

RCH1000

Supporting Research
at The Royal Children's Hospital

NEWSLETTER
2019

IN THIS EDITION

Message from the
Chairman

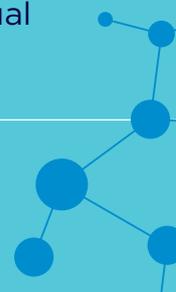
Research and Impact

Update: Happi Kids

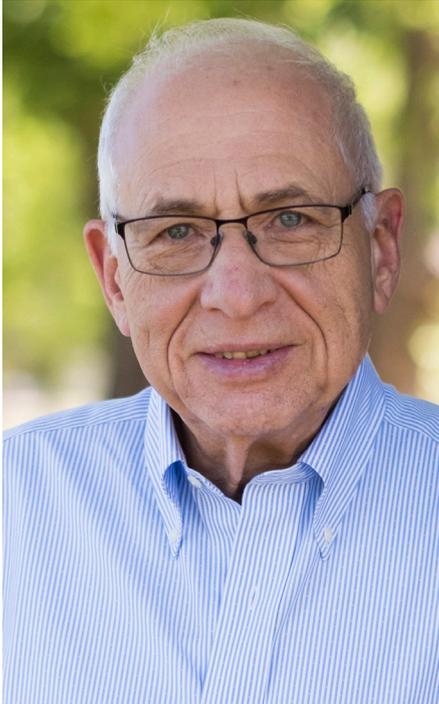
RCH1000 Annual
Dinner

Looking Forward

2019 Calendar



Chairman's Note



Welcome to 2019! I have been working with The Royal Children's Hospital (RCH) for a long time now and I am proud of its ground breaking work and the amazing complex care provided to patients and families on a daily basis.

My work with RCH1000 also makes me proud, as do its members. 17 years ago it was founded with the ambitious goal of 1000 people giving \$1000 each year to fund research, and every day we are moving closer to it.

You may have noticed our new look. We hope that this new logo will help us move boldly into a new phase of growth.

I'd like to welcome Regina McInnes to the role of Deputy Chair of the RCH1000 committee. Regina brings her passion and experience to the committee and I look forward to sharing her ideas with you all.

In this edition you'll hear stories of our world leading research, past discoveries that have impacted children's health-care around the world, and current research and its exciting implications.

This year we want to acknowledge your service to this research via RCH1000. Please keep an eye out for five, ten and fifteen year certificates that will be coming your way to commemorate membership

milestones. Thank you for your years of support and believing in innovation and the power of research.

As always we will provide engagement and networking opportunities as a means for you to introduce new members and to learn a little more about the hospital.

To finish up I thank you for your generosity and support, but this year I also want to call you to action. Join us as we strive to double our membership. To double our membership we need each and every one of you to have just one person join you in supporting the RCH. Help RCH1000 have an even greater impact on research and children's health-care.

Sincerely,

A handwritten signature in black ink, appearing to read 'Barry Novy', with a long horizontal stroke extending to the right.

Barry Novy AM
Chairman of RCH1000

UPDATE: HAPPI Kids are healthy kids

Words by Professor Paul Monagle



Due to the success of HAPPI Kids One and thanks to generous and future focused RCH1000 members, we are excited to announce our support for HAPPI Kids Two.

HAPPI Kids was started by Professor Paul Monagle who is a recognised world-leader in the field of paediatric haemostasis, the stopping of blood flow, and antithrombotic therapy, which is a drug used to treat or reduce blood clots.

He has served as chair on international societies in haemostasis and thrombosis and set guidelines on international steering committees.

Paul is an active teacher, involved in education at undergraduate and post graduate levels as well as research students. He is also the co-author of multiple textbooks and has over 250 publications.

Needless to say we're incredibly grateful to each member of RCH1000, as Professor Paul Monagle's research would not be possible without your support.

