We thank you!

April is Parkinson’s Disease Awareness Month!

Over the past year, the ambassadors of the Parkinson Research Consortium (PRC) have continued to go above and beyond to raise awareness and funds in our community. These efforts directly impact our ability to conduct leading edge research into causes and possible treatments for Parkinson’s disease.

Our most exciting initiative, directly resulting from funding support, is the Integrated Parkinson’s Care Network (IPCN). This initiative coordinates and provides the best and most appropriate hospital and community resources for the personalized needs of each patient, while at the same time producing valuable clinical data. Healthcare plans are designed by a neurologist and overseen by a nurse coordinator who links patients to the appropriate services personalizing patient care.

In the pages that follow we’d like to highlight the success of our research initiatives, showcase achievements by our young scientists and recognize our committed volunteers who tirelessly support our Parkinson’s community by being the champions of the cause.

On behalf of all us, whether you are living with Parkinson’s, a caregiver, volunteer or working behind the scenes in finding a cure for this debilitating disease...

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A message from our Co-Directors

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Integrating Parkinson’s Care Network (IPCN)

The IPCN ‘one stop’ approach was carefully designed to meet the unique needs of each Parkinson’s patient through orchestrating all aspects of care, spanning from drug therapies to community-based services.

In fact, the IPCN ensures that patients get the best, and most comprehensive, care possible in timely manner.

The implementation of the IPCN approach at the Parkinson’s disease and Movement Disorders Clinic in Ottawa begun in 2016 and already shows remarkable results! Within one year, IPCN achieved ten fold increase in patients’ access to health care professionals and made dramatic differences in PD patients’ lives including substantial increase in autonomy and quality of life.

Just as one example, one of the patients at the clinic who previously spent most of the day in bed is now mobile and active.

In fact, 75% of IPCN patients reports that their condition had significantly improved. Indeed, in the little time since its launched the IPCN initiative changed many lives for the better!

Celebrating Progress in Parkinson’s Research
As part of Brain Health Awareness Week 2016

2016 Parkinson Research Consortium Fellowship Awardees

Crabtree Family Fellowship ($30,000)
 Awarded to: Bojan Shutinoski (post-doctoral fellow)
 Title: Thinking Outside of the Brain: LRRK2 and Inflammation Mentor: Dr. Michael Schlossmacher

Toth Family Fellowship ($15,000)
 Awarded to: Brad Mischuk (graduate student)
 Title: Harnessing Glutamate and Dopamine Receptor Crosstalk in Parkinson’s disease and L-DOPA Induced Dyskinesia Mentor: Dr. Mario Tiberi

Audrey Grant Parkinson’s Research Fellowship ($15,000)
 Awarded to: Mark Akins (graduate student)
 Title: Filling gaps in alpha-synuclein related dementias: Identifying critical biomarkers of cognitive conversion in the sphingolipidome Mentor: Dr. Steffany Bennett

Bonnie & Don Poole Parkinson’s Research Fellowship ($15,000)
 Awarded to: Khang Loc Duy Hua (graduate student)
 Title: Role of Wnt/β-catenin Signalling in Adult Zebrafish Dopaminergic Neuron Regeneration Mentor: Dr. Marc Ekker

2-year Fellowships

Shelby Hayter Fellowship ($15,000 for 2 years)
 Awarded to: Zachary Dwyer (graduate student)
 Title: Inhibition of the CSF-1 receptor in LRRK2 G2019S mice to investigate the CX3CR1 pathway in an environmental toxin model of Parkinson’s disease Mentor: Dr. Shawn Hayley

Larry Haffner Fellowship ($15,000 for 2 years)
 Awarded to: Chao-Chia (David) Lu (graduate student)
 Title: Real-time identification of subcortical structures during deep brain stimulation surgery Mentor: Dr. Adam Sachs
In the past year, the following community events were successfully organized by our many volunteers and all the funds raised went to support our scientist trainees and development of better integrated personalized strategies for our Parkinson’s patients.

In 2016 these events raised:

- October 23: **Parkinson’s Benefit Concert** at Greenfield’s Pub raised over $10,000
- March 23: **Audrey Grant’s Better Bridge Event** raised over $20,000 and
- June 19: **Lap the Gats for Parkinson’s** raised close to $94,000

Very special thanks to Audrey Grant who gives of her time year-after-year and Dave and Jill Hogg who lead the planning of the benefit concert who together have raised over $120K for Parkinson’s disease research!

### Lap the Gats for Parkinson’s

June 19, 2016 in the beautiful hills of Gatineau Park in Chelsea, Quebec.

The event took place on the 21 km loop and attracted over 300 riders, supporters and volunteers who together raised close to $94,000.

The event is designed for cyclists of all levels. Participants seeking a challenge competed for Fastest Cyclist and Overall Hill Climber in male and female categories. A King and Queen were also awarded the coveted yellow jersey for Fastest Cyclist and a red and white jersey for Overall Hill Climber.

Our next event is taking place June 25, 2017 as part of NOKIA Sunday Bike Day in cooperation with the NCC.

We are always looking for volunteers and of course riders to participate!

Registration is NOW OPEN!
lapthegats.org
Join Us!
Together we can lap the gats to find a cure!
Innovation means extraordinary treatment

Shelby Hayter ran the Boston Marathon in 2005. A month before, she was diagnosed with early onset Parkinson’s disease. Within a few years, she could no longer run...

Her neurologist Dr. David Grimes explained a year ago that she had almost reached the end of the Parkinson’s medication regime. He suggested the next step was deep brain stimulation surgery where electrodes would be implanted in her brain, providing regular electrical pulses to help control the disease’s tremors.

“I felt at the end of the line, it was a last desperate attempt,” Shelby said.

Shelby was assessed and considered a candidate for deep brain stimulation surgery. On October 18, 2016, during an eight-hour surgery micro-electrodes were implanted in Shelby’s brain. She was awake for 90 percent of the operation. Three weeks later, she had a long involved second part of the procedure when the neurostimulator in her upper right chest was turned on, and the doctors started to determine the optimum balance between the stimulator voltage and her Parkinson’s medication.

Six months later, Shelby is doing well. Her tremors are under control, the stiffness reduced, and she looks and feels younger. Shelby might even wear a red, sparkly dress again.

Written by Season Osborne

WE ARE VERY GRATEFUL FOR THE SUPPORT OF OUR ESTEEMED ADVISORY BOARD OF DIRECTORS
Richard Shantz, Chair
Tom Belton, David Cork, Rob Gibson, David Grimes, MD, John Hamilton, Robert Hanlon, David Hogg, Shelby Hayter, Nick Kaethler, Deanna Monaghan, David Park, PhD, Bea Robertson, Michael Schlossmacher, MD, PhD, Ian Toth

For more information, or to make a donation, Please visit our website at www.ohri.ca/prc or contact our Office:
Parkinson’s Research Consortium | 451 Smyth Road, Ottawa, Ontario, K1H 8M5 | Tel: 1-613-562-5461