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2016/2017
FOUNDATION BOARD
OF DIRECTORS

Barbara Farber, Chair
Leikin Group

Matt Kenny, Treasurer
BMO Nesbitt Burns

Mark Shabinsky, Secretary
Glenview Management Ltd.

Jean Bilodeau
President, UOHI Patient Alumni

Brian Bockstael
Coughlin & Associates

Ron Caza
Caza Saikaley

Rose Gage
Ag Energy Co-Operative Ltd.

Steve Gallant
CIBC Wood Gundy

Kathleen Grimes
Site Preparations Ltd.

Krista Kealey
Ottawa International Airport Authority

Joanne Livingston
Royal Bank of Canada

Ed Lumley (Hon.)
University of Windsor

Dr. Thierry Mesana
President and CEO UOHI

Lisa Mierins Smith
Mierens Automotive Group

Mike Murphy
Retired

Jim Orban
President and CEO, UOHI Foundation

Nick Pantieras
Primecorp Commercial Realty

David Rattray
Public Accountability Consulting

Steve Ramphos
District Realty Corporation

Fayez Thawer
Tasico Hospitality Group

Milan Topolovec
TK Financial Group
It has been an incredible year of growth and progress for the Heart Institute. Since 1976, we have established ourselves not only as the cardiac referral centre for hospitals throughout Ottawa, the Ottawa Valley and the St. Lawrence Seaway, but as a world-renowned centre for cardiac excellence in terms of patient care, research, and education. No small feat and one that would not have been possible without the support of our community.

As we prepare to open the doors to the largest expansion in our history, we are grateful and humbled by the support of our community – and donors like you – without whom none of this would be possible.

Within the pages of this 2016-2017 Annual Report, we will share our successes and celebrate the accomplishments of our successful and inspirational year which advanced our mission of building care in and for our community. We are proud of our community and fundraising efforts and of the many noteworthy advancements made in all four areas of focus: patient care, research, and education and prevention. We are pleased to share highlights which include:

- A record-breaking Heart Month event which raised $476,000
- Our cost for every fundraising dollar raised remains the lowest for Ontario health care foundations
- Corporate and community partnerships that help us reach our fundraising and awareness goals

Expanding the Heart Institute’s patient-centered approach is an ongoing priority and to do so, we rely on financial support from our community. The fundraising focus this year will be on:

- The completion of the new building
- Renovations to optimize the existing space
- The purchase of highly-specialized, critical equipment
- Enhanced support for translational, bench-to-bedside and bedside-to-bedside research initiatives
- Continued support of the Canadian Women’s Heart Health Centre

On behalf of each and every one of us at the Foundation and at the Heart Institute, thank you for giving with heart!

Barbara Farber
Chair,
Leikin Group

Jim Orban
President and CEO,
UOHI Foundation
The University of Ottawa Heart Institute Foundation’s mission is to connect our community to the work being done at the University of Ottawa Heart Institute by developing channels for fundraising and philanthropic support, creating volunteer opportunities, and celebrating the accomplishments and advancements made by the Institute’s clinical, research, and support staff.

We play a vital role in ensuring that many of the most critical components of world-class cardiovascular care are available to patients in our community. We do so by actively raising funds to support equipment purchases, facilities, programs, research, and education at the Ottawa Heart Institute.

With the support of a generous community and through a variety of fundraising opportunities, we are helping an exceptional team of health care professionals advance cardiovascular care and save lives, every day.

Fundraising and volunteer opportunities include:

- Online, in person, and by mail donations
- Mobile giving (text to donate)
- Foundation-hosted events such as the Fuller Keon Golf Tournament, Hearts in Motion, The Red Dress Charity Golf Tournament, Capital Oktoberfest, and Heart Month
- Third party events generously hosted by volunteers and supporters
- Corporate philanthropic support
- Legacy Giving (with a gift for the Heart Institute in your will)
- And more

Public health care funding covers only operating costs, this means that without support from our generous donor community, the Ottawa Heart Institute would not be able to purchase specialized, life-saving equipment, support research objectives and attract additional funds or researchers to advance our ability to unlock groundbreaking discoveries.

