



ANNUAL REPORT | **2013**



UNIVERSITY OF
CAMBRIDGE

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PATRONS



In 2012, Bill and Melinda Gates generously agreed to become Honorary Patrons of the Gates Cambridge Trust. The Trust is delighted to reinforce a direct link between the Gates Cambridge Scholarships and the Gates family and Foundation.

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GATES CAMBRIDGE

TRUSTEES, OFFICERS & SENIOR STAFF

The Gates Cambridge Trust brings together nine distinguished Trustees from a range of backgrounds, two of which are appointed by the Bill and Melinda Gates Foundation, and others by the University of Cambridge. The Trustees meet twice a year in order to provide strategic direction for the programme. The Officers and senior staff manage all operational aspects of the Scholarship programme and are supported by a small administrative team.

TRUSTEES



PROFESSOR SIR LESZEK BORYSIEWICZ
FRS FRCP FMedSci
Vice-Chancellor of the University of Cambridge and Chair of the Gates Cambridge Trust



DR MIMI GARDNER GATES
Former Director, Seattle Art Museum and Yale University Art Gallery



MS MARTHA CHOE
Chief Administrative Officer, Bill and Melinda Gates Foundation



LORD REES OF LUDLOW OM Kt FRS
Past President, The Royal Society and former Master, Trinity College, Cambridge



PROFESSOR MARY SUE COLEMAN
President, University of Michigan



PROFESSOR DAVID RUNCIMAN
Professor in Political Thought at Department of Political Science and International Studies, University of Cambridge and Fellow of Trinity Hall, Cambridge



DR ANDREW ROBERTSON
Director of Global Regulatory Policy, Merck & Co. and Gates Cambridge Scholar (2001)



GROUP CAPTAIN ANDREW THOMPSON MBE
Honorary Treasurer and Fellow (and Senior Bursar Emeritus) of Magdalene College, Cambridge



PROFESSOR SUSAN SMITH FBA
Mistress of Girton College and Honorary Professor of Social and Economic Geography, Cambridge

OFFICERS AND SENIOR STAFF



PROVOST: PROFESSOR BARRY EVERITT FRS FMedSci
Professor of Behavioural Neuroscience at the University of Cambridge, and former Master of Downing College, Cambridge



DIRECTOR OF FINANCE: DR DAVID LOTT ACA
Senior Member, Wolfson College, Cambridge



SECRETARY: DR JONATHAN NICHOLLS
Registry of the University of Cambridge



PROGRAMME DIRECTOR: MR JIM SMITH
Senior Member of Wolfson College, Cambridge

FOREWORD

BY THE PROVOST



Despite its relative youth, the Gates Cambridge programme is already recognised internationally as extremely successful. I am delighted to be able to build on such solid foundations and take the programme to its next level of development.

Having just completed an exciting first three months as Provost, I would like begin by thanking my predecessor, Robert Lethbridge, for his exceptional work for the Trust and, together with the dedicated and highly effective small team in the Trust's office, for making my transition to Provost so enjoyable.

I have been immediately impressed by our superb programme and our exceptional Scholars. I greatly enjoyed a very noisy Welcome Dinner (is any group noisier than a group of Gates Cambridge Scholars?), an excellent Alumni Discussion event and a symposium at which the Chancellor, Vice-Chancellor and I gave talks and answered questions. I have also been very impressed by the commitment and energy of the outgoing and incoming Gates Cambridge Scholars' Council and the Alumni Association. One of my highest priorities for the year ahead is to provide support for the Alumni Association and to facilitate its activities that aim to keep our Alumni in touch with each other and with current Scholars.

We are delighted that Mary Sue Coleman, immediate Past President of the University of Michigan, is the Foundation's nominated new Trustee who will attend the May meeting in Cambridge, together with Trustees Mimi Gates and Martha Choe. We also look forward very much to welcoming Bill Gates Sr. back to Cambridge to meet our Scholars.