HAPPI Kids I

A blood test will help diagnose if a child is sick, monitor the progress of a child's illness and treatment, or confirm that a child is, medically speaking, 'normal'. Normal is considered where 95 per cent of the population will lie when in good health, and what blood tests are measured against. However, the normal range changes with the age of the patient and what is normal for an adult may be extremely abnormal for a child.

HAPPI Kids I was a study designed to fix this dilemma by collecting blood from 'normal' healthy babies and children from birth to 18 years old and creating a database with this information.

Researchers can now measure the blood tests of sick children against data that is more relevant to what is normal for their age, this is a massive step forward in understanding the clinical utility of these tests in children.

HAPPI Kids II

This new commitment firmly establishes RCH1000's vision of supporting research both now and into the future, helping to change the lives of generations to come.

Like Phase I, HAPPI Kids II aims to establish age-specific reference ranges for clinical requirements, this time for more complex and obscure diseases. The project will employ a team of dedicated paediatric trained pathology collectors to collect blood from a range of healthy children who are having

minor day surgery at multiple participating hospitals. The collection sample will include newborn and prematurely born babies, to those aged up to 18. The collection processes will be identical to those in HAPPI Kids I.

Such a huge project would not be possible without the generous support of RCH1000 and the goodwill of the many families and their children at participating hospitals. The outcomes of HAPPI Kids are improving the quality of pathology tests for children locally, nationally, globally and for the first time, provide comparative data across all major biochemistry, immunology and haematology platforms used worldwide.

We believe the continuance of this project will ensure that the RCH is truly at the centre of excellence for paediatric pathology.



Looking forward

We have a goal to double our membership. We believe if we double our members, we double our impact. Help us step into the future.

The passion of our members is what makes this program succeed, so who better to promote RCH1000 than the people who best embody it? We want you to share this newsletter, speak to your networks about why you support RCH1000 and what excites you about it.



RCH1000 is going paperless

In an effort to reduce our impact on the planet, we will be sending all future correspondence via email (unless otherwise requested). This includes invoicing and receipting. Please let us know if we need to update your details.

Behind the design

You might notice we look a little different. We're taking RCH1000 into the future and we want you to come with us. Our new logo has been designed to convey our research based mission as well as the innovation shared by our clinicians and RCH1000 members who make their work possible. We know our members are forward thinking and we want to reflect this.



Learning from the best

We know our members are an inquisitive bunch, which is why the benefits of being part of RCH1000 includes receiving private tours of the RCH Laboratory Services and getting an inside look at how the labs work.

Last year's annual program of events began in April with a tour of the Hugh Williamson Gait Analysis Laboratory, led by manager Pam Thomason. The Gait Laboratory is an impressive and innovative space, utilising the latest technology to help analyse the gait of children who require corrective procedures. With the assistance of detailed scanning and motion-tracking equipment, a team of experts including physiotherapists and surgeons are able to prescribe the most effective treatment based on

the results of the analyses. Pam shared several stories of the world-leading work done by her team in this first-of-its-kind, philanthropically funded facility.

Grand Rounds

Grand Rounds is always a popular program at the RCH. Jointly sponsored by the University Of Melbourne Department Of Paediatrics, MCRI and the RCH, Grand Rounds is the flagship educational meeting of the RCH campus. This informative and dynamic series is expected to broaden our experiences and understanding of child and adolescent health, regardless of whether we come from a clinical, research, academic, or other background.

RCH1000 featured in October's grand rounds with Professor Paul Monagle and Dr Helen Savoia providing a special presentation in the sharing findings from HAPPI Kids I. Another example of world-first and world-class treatment at the RCH thanks to the generosity and shared vision of our donors.

In this newsletter we've included a calendar so you'll never miss out on the chance to connect with your fellow members, be inspired by leaders in research, and see firsthand what medical philanthropy can do to change lives.