### MISSION & VISION

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<tr>
<th>2015/2016</th>
<th>2016/2017</th>
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<tr>
<td>VOLUNTEERS *</td>
<td>42</td>
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<tr>
<td>VOLUNTEER HOURS *</td>
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<td>HEART MONTH</td>
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* Includes number of administrative volunteers, Board members, and Committee members.
* Includes administrative volunteer hours only. Does not include hours for special events, Board and Committee meetings and activities, etc.
The Heart Institute’s new clinical tower – our largest expansion in our 40 year history – is nearing completion. With support of the Ministry of Health and Long-Term Care, Infrastructure Ontario and our generous community, more than 145,000 sq. ft. of new space will soon become part of our facility. We’ve come a long way since the ground breaking in January of 2015 and are now looking forward to beginning the installation of state-of-the-art equipment and to opening the doors of the new tower in Spring of 2018 – less than a year from now!

Once the tower has been occupied, construction will move to the inside where approximately 60,000 sq. ft. of existing space will be renovated to accommodate the relocation of services and treatment areas. The main lobby will also be renovated to include an escalator and easier access to common areas.

NEW FEATURES OF THE EXPANSION AND RENOVATIONS

- More than 145,000 sq. ft. of new space
- 60,000 sq. ft. of updated, refocused space
- Five state-of-the-art operating rooms and one shelled-in operating room for future expansion
- Nine catheterization/electrophysiology labs
- 27 additional surgical critical care beds
- A shelled-in floor to accommodate future expansion

The University of Ottawa Heart Institute Foundation is pleased to work alongside the Ottawa Heart Institute Patient Alumni in their mission to provide opportunities to engage current and former patients to stay involved with the Heart Institute. The Alumni is dedicated to sharing information about the Heart Institute, cardiovascular medicine, heart disease, and healthy living.

They offer a lecture series, awards, a newsletter and more, including an online community, on-site programs for current patients and their new “Meet the Expert” events which bring patients together with medical staff and experts on specific topics. All patients, upon discharge, automatically become members of the Patient Alumni.
PEACE IN HER HEART

Five days after being born in Vancouver, Olivia Hiddema underwent open-heart surgery. Before turning two and moving to Ottawa with her family, she had gone through multiple open-heart surgeries and procedures. As a child, Olivia was monitored regularly by the team at CHEO. She had annual MRIs and received regular echocardiograms, bloodwork, x-rays, and tests. For the most part, her health was stable.

Throughout her childhood, Olivia’s parents encouraged normalcy—even registering her in organized sports though she sometimes had arrhythmia and had trouble keeping up. Through it all, Olivia and her family knew that someday she would need another open-heart surgery, it was just a matter of time.

When she turned 18, Olivia “graduated” from CHEO to the Heart Institute’s Adult Congenital Clinic. “I was kind of intimidated and not sure what to expect after so many years at CHEO,” said Olivia. “But as soon as I stepped foot in the Heart Institute, I realized I was part of an incredible environment. It’s crazy—every time I went for an appointment or follow-up, at every stage I went through there, the team was so caring about my physical and emotional well-being.

In her final year of college, Olivia began feeling increasingly tired and out of breath. Even doing laundry was exhausting. So when her doctors at the Heart Institute told her in October 2015 that it was time to book the surgery, she wasn’t surprised.

On May 13, 2016, at just 20 years old, Olivia underwent open-heart surgery at the Heart Institute. Her right ventricle was made smaller and she received a new pulmonary valve. Ultimately, the nine-hour procedure helped to reroute the flow of her heart to that of a normal, healthy heart.

One week after surgery, Olivia was released from the Institute. There were a lot of side effects as her body adjusted to its new blood flow but, within 6 weeks, things began to feel normal.

Recovery wasn’t easy. In the beginning, Olivia walked just 8 minutes a day, and would add one minute to each day. In August, progressing little by little, Olivia began working with Heart Institute’s rehab team.

Today at 21, Olivia is back at school, back to work, and back to living a normal life—she’s even started to run again and to attempt many of the physical things she couldn’t do as a child! “Today, I feel like I’m going to be okay,” she says. “Because the Heart Institute has taken such amazing care of me.”

