actualidades and a resident to attend the RLI Leadership Summit.

We said goodbye with sincere thanks to two Board Directors who served the Board with distinction, Drs. Raquel del Carpio-O'Donovan and Gregory Butler.

Our sincere thanks to all donors, and to the CAR staff for their ongoing commitment.

Please consider donating to the CRF as your financial support is essential to keep our programs going – and growing. 2020 promises to be a very exciting one as the foundation continues its commitment in investment in imaging, intervention, informatics and artificial intelligence education and research.

Dr. Bruce Forster, MSc, MD, FRCPC, FCAR
President of the Canadian Radiological Foundation

2019-2020 BOARD OF DIRECTORS

The CRF Board of Directors is elected by the members of the CRF at the Annual General Meeting (AGM). The CRF's 2019 AGM took place on April 13 in Montreal, Quebec.

The 2018-2019 CRF Board Directors are:

Dr. Bruce Forster
(BC) (President)



Dr. Andrea Lum (ON)
(Vice President)



Dr. David Vickar (AB)
(Secretary-Treasurer)



Dr. James (Jamie)
Fraser (NS)



Dr. Louis-Martin
Boucher (QC)



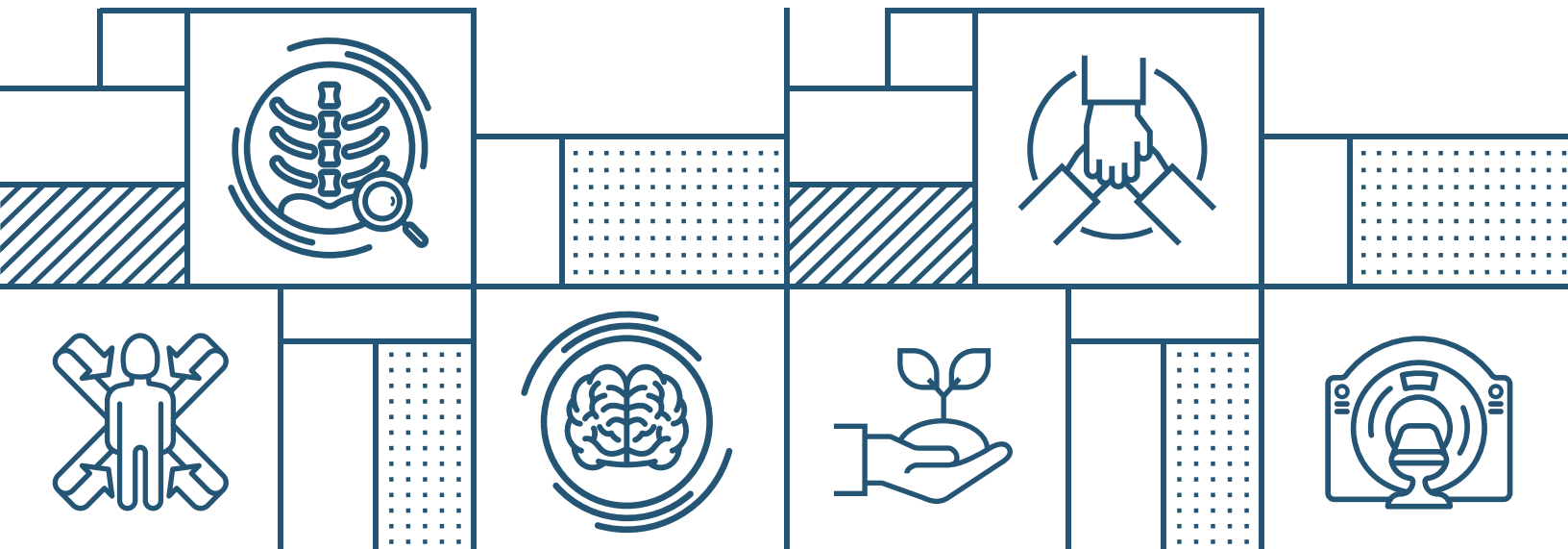
MARKETING AND COMMUNICATIONS PLAN

In an effort to re-invigorate the foundation, the CRF Board of Directors underwent a strategic planning session. Board members and donors were surveyed to help gain insight into the perception of the CFR and how donations could be increased. The information yielded was very insightful and led to the development of a marketing and communications plan. It was determined that the CRF needed to be more visible and to be more independent as an organization. Some of the most notable changes included the creation of a new website canradfound@car.ca. A bilingual video was also created and is available on the website and social media. This is a great visual that provides insight into the foundation and focus. The CRF also launched a marketing campaign, the 500 Club.