Research and Impact

MIS BAIR Study

Funded by the RCH Foundation, Professor Nigel Curtis and the team in Infectious Diseases is looking at how an inexpensive and readily available vaccine could have significant impacts on reducing the burden of illness, and potentially even allergies, in children. The vaccination is the Bacillus Calmette-Guérin (BCG) vaccine.

Currently BCG is administered to over 120 million infants worldwide each year to prevent tuberculosis, an infection often without symptoms that typically affects the lungs. In Australia, routine administration of BCG was discontinued in the 1980s because of the low amount of tuberculosis. In countries where the administration of the vaccine is still common practice there is a noted reduction in allergies and BCG has been associated with this.

The MIS BAIR study is based on the idea that BCG vaccination will promote the development of an immune system that is better at fighting infection and less prone to allergy.

Each of the 1,400 babies enrolled in the study will be randomly allocated, shortly after birth, into one of two groups. One group will be given the BCG vaccine and the other will not. Babies will then be followed until they are about one year old, looking for the causes and signs of infection, food allergy and eczema.

Hugh Williamson Gait Analysis Lab

Those members who went on the lab tour in April last year will be pleased to know that the Hugh Williamson Gait Analysis Laboratory, will soon feature an innovative new three dimensional motion capture system.

This will include high definition cameras to better capture patient movement, and allow for smoother integration with other equipment on site.

This new, advanced equipment will help provide a more in-depth analysis of patients, providing clinicians with greater insights into their development, which in turn helps to inform essential programs for treatment and rehabilitation.

In 2018 the RCH had...

86,140
presentations to Emergency Care

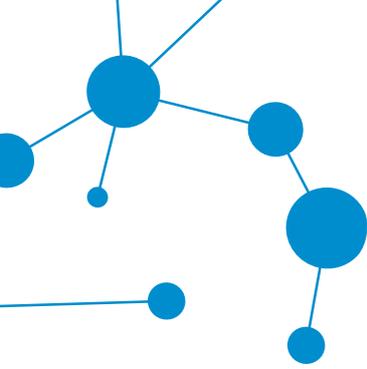
338,142
ambulatory appointments

50,314
inpatient admissions

17,984
surgeries including 28 organ transplants

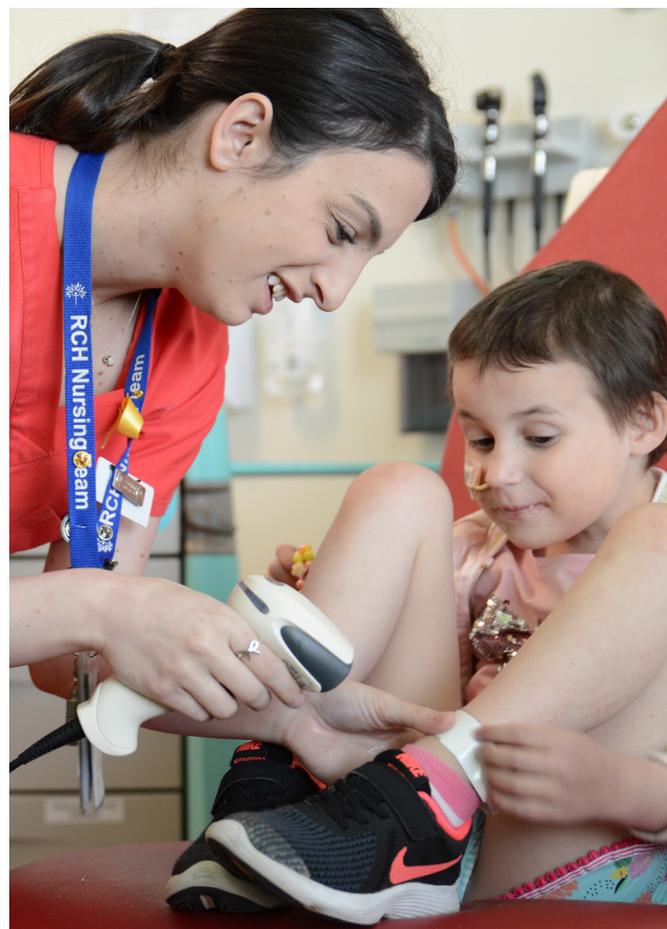
“Cochlear implants were created here at the RCH.”