Olivia has also joined forces with The University of Ottawa Heart Institute Foundation and CP has Heart as an ambassador in this year’s Beautiful Hearts Campaign to raise awareness and funds for cardiac care and heart-health initiatives for patients of all ages in the Ottawa area. Look for Olivia, and former Ottawa REDBLACKS quarterback (and current CTV Morning Live host) Henry Burris online and on-screen at REDBLACKS home games all season as CP Has Heart and the CFL will be making donations to the Heart Institute for touchdowns scored throughout the season, playoffs, and at the 2017 Grey Cup.
OUR 40TH ANNIVERSARY

In 2016, we celebrated the 40th Anniversary of The University of Ottawa Heart Institute.

OUR HISTORY

1976
University of Ottawa Heart Institute opens its doors.

1976
UOHI performs the first heart transplant in Ottawa.

1981
A heart transplant is performed on an 11-day-old infant — the youngest recipient in Canada.

1984
UOHI performs Ontario’s first angioplasty.

1985
The first use in Canada of the Jarvik 7 artificial heart as a bridge to transplant.

1987
The first heart transplant in Ottawa.

1989
Novel STEMI program demonstrates fourfold reduction in mortality among high-risk heart attack patients.

1992
The first use in Canada of the Jarvik 7 artificial heart as a bridge to transplant.

1997
Researchers identify a DNA sequence that indicates a 40% patient increase in susceptibility to heart disease.

2000
The world’s first bedside genetic test determines if a patient is at risk of reacting poorly to standard drug therapy.

2002
Novel STEMI program demonstrates fourfold reduction in mortality among high-risk heart attack patients.

2004
A heart transplant is performed on an 11-day-old infant — the youngest recipient in Canada.

2005
Canada’s first Positron Emission Tomography (PET) Centre opens.

2007
A heart transplant is performed on an 11-day-old infant — the youngest recipient in Canada.

2009
The surgical teams perform the Heart Institute’s 15,000th, 16,000th, and 17,000th heart transplants in a 24-hour period.

2011
The surgical teams perform the Heart Institute’s 15,000th, 16,000th, and 17,000th heart transplants in a 24-hour period.

2012
A heart transplant is performed on an 11-day-old infant — the youngest recipient in Canada.

2013
Breaking ground of new facility

2014
Opening of the new Canadian Women’s Heart Health Centre

2015
Opening of our new clinical tower

2018
Acquisition of cardiac MRI

2018
University of Ottawa Heart Institute opens its doors.
The Canadian Women’s Heart Health Centre (CWHHC), the first of its kind in Canada, draws on the expertise of the Heart Institute to build programs to improve care and raise awareness of heart disease in women. To do so, the CWHHC has established and enhanced a number of programs and outreach services, including (but not limited to):

The **CardioPrevent® Program**, a global Cardiovascular disease risk reduction program that provides an evidence-based, tailored primary prevention cardiovascular health program for moderate to high risk patients. Outreach Facilitators work with primary care practices to introduce systematic processes to screen at-risk CVD patients who can then be linked into the CardioPrevent Program. Patients undergo a full risk factor screening, receive tailored education and programming supported by behavioral-based counseling, frequent follow-ups, and referral and community resource linkages when required.

- 1024 referrals to date
- Global cardiovascular risk was reduced by a relative 27% over time
- Patient satisfaction is very high; 4.7/5.0
- Licensing agreement to adopt the program model with the University of Ottawa Health Services

**IMPROVE POST-PARTUM PROGRAM**

Pregnancy is often described as a “stress test” that can help identify women who are at risk of developing chronic diseases later in life. It is well established that women who have had a pregnancy complicated by preeclampsia are at an increased risk of developing premature vascular disease as well as traditional vascular risk factors (hypertension, dyslipidemia and type 2 diabetes). Physician’s awareness of a hypertensive disorder of pregnancy as a risk factor for cardiovascular disease is limited. There seems to be no structured follow-up of women after a hypertensive disorder of pregnancy, and guidelines on cardiovascular risk management after a hypertensive disorder of pregnancy are lacking.

The CardioPrevent program has been modified with IMPROVE (Identifying Methods for Postpartum Reduction Of Vascular Events) to the needs of this unique population and improves physician engagement to screen these at-risk women.