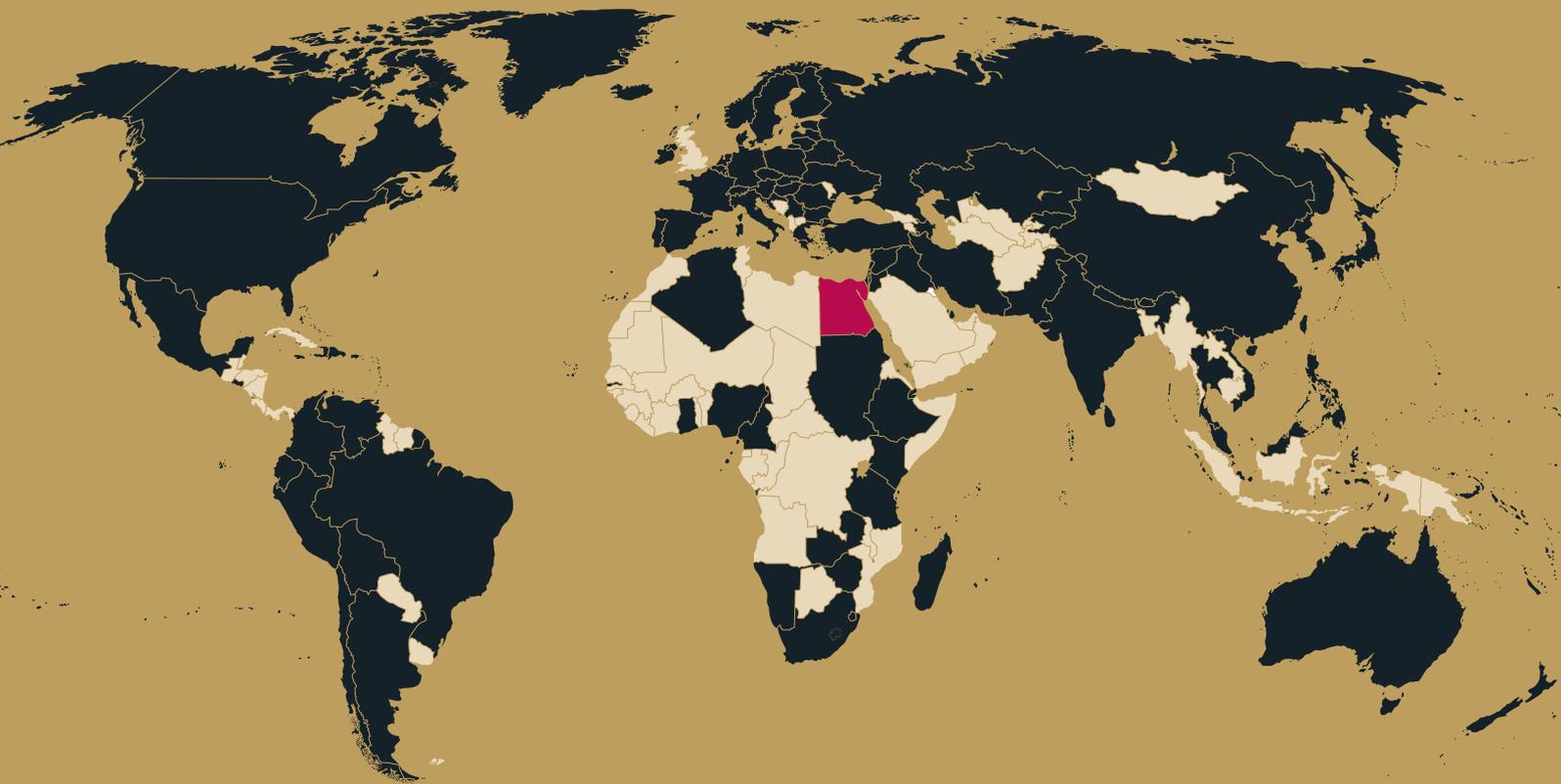
As I write, we are in the midst of the busiest and most important time of the year as we enter the interview and selection round for the class of 2014. We are continuing to refine our selection procedures to ensure that the most outstanding Scholars are selected from the large number of qualified applicants from across the world. We are actively engaging universities and their advisors around the world to promote the programme, working with Cambridge Departments who nominate candidates, and with shortlisters and interviewers who freely give their time to the Trust.

Gates Cambridge has gone from strength to strength and is clearly successful by any measure, not least the impressive quality and achievements of Scholars both during and after their time at Cambridge. The continuing financial strength of the Trust gives me confidence that we can sustain and grow the programme – we will increase the number of Scholars this year – and that our Scholars will have a major impact in the world, improving people's lives through innovation and leadership.

Professor Barry Everitt FRS
Provost

BUILDING A GLOBAL NETWORK

This year the Gates Cambridge global network has been extended to 96 countries with the selection of Maha Shash and Nouran Abdelfattah as our first two Scholars from Egypt.



EGYPT

Miss Maha Shash
PhD Sociology, Queens' College

I feel grateful to God for being one of the first two scholars from Egypt and I'm thankful to the Gates Cambridge Trust for bringing together leaders of hope, collaboration and hard work committed to improving the lives of others. These values along with having faith in the goodness in people from everywhere around the world is what I wish to transfer to my students when I return back home. I consider this a great responsibility towards Egypt, the region and the whole world hoping to apply the prophetic tradition: "The best of people are those that bring most benefit to the rest of mankind."

KEY

-  2001–2012
Countries represented
-  Countries not yet
represented
-  New countries
represented in 2013

SCHOLAR FOCUS: GREG NANCE

IMPROVING INTERNATIONAL RELATIONS THROUGH EDUCATION



Greg Nance, 2011
MPhil Management

Two Gates Cambridge Scholars – Greg Nance [2011] and Bart Szewczyk[2001] – were named in the 99 most influential foreign policy leaders under 33 by the Diplomatic Courier and Young Professionals in Foreign Policy in September.