500 Club

During the CAR Annual Scientific Meeting (ASM) in April 2019, the CRF launched its **500 Club** campaign to inspire 500 radiologists to help increase the foundation's impact on imaging care and the Canadian radiological landscape.

- We are targeting a goal of \$250,000 annualized contributions over three years.
- Donations will be used to advance initiatives related to the five CRF pillars.
- Donors will receive recognition from CRF in communications, access to Donor Lounge at the CAR ASM and a limited edition pin recognizing membership to the 500 Club.



PROJECTS

CRF/CHAR Research Awards

In conjunction with the Canadian Heads of Academic Radiology (CHAR), the CRF awarded research grants to:



Dr. Nzekwu (University of Calgary) for *Designing an introductory to image guided invasive procedures workshop*



Dr. Maralani (Sunnybrook Health Sciences Centre) for *Quantitative BOLD MRI as a non-invasive tool to unmask the role of glioma stem cells in patients with glioblastoma*



Dr. van der Pol (Juravinski Hospital and Cancer Centre) for *Machine Learning for Liver Imaging: Automating LI-RADS Categorization*

Leadership Scholarships

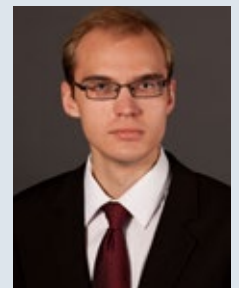
Since 2015, the CRF has instituted leadership scholarships to be awarded yearly. The scholarships are open to CAR members and offer selected participants an opportunity to acquire and develop the leadership skills radiologists need to advance their careers and the profession, and to play a meaningful role in shaping the future of healthcare.

Radiology Leadership Institute (RLI)

The scholarship was awarded to **Dr. Scott Adams**, resident at the **University of Saskatchewan**, who attended the **RLI Leadership Summit** of the American College of Radiology (ACR) in September 2019.

“The RLI Summit has been a tremendous opportunity to gain knowledge and skills to advance the specialty of radiology and improve the care we provide to patients. The summit has provided me with a broader and deeper perspective to embrace opportunities for our specialty and our practices, and has equipped me with strategies to navigate some of the challenges facing radiology now and in the future. I thank the Canadian Radiological Foundation (CRF) and its supporters for this opportunity which the CRF Leadership Scholarship has enabled, and I look forward to contributing to the advancement of our specialty.”

– Dr. Scott Adams



CAR ASM Contest Prizes

The CRF continues to support the CAR's Annual Scientific Meeting contests as part of its efforts to recognize and honour the work of Canadian radiologists and radiologists-in-training in advancing radiology research. The CRF was pleased to give the following prizes presented at CAR 2019 held in Montreal in April.

Departmental Clinical Audit

- **1st Place – McMaster University, St. Joseph's Healthcare Hamilton and Juravinski Hospital and Cancer Centre: Hussam Kaka, Anna Sacchini, Linda Celeste and Abdullah Alabousi**
Implementation of an electronic city-wide protocoling system for after-hours radiology studies
- **2nd Place – University of British Columbia, Vancouver Coastal Health Authority and St. Paul's Hospital: Dennis Parhar, Brendan Quiney, Yogesh Thakur, Michelle Smith, Carly Launza and Sheila Boyd**
Protect Yourself Before You Wreck Yourself: Radiation Protection in Interventional Radiology
- **3rd Place – University of British Columbia and Vancouver General Hospital: Davis Holmes, Raman Srivastava, Tong Lam and Jason Shewchuk**
Appropriateness of CT Head Imaging in 1st Episode PsychosisRadiologists-in-Training

Radiologists-in-Training

- **1st Place – London Health Sciences Centre, Western University, Robarts Research Institute, London Health Sciences Centre and St. Joseph's Health Care: Timothy Miao Beatrice Lau, Aaron Fenster, Lori Gardi, Jonathan Izawa, Joseph Chin, Ashley Mercado and Derek Cool**
Does the prostate MRI definition of sextant regions adequately correspond with transrectal ultrasound to direct non-fusion TRUS biopsy of suspicious MRI masses?
- **2nd Place – Queen's University, University of British Columbia and University of Calgary: Craig Stewart, Vanessa Wiggermann, G.Y. Robin Hsiung, Luanne Metz, David Li, Anthony Traboulee and Alexander Rauscher**
Susceptibility-sensitive MRI to distinguish MS-related white matter FLAIR-lesions from hyperintensities due to CIS, dementia and concussion
- **3rd Place – University of Manitoba: Samuel Neufeld and Iain Kirkpatrick**
Appropriateness of MRI at a tertiary care Canadian hospital according to CAR referral guidelines