- 64 referrals to date
- Partnership agreement to adopt the program model with Alberta Health Services (Jan 2017)

The **Women@Heart Program** is designed to create a caring environment for women to learn from each other and support one another in the road to recovery. The main goal is to provide women with heart disease, in every community, with access to emotional support, education support and a caring environment for a better recovery after a cardiac event.

- 36 community groups launched to date (9 more groups by Dec 2017)
- 290 participants enrolled to date
- 28 certified peer leaders to date
- Patient satisfaction is very high; 4.5/5.0

The **Virtual Care Program** is an online cardiovascular health management system that provides best practice strategies for the control and management of risk factors. It is designed to raise awareness...
about an individual’s health status and to motivate them to manage and improve their health and well-being. The platform can be accessed by participants who are at-risk (increased risk of developing heart disease due to poor lifestyle behaviors and medical risk factors) and patients who have established heart disease (virtual cardiac rehabilitation option). In addition to having access to the platform and its features, some of these patients will have access to a Health Coach remotely who will guide, support and encourage them in improving and managing their risk factors. These patients will engage in a 6-month program that includes nine health coaching sessions and two health risk appraisals (assessments) at the start and end of the program (baseline and 6-months). Patients connect with their health coach remotely.

- 688 registered to date
- 194 receiving health coaching

**CANADIAN WOMEN’S HEART HEALTH SUMMIT**

The next Canadian Women’s Heart Health Summit is taking place April 5-6, 2018 at the Westin Ottawa Hotel in Ottawa, Ontario.

**CWHHC INITIATIVES**

**CARDIOPREVENT**

Evidence-based, theory-driven cardiovascular health program to support health care providers in empowering women at-risk to take control of their heart health.

**WOMEN@HEART PROGRAM**

Patient exemplars trained to serve as local support group leaders and community educators to support other women in their recovery from heart disease.

**VIRTUAL CARE PROGRAM**

Online cardiovascular health management system for patients at-risk and those with heart disease that provides best practice strategies for the control and management of heart disease risk factors.

**POST-PARTUM PILOT PROGRAM**

A pilot study to assess the feasibility of a postpartum CVD prevention lifestyle program in women with hypertensive disorders of pregnancy.

**WEBSITE & CALL TO ACTION VIDEO**

Increase awareness about the prevalence and significance of heart disease among women.

**RESEARCH CHAIR IN CVD PREVENTION AND REHABILITATION**

Research on novel approaches to the prevention, the early diagnosis and the management of heart disease among women.

**NATIONAL SURVEYS**

Perceived versus actual knowledge and risk of heart disease in women: Findings from a Canadian survey on heart health awareness, attitudes, and lifestyle.
IN THE VALLEY

CURLERS’ HEARTS CERTAINLY NOT MADE OF STONE

The University of Ottawa Heart Institute provides care to patients throughout Eastern Ontario. In many communities, the effect of that care can have a deep and meaningful impact on the people who live there. Members of these communities – like those in Vankleek Hill - are keen to show their support and gratitude for the world-class cardiac care that is available to them, so close to home.

“If you don’t have a heart, you’re not going to live. You need a heart to live, and a big heart to donate.”

Simple yet profound words from Bruce McNaughton, a member of the Vankleek Hill Curling Club for over 30 years, and one of the organizers of the annual Vankleek Hill Curling Club Bonspiel.

The Vankleek Hill Curling Club Bonspiel has been an annual event for over 15 years. In 2016, Bruce and his co-organizer, friend, and fellow club member Maurice (“Pitt”) Paquette took over the organization of the event and chose the University of Ottawa Heart Institute Foundation as its beneficiary and in the last two years, Bruce and Pitt have rallied their community to raise over $15,000.

Bruce is passionate about giving to this important cause. “It’s a wonderful facility to have in the community. We have to raise money to keep it going”, said Bruce. “In fact,” he mentioned, “5 or 6 curlers this year were once patients at the Heart Institute.” Many of their friends and neighbours – including the curlers Bruce mentioned – feel fortunate to have had access to the Heart Institute when they needed it.