Bart was recognised for his work in international law, but Greg's citation is not for the normal diplomatic work you might expect.

Greg sees education as the key to improving international relations and his organisation ChaseFuture.com, which he set up while he was a Gates Cambridge Scholar with fellow Scholars, aims to expand access for international students to the world's top universities.

"We connect potential applicants to admissions and careers experts, including former admissions, tutors, students and alumni, who can give them the best advice," says Greg.

He adds: "I believe we can change how countries interact through entrepreneurship. When leaders in the

US and China have been to university together they will have a better understanding of each other. My aim is to better connect these future leaders."

Greg was born in Redmond, Washington, and grew up on Bainbridge Island near Seattle. Greg says he was more interested in sport than academic studies at school and when he started doing a degree in economics and finance at the University of Chicago, he competed on the varsity track team. It was while running that he got the idea for his first NGO. He used to train by running through Chicago's deprived south side and would see people his age on street corners instead of in class. He decided to do something about it and in January 2009 with four friends he started Moneythink, a voluntary peer to peer programme teaching financial literacy. It now operates across the US with chapters in universities around the country.

I hope to create businesses which help the people they touch and benefit the wider world.

Greg still serves as Moneythink's Chairman and mentors over 30 former students. In his third year, he switched the focus on his degree to international relations which had long been an interest. As part of his degree he studied China's geographical and naval strategy and how the US can build a constructive working relationship with China and strong alliances in East Asia. Complementing his studies were lots of trips abroad. One three-week trip to China convinced him to look at ways of connecting his international

relations and education work. "I realised entrepreneurship was how to connect them so I decided to create an organisation which could build impact," he says.

The turning point came when he was at Cambridge, doing an MPhil in Management. Firstly, his masters gave him the training he needed to be a better entrepreneur and the ability to travel extensively. The Gates Cambridge Scholarship provided an international perspective and access to "incredible people" with whom he could brainstorm. Scholars Simon Breakspear and Noah Isserman, who were doing PhDs, provided many ideas which proved useful in setting up ChaseFuture.com, and Han Shao, a Chinese masters student at the Judge Business School, co-founded the organisation with Greg.

The platform offers blogs and videos full of advice, but potential applicants can also get into direct contact with mentors.

Four Gates Cambridge Scholars formed the initial team – Derron Wallace, Brianne Kent, Andrey Poletayev and Sukrit Silas – and they are still involved. The organisation launched in 2012 in China. ChaseFuture.com works with 80 admissions and careers experts and has 12 full-time employees in Shanghai, although its HQ is in Seattle.

Greg hopes that he can continue to juggle all his various interests and become a better entrepreneur. "I hope to create businesses which help the people they touch and benefit the wider world," he says.

SCHOLAR FOCUS: NOURAN ABDELFATTAH

TRANSLATING RESEARCH INTO NEW DRUGS TO TREAT CANCER



Nouran Abdelfattah, 2013
MPhil Clinical Science

Nouran Abdelfattah [2013] is passionate about translating research into drugs that can treat cancer. Her master's research in translational medicine will build on her undergraduate research on T cell Acute Lymphoblastic Leukaemia.

Children who relapse with the condition have less than a 30% chance of survival. Higher mortality rates associated with chemotherapeutic drug resistance have led to a greater need for the development of more effective compounds for the treatment of this disease. "Our research aimed to understand why a subset of cells were quiescent during chemotherapy and then remade tumours afterwards," says Nouran.

"There's a lot of misdiagnosis in cancer. If we can better identify the biomarkers of disease we can get more drugs approved for clinical treatment. My research focuses on how we can translate research into clinical application."

Nouran was born in Cairo and is one of the first two Gates Cambridge Scholars from Egypt. She lived in Cairo until she

was 13 with her four siblings. Her mother, Nouran and her two younger siblings then moved to Cambridge, Massachusetts in the US to improve the children's educational opportunities. Nouran's father, an accountant, was mainly based in Egypt for work and her mother spoke little English so Nouran acted as her translator since she had attended an international school in Egypt. Her older siblings were at university in Egypt.

Nouran says the transition to another country was hard, particularly for her mother whom she describes as her role model, but she states that in hindsight it was a good opportunity to learn about another culture.

In Egypt she had been a top swimmer and she won 50 gold medals in national competitions. In the US she continued to compete, including in state competitions, but she dedicated herself more to her academic studies as she saw the kind of opportunities education opened up to her.

When she was 15, her biology teacher at high school encouraged her to apply for a summer internship at the Broad Institute of MIT and Harvard. It gave her the opportunity to do some laboratory research and taught her about the human genome project. "It was really meaningful to me as I could see how science could link up with medicine. From doing that internship I was living and breathing science," she says.