In 2019 we are supporting...

- Research into the genetic basis of chemotherapy-induced heart disease
- A study in the Paediatrics central nervous system tumours at the molecular level
- An integrated clinical and research program into the genetic cause of kidney disease in children
- Lung growth and recovery in children with breathing issues to being born without a diaphragm



RCH1000 Annual Dinner

Every year the RCH1000 hosts a dinner to celebrate the research funded at the RCH and the people who make it possible, our members. 2018's dinner was the 17th for RCH1000, celebrated at the beautiful MAIA Melbourne in Docklands. It was a great success and everyone enjoyed the lively and positive atmosphere.



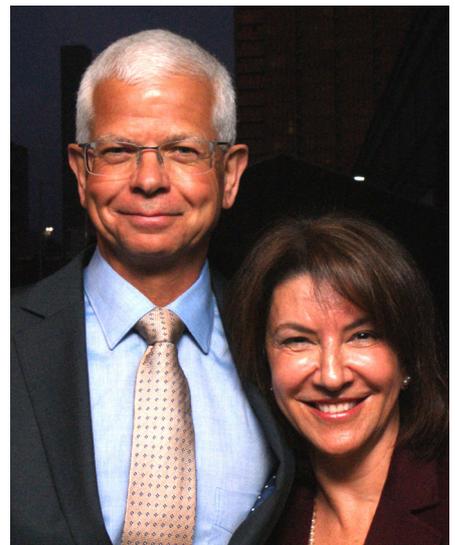
As usual Peter Hitchener OAM held the mic as Master of Ceremonies. Having one of our most esteemed and beneficent patrons take us through the evening is always a treat and reminds us that RCH1000 is a true family.

The evening's formal proceedings featured an inspiring presentation by our guest speaker Professor Paul Monagle on the HAPPI Kids projects, where he discussed the successes of the initial program and its expansion into the future as well as his appreciation for the RCH1000's continued support.

We were entertained by the talented Alma Zygiel, supported by her father on guitar and a solo flautist. The trio's skill moved us all and kept guests hanging on every note. We look forward to following Alma's career in the future.

To complete an outstanding event, 22 new members signed up. We welcome those new members to the RCH1000 family. Every time we grow we make more of a difference to the lives of some of the most vulnerable people in Victoria.

We can't wait for this year's dinner and hope to see you there for a night of fun and philanthropy.



2019 Calendar

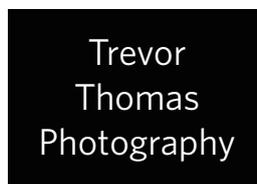
Don't miss out on this year's events. You'll get to meet fellow RCH1000 members, learn about new research being funded and engage with the hospital on a deeper level.



Event	Date	Additional comments
Annual Dinner	24 September	A dinner to celebrate the research funded at the RCH and the people who make it possible.
Partners Breakfast	19 June 7am for a 7.30 start	This is a unique opportunity for you to hear from one of our hospital's leaders, accomplished cardiologist Associate Professor Michael Cheung. Please RSVP to RSVP.Foundation@rch.org.au .
Grand Rounds	Every Wednesday	The Grand Rounds Seminar Series is the flagship educational meeting of the RCH campus. Over the course of the year, the series is expected to broaden our members understanding of child and adolescent health, and keep them up to date on the latest advancements in research.