Personal reasons played a part in both Bruce and Pitt’s decision to support the University of Ottawa Heart Institute Foundation. Although each of their fathers are now deceased, Bruce’s father benefitted from two open heart surgeries at the Heart Institute in the early 1990s, and Pitt’s father also struggled with a heart condition. Bruce’s sister, Marion Martell received care at the Heart Institute. Now a Women@Heart Ambassador, Marion has been volunteering there for 10 years and is currently the Chair Emeritus of the Jeanne Fuller Red Dress Fundraising Charity Golf Tournament which raises funds to benefit the Canadian Women’s Heart Health Centre at the Heart Institute, also the recipient of the Bonspiel’s proceeds. Her involvement was a catalyst for the choice to support the foundation with this bonspiel. “She’s a good ambassador for the Heart Institute”, said Bruce.

Bruce and Pitt have each given of their time and energy to organize the bonspiel and their efforts have succeeded in rallying donations from club members and the Vankleek Hill community at large. In 2016, with limited time to promote the event, $4,000 was raised by 64 curlers. In 2017, the event boasted 80 curlers, and funds raised totaled $6,182. Scotiabank matched the total amount donated this year with a contribution of $5,000, bringing the final fundraising result to $11,182.

“The community in Vankleek Hill and surrounding areas has been very good to give back.” said Pitt. “If you ask — they don’t hesitate.”

Pitt and Bruce have high hopes for next year’s bonspiel, “People are looking forward to it and hopefully we get more curlers and raise more money next year”, said Pitt. With equal parts humour and humility he adds, “When Bruce and I organize events, people know it’s going to be fun. We even have a trophy for bragging rights!”

The Vankleek Hill Curling Club Bonspiel takes place each February during Heart Month.
FINANCIAL ALLOCATIONS

2015/2016

$313,000 TO EDUCATIONAL PROGRAMS

$718,000 TO THE INSTITUTE’S EQUIPMENT NEEDS

$5.188M TO INTEGRATED RESEARCH INITIATIVES

2016/2017

$325,000 TO EDUCATIONAL PROGRAMS

$631,000 TO THE INSTITUTE’S EQUIPMENT NEEDS

$4.430M TO INTEGRATED RESEARCH INITIATIVES


“THE ONLY WAY I CAN DESCRIBE MY EXPERIENCE IS THAT — WHEN YOU’RE A PATIENT AT THE HEART INSTITUTE — IT’S LIKE YOU’RE THE ONLY ONE THEY CARE FOR IN THAT VERY MOMENT.”

- OLIVIA HIDDEMA
LEGACY GIFT HONOURS HUMANITARIAN COUPLE’S COMMITMENT TO EDUCATION AND PHILANTHROPY

Dr. Hyman (Hy) Kaufman and his wife, Dr. Sylvia Van Straten Kaufman spent their lives committed to making a powerful impact on future generations. A shared passion for philanthropy, research, and education, together with a strong belief in the potential of rapid developments in cardiology, inspired the Kaufmans to leave a legacy with a generous gift to the University of Ottawa Heart Institute.

Often, the choice to leave a legacy gift in your Will stems from each donor’s personal experience - the Kaufmans were no different. In 1980, following Hy’s retirement from McGill University where he was a Professor of Mathematics (and where he and Sylvia met and married in 1959), the Kaufmans moved to Ottawa. In 1988, Hy became a patient of the University of Ottawa Heart Institute as a result of a heart attack. In 1995, he underwent double bypass surgery and an aortic valve replacement - the Kaufman’s Endowment Fund and the beginning of their legacy would begin just 5 years later.

The Drs. Kaufman started the Dr. Hyman and Dr. Sylvia Van Straten Kaufman Endowment Fund at the Heart Institute in 2000 and for over 15 years, the fund supported the Institute’s annual Kaufman Grand Round Lecture, enabling medical professionals to learn, grow, and exchange knowledge and ideas. Many esteemed lecturers have participated in this annual event, including specialists from world-class hospitals such as The Cleveland Clinic, and from as far away as Abu Dhabi, in the United Arab Emirates.