Educational Exhibits

- **1st Place – St. Joseph's Healthcare Hamilton and McMaster University: Darya Kurowecki, Michael Patlas and Ehsan Haider Abdullah Alabousi**
IgG4-Related Disease: Current Status and Future Directions
- **2nd Place – Queen's University: Joseph Yang Nancy Chen, Ian Silver, Jonathan Butler, Donatella Tampieri, Omar Islam, Martin ten Hove and Benjamin Kwan**
A Global Overview of Globe Pathologies
- **3rd Place – University of British Columbia and St. Paul's Hospital: Davis Holmes, Isabelle Dupuis, Natasha Dehghan, Kun Huang and Darra Murphy**
Out With The Old, In With The New: Clinicoserologic Classification of Inflammatory Myositis And Imaging Findings

Scientific Exhibits

- **1st Place – The Ottawa Hospital: Zaid Jabri, Mandi Bzdell, Rebecca Hibbert and Kawan Rakhra**
Does cadaveric simulation training improve resident knowledge and confidence in performing fluoroscopic guided joint injections?
- **2nd Place – University of Saskatchewan: Robert Henderson, Xin Yi, Scott Adams and Paul Babyn**
Deep learning for automatic multi-catheter detection on pediatric radiographs
- **3rd Place – Vancouver General Hospital, MGH Institute for Technology Assessment and Massachusetts General Hospital: Francesco Macri, Elina Khasanova, Nathaniel Mercaldo, Anushri Parakh, Avinash Kanbadakone, Travis Redeo and Dushyant Sahani**
Personalized Contrast Media Injection Protocols for Abdominal CT studies

Snapshot of the CAR ASM Contest Prizes Ceremony



Educational Outreach

The CRF sponsored Dr. Elena Pena-Fernandez to participate as a speaker at the 4th curso de Actualizaciones del Colegio Interamericano de Radiología in June 2019 in Cancun, Mexico

"Thank you to the CRF for the opportunity to participate at this congress. It was an absolute honor for me to represent the CAR at this phenomenal course. The CIR course was exquisitely planned, managed and organized and thus it was a total success."

– Dr. Elena Pena-Fernandez



Archiving

The CRF has initiated a project with KnowHistory to catalogue, stabilize and preserve the archival materials (textual and visual records, sound recordings and artifacts) at the CAR office. It is important to document the history of our association and the practice of radiology in Canada to ensure it remains available for future generations of radiologists.

Donations

The CRF would like to sincerely thank all its funders for their donations over the years. Their contributions have allowed the CRF to develop projects and initiatives which otherwise would not have been possible.

Total Donations received in 2019: \$40,140

The CRF would like to publicly recognize the following 500 Club donors:

Adel Assaf	Clifford Levi	Jacques Lévesque	Michael Patlas
Alison Harris	Daniel Bourgeois	James Fraser	Narinder Paul
Amol Mujoomdar	Daniel Lindsay	Jason Shewchuk	Nicolette Sinclair
Andrea Lum	Daniel Petrie	Jeffrey Chankowsky	Peter Liu
Andrew Mason	David Barnes	Jose Aquino	Pierre Bourgouin
Ania Kielar	David Koff	Joseph Chin	Rafael Glikstein
Arlene Kanigan	David Vickar	Julian Dobranowski	Richard Walker
Barry Caplan	Deborah Mabin	Keith Lemay	Sheldon Wiebe
Bill Anderson	Derek Cool	Lawrence Stein	Shiela Appavoo
Bruce Forster	Derek Emery	Louis-Martin Boucher	Silma Solorzano
Carl Chartrand Lefebvre	Edward Lyons	Marco Essig	Sukhvinder Dhillon
Carlos H. Torres	Emil Lee	Matt McInnes	Visal Pen
Carole Dennie	Gilles Soulez	Mehran Midia	William Miller
Carolyn Flegg	Gregory Butler	Michael Barry	

For more information on the CRF or to submit a request for funding consideration, please visit the **CRF website**.