A special thank you to all our supporters:

ATLANTIC GROUP[®]



Application for RCH1000 Membership

PERSONAL

Name _____ Address _____

Surname _____

Nominated by _____ Phone _____

Issue receipt to _____ Email _____

Donation

Membership (tax deductible) \$ _____

Total \$ _____

Payment Details

Cheque/Money order Visa AMEX Mastercard

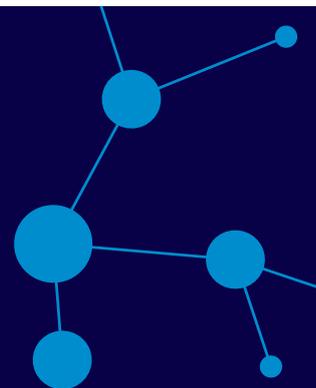
Card number _____ / _____ / _____ / _____ Expiry ____ / ____

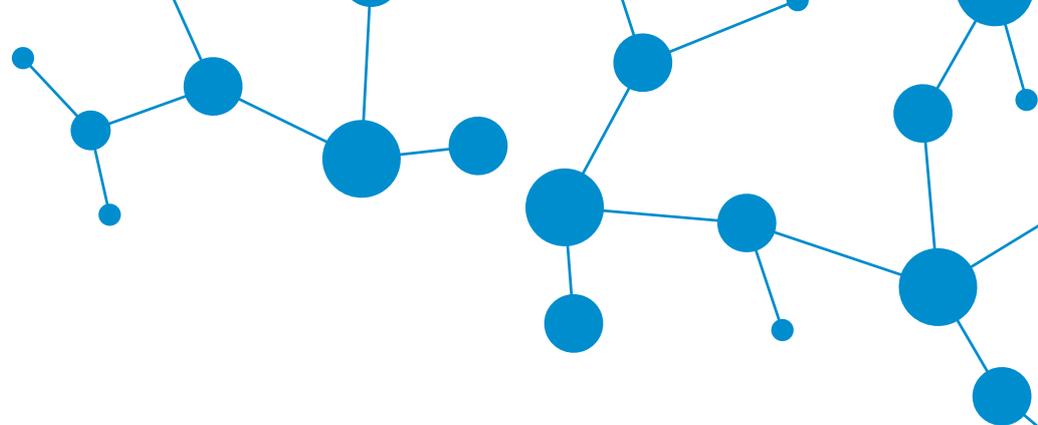
Signature _____ Date _____

GET INVOLVED

Valued members, we urge you to help us make 2019 a huge year for RCH1000. Encourage your friends, colleagues and clients to consider RCH1000 and make a difference by growing our member base.

We hope you circulate this newsletter to generate interest.





BUSINESS

Business name _____ Address _____

Website _____

Number of employees _____ Email _____

Nominee details

Name of nominee _____

Fax _____

Phone _____

Email _____

Is the Nominee a current RCH1000 member

YES

NO (if no complete personal membership form)

Donation

Membership (tax deductible) \$ _____

Advertising (if applicable) \$ _____

Total \$ _____

*75 or less employees - \$5,000
76 - 200 employees - \$10,000
200+ employees - RCH1000 will contact you to discuss

Payment Details

Cheque/Money order Visa AMEX Mastercard

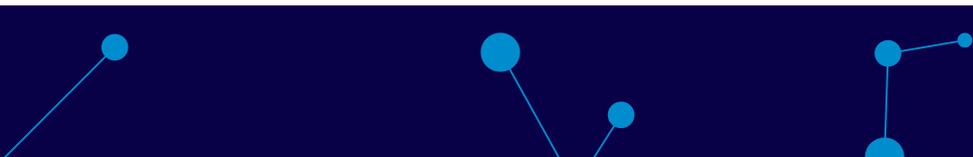
Card number _____/_____/_____/_____ Expiry ____/____

Signature _____ Date _____

Please return completed form and make cheques payable to:

The Royal Children's Hospital Foundation
Level 2, 48 Flemington Road, Parkville VIC 3052
Attn: RCH1000 membership

www.rchfoundation.org.au
ACN 007 143 142 ABN 15 007 143 142



**Thank you
for your
continued
support**