In addition, the Kaufmans’ legacy gift supported the creation of the Dr. Hyman and Dr. Sylvia Van Straten Kaufman and Dr. Kwan-Leung Chan Fellowship in Echocardiography. This fellowship honours the Kaufmans’ wishes to transform their legacy gift so that it would have greater impact on research and education in the field of cardiac medicine.

The Kaufmans’ gift also had significant impact on the Heart Institute’s new building, slated for completion in March of 2018. Their gift contributed to the purchase of highly specialized medical equipment, and to development and outfitting of patient-focused care facilities such as the unique and innovative Hybrid Operating Room.

The Kaufmans were academics - Hy held Ph.D.s in Mathematics and Physics while Sylvia’s Ph.D. was in Chemistry – who also shared a deep love and appreciation for art in all forms: music, poetry, painting and more. Four paintings created by the couple, two each by Hy and Sylvia, now adorn the walls of the Kaufman Training Centre at Hillel Lodge, yet another example of the Kaufman’s commitment to leaving a legacy in and for their community.

Both Hy and Sylvia displayed their humanity by impacting others through education and charitable giving throughout their lives. Hy continued to grow the fund at the Heart Institute in her honour after Sylvia’s passing in 2006 and, following Hy’s passing in 2014, the full extent of their gift was conferred upon the Heart Institute and it is our esteemed honour to continue their legacy.
IMPACT OF LEGACY GIVING

The Heart Institute is poised to succeed, but financial support is critical to our ongoing success. We have developed our Legacy Gifts Program to inspire our supporters to invest in the future of the Institute by including a gift to the Heart Institute in their will. Legacy gifts have a profound impact, ensuring that the Heart Institute can continue to save lives and achieve research breakthroughs well into the future.

Legacy gifts are managed by the Foundation’s Board of Directors and used to support the purchase of priority capital equipment, to fund the Heart Institute’s innovative research endeavours, to push the development of life-saving procedures, and to provide remarkable care to our patients. By providing a legacy gift, you are contributing to a perpetual source of support for the Heart Institute.

WILBERT J. KEON LEGACY SOCIETY

Donors that choose to support the Heart Institute through a gift in their will are recognized as members of The Wilbert J. Keon Legacy Society. If you would like more information about leaving a Legacy Gift as a member of the Dr. Wilbert J. Keon Legacy Giving Society, contact the Foundation at 613-696-7263 or visit: https://foundation.ottawaheart.ca/ways-give/legacy-giving
Endowed lectureships enable the Heart Institute to invite world-renowned experts in cardiovascular medicine and research for a formal exchange of ideas. This exchange of knowledge contributes to our search for a cure. Endowed lectureships provide the resources required to maintain this rich exchange annually.

Margaret & Theodore Marr Family Endowed Lectureship in Electrophysiology
Douglas P. Zipes, MD, Krannert Institute of Cardiology, Indianapolis, IN
April 18, 2016

Foustanellas Cardiac Surgery Endowed Lectureship
Vinod Thourani, MD, FACC, FACS, Emory Hospital Midtown, Atlanta, GA
June 6, 2016

Wilbert J. Keon Endowed Lectureship
Valentin Fuster, MD, Mount Sinai Hospital, New York, NY
June 20, 2016

Anand & Saroj Aggarwal South Asian Heart Health Endowed Lectureship
Donald Lloyd-Jones, MD, Northwestern University, Chicago, IL
September 12, 2016

Sheila & Don Bayne Cardiovascular Genetics Endowed Lectureship
Robert O. Bonow, MD, MS, Northwestern Memorial Hospital, Chicago, IL
September 26, 2016

Dr. Robert Roberts Lectureship
Professor Michael Frenneaux, Norwich Medical School, Norwich, UK
October 3, 2016

J. Earl Wynands Endowed Lectureship in Cardiac Anesthesiology
Davy Cheng, MD, London Health Sciences Centre & St. Joseph Health Care, Western University, London, ON
October 5, 2016

Servier Canada Endowed Lectureship in Heart Function
Marc A. Pfeffer, M.D., Ph.D., Brigham and Women’s Hospital, Boston, MA
October 17, 2016

Dr. Robert Roberts Lectureship
Brian Rowe, MD University of Alberta Edmonton, AB
February 13, 2017

Michael Potter and Family Cardiovascular Genetics Endowed Lectureship
Elena Aikawa, MD Harvard Medical School Boston, MA
March 27, 2017
The update included herein has been summarized from the full financial statements, audited by PriceWaterhouseCoopers LLP, which are available for download on our website (www.ottawaheart.ca) in English and French.

### STATEMENT OF FINANCIAL POSITION

<table>
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<th>YEAR ENDED MARCH 31, 2017</th>
<th>YEAR ENDED MARCH 31, 2016</th>
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## SUMMARY OF OPERATIONS

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<th>YEAR ENDED MARCH 31, 2016</th>
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<td>Investment Income</td>
<td>$7,621,977</td>
<td>($631,222)</td>
</tr>
<tr>
<td>Total Revenue</td>
<td>$21,770,157</td>
<td>$14,611,215</td>
</tr>
<tr>
<td><strong>EXPENSES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td>$656,635</td>
<td>$674,529</td>
</tr>
<tr>
<td>Fundraising</td>
<td>$2,314,441</td>
<td>$2,361,889</td>
</tr>
<tr>
<td>Net Revenue Before Grants</td>
<td>$18,799,081</td>
<td>$11,574,797</td>
</tr>
<tr>
<td>Grants</td>
<td>$13,476,369</td>
<td>$6,397,696</td>
</tr>
<tr>
<td>Excess of Revenue over Expense</td>
<td>$5,322,712</td>
<td>$5,177,101</td>
</tr>
<tr>
<td>Fund Balances (Beginning)</td>
<td>$84,604,750</td>
<td>$79,427,649</td>
</tr>
<tr>
<td>Fund Balances (End)</td>
<td>$89,927,462</td>
<td>$84,604,750</td>
</tr>
<tr>
<td>Cost per Dollar Raised (Includes investment income)</td>
<td>$0.14</td>
<td>$0.21</td>
</tr>
<tr>
<td>Cost per Dollar Raised (Excludes investment income)</td>
<td>$0.21</td>
<td>$0.20</td>
</tr>
</tbody>
</table>
The research enterprise, led by Dr. Peter Liu, Chief Scientific Officer, and Heart Institute CEO Dr. Thierry Mesana, is directed by the Ottawa Region for Advanced Cardiovascular Research Excellence (ORACLE) strategy (2013-2017). The strategy includes the formation of multi-disciplinary, regional innovation clusters involved in actively addressing key questions for cardiovascular disease research. The Foundation has supported the ORACLE strategy over the course of the four year implementation. Some key successes of the ORACLE strategy are:

1. The innovation clusters are working on a number of pilot projects that are addressing major gaps and unmet needs in the knowledge base that can potentially transform the field. The Foundation supported the funding of 11 pilot projects to ultimately improve patient prevention, treatment and care. The researchers have made some exciting discoveries and developed innovations; and have published the work in internationally recognized scientific journals and presented at international conferences. In some cases the pilot results have been used to successfully apply for and receive funding from national granting agencies to help the projects advance to the next level!

2. Recruitment of 5 new cardiovascular Scientists (in partnership with the University of Ottawa). The Foundation provided funding to allow them to set up their laboratories and research program at the Institute.

3. Creation of a cardiovascular (CV) biobank for collection and storage of blood and tissue samples for use in research.

4. Acquisition of major research infrastructure, including a state of the art microscope for visualizing heart cells and tissues – the UOHI Foundation funding allowed leverage of a large Government of Ontario grant.

The next phase for research at the Institute is the development of an update to the strategy - ORACLE 2.0 (2018-22).

The Foundation supports the next generation of researchers through Endowed Fellowships to train highly qualified academics undertaking research at the Heart Institute. Through a highly competitive process only the very best research trainees are awarded these fellowships.

The following fellowships were awarded or renewed in 2016/2017:

- **Benoit Laffont, PhD, Postdoctoral Fellow**  
  **Supervisor:** Katey Rayner, PhD  
  **Project title:** A role for microRNAs in regulating macrophage necroptosis during atherosclerosis development

The Strategic Research Fellowship provides funds for a two-year term to postdoctoral or clinical fellow(s) working in an area of research that aligns with the ORACLE strategy. Priority is given to incoming and international recruits.
There are currently three Division of Cardiology Fellowships which provide funds for up to two years to postdoctoral or clinical fellows conducting research in the Division of Cardiology.

- **Ernest and Margaret Ford Fellowship**
  *Fernanda Erthal, MD, Clinical Fellow*
  **Supervisors:** Rob Beanlands, MD; Benjamin Chow, MD
  **Project title:** Innovative myocardial characterization using multi-modality imaging; validation and application to direct therapies

- **Vered-Beanlands Fellowship**
  *Daniel Juneau, MD, Clinical Fellow*
  **Supervisor:** Rob Beanlands, MD
  **Project title:** Use of advanced cardiac imaging in cardiac inflammation

- **Whit and Heather Tucker Fellowship**
  *Han-bin Lin, PhD, Postdoctoral Fellow*
  **Supervisor:** Peter Liu, MD
  **Project title:** The essential role of innate immune NOD1/RIP2 signaling pathway on cardiac hypertrophic response

The Jan and Ian Craig Fellowship provides funds for up to two years to a postdoctoral or clinical fellow conducting research in the Division of Prevention and Rehabilitation.

- **Adam Heenan, PhD, Postdoctoral Fellow**
  **Supervisor:** Heather Tulloch, PhD
  **Project title:** Psychosocial correlates of cardiovascular health and health behaviour change

The Lawrence Soloway Fellowship provides funds for up to two years to a postdoctoral or clinical fellow conducting research in the Division of Cardiac Surgery.

- **Godwin Dogbevia, PhD, Postdoctoral Fellow**
  **Supervisor:** Erik Suuronen, PhD
  **Project title:** The role of the cardiac extracellular matrix in the function and repair of the myocardium

The University of Ottawa Cardiac Endowment Funds and Graduate Awards provide funding for a two-year term to postdoctoral fellows and graduate students (PhD or MSc level) based at the Heart Institute and registered with the University of Ottawa.

- **Ali Ahmadi, PhD, Postdoctoral Fellow**
  **Supervisor:** Lisa Mielniczuk, MD
  **Project title:** Testing fatty acid oxidation Inhibition as a potential novel treatment strategy in pulmonary artery hypertension and right heart failure

- **My-Anh Nguyen, PhD Student**
  **Supervisor:** Katey Rayner, PhD
  **Project title:** Role of exosomal microRNAs in atherogenesis

- **Reza Jafar, PhD, Postdoctoral Fellow**
  **Supervisors:** Munir Boodhwani, MD; Vincent Chan, MD; Michel Labrosse PhD
  **Project title:** Patient-specific heart valve virtual surgery

- **Ragnar Vilmundarson, PhD Student**
  **Supervisor:** Alexandre Stewart, PhD
  **Project title:** Indels in the human genome and their relationship with coronary artery disease

- **Jonathan Weldrick, PhD Student**
  **Supervisor:** Patrick Burgon, PhD
  **Project title:** Cardiogenomic reprogramming of the perinatal heart: Transitioning from a fetal heart to an adult heart

**RESEARCH INITIATIVES IN 2016/2017 INCLUDE:**

- **4** Researchers recruited and set up labs at the Heart Institute
- **$4.43M** in funding made possible by generous donors
- **11** Fellowships to train the next generation of researchers
- **69** Research group leaders, including 24 scientists and clinician scientists
- **274** Active clinical research studies
EVENTS AND COMMUNITY OUTREACH

Special events are a big part of the work the Foundation does to engage with our community, raise funds for critical cardiovascular programs, services, and equipment, and spread the word about the importance of heart health and the world-class cardiac research and care available right here in our community.

In 2016/2017, we hosted six signature events (Heart Month, the Fuller Keon Charity Golf Tournament, Hearts in Motion, the Jeanne Fuller Red Dress Charity Golf Classic, Capital Oktoberfest, and our 40th Anniversary Gala) and worked with community leaders who hosted 17 events in and around our community. Together, and with contributions from sponsors and corporate donor matching, these events raised more than $960,000 to support The University of Ottawa Heart Institute.