She applied to Worcester Polytechnic Institute in nearby New England where she majored in biochemistry. The four-year course included research project work in other fields, such as social science, and in science. In her second year, she took part in a summer

internship programme at the Harvard Stem Cell Institute and she returned to the Institute for her senior thesis on tumour relapse in zebrafish models of T-cell Leukaemia. Her project involved identifying genes which accelerate tumour progression and attempting to understand the pathways to disease.

There's a lot of misdiagnosis in cancer. If we can better identify the biomarkers of disease we can get more drugs approved for clinical treatment."

It is this work that she is taking forward for her masters at Cambridge in translational medicine. "I am passionate about learning all aspects around clinical drug development and getting more drugs to patients who are relying on our discoveries," she says.

Nouran hopes eventually to return to the US for medical school and to combine research and being a doctor. Alongside her academic work, she has been volunteering as a patient escort at Massachusetts General Hospital. "I think it helped me more than the patients," she says. "The patients really open up to you. I learnt a lot about their illnesses and about compassion. I believe a patient's story by itself is an essential part of diagnosis."

SCHOLAR FOCUS: ALBERT ARHIN

EMPOWERING THE POOR IN INTERNATIONAL POLICY



Albert Arhin, 2012
PhD Geography

Policies on conservation and deforestation often fail to help the people who live in rural areas. Albert Arhin's research focuses on how to reward local communities for conservation initiatives and help them see the benefit they can give them.

For his PhD he is focusing on REDD Plus, an international climate change framework aimed at rewarding actions that Reduce Emissions from Deforestation and Forest Degradation in Developing Countries and promoting the role of conservation, sustainable management of forests and enhancement of forest carbon stocks.

His research builds on his masters at the University of Leeds where he conducted studies looking at REDD and the interface between the environment and development. He says emissions from the forestry sector account for 20% of carbon emissions. Reducing deforestation could significantly impact on climate change.

"In Ghana deforestation had increased despite long-term policies on managing forests. People have had little incentive to protect the forest as they haven't got enough benefit from it," he says.

The year before going to Leeds, Albert [2012] did his one-year national service as a university research assistant at the Bureau for Integrated Rural Development (BIRD), a university research centre. His focus was on people living around forests, how they lived and how they benefited from the forest environment. "I was interested in how policies aimed at protecting our forests had pushed these people into poverty, for instance, external companies felled the trees which damaged their crops. The policies were aimed at conserving the forest, but in practice they favoured timber merchants," he says.

People have had little incentive to protect the forest as they haven't got enough benefit from it.

Albert's role involved assessing the impact of mining activities on local people. They were being evicted from the area around the mine and were being offered lump compensation packages by the mining company. He looked at whether the mining company had a responsibility to train the people on how best they could manage the funds as well as how the distribution of its funds could take into account the local economy and the long term impact of the money.

His work experience has spanned natural resource management, health and education, but the main driver behind all of his work is to benefit disadvantaged local communities.

Albert himself grew up in a rural community. Born in southern Ghana in a village with a population of around 2,000, his parents are peasant farmers. He is the fourth of nine children and the first to go to university. He almost missed out on secondary school as his parents couldn't afford it, but a relative who was a teacher stepped in and got him a place at a senior high school – a seven kilometre walk from home – where he excelled in maths and social studies. He then won a place at Kwame University of Science and Technology through a scheme which allowed the best students from rural communities free admission.

He took a four-year degree in development planning after a one-year gap to teach in the local community. At university there was a Fanti Students Union for students from Albert's Fanti tribe. Through this Albert spent several summer vacations providing free teaching at rural schools. After university and national service, Albert won a Commonwealth Scholarship to study for a masters at Leeds University and began his research on REDD. On his return to Ghana, he took up a post at Oxfam as a research and policy manager on a programme aimed at reducing maternal mortality, but was keen to take up where his masters research left off and applied to Cambridge.

SCHOLAR ACTIVITIES

NEWS IN BRIEF

JULIA FAN LI [2008] has been appointed Director of a \$94m investment fund which will finance research and development for some of the most pressing global health challenges. The appointment is inextricably linked to her PhD at Cambridge – which looked at innovative financing for global health – and to a meeting with Bill Gates Sr. after a presentation at a Gates Cambridge internal symposium. www.ghif.com



RAJIV CHOWDHURY [2009] became the first recipient of the Bill Gates Sr. Prize in recognition of his outstanding work in public health. Presenting the Prize at the annual Gates Cambridge Graduation Dinner in May, Bill Gates Sr. singled out Rajiv's publication of 15 high-impact papers during his time at Cambridge, several of which attracted worldwide media attention, and his election as a Fellow of the Royal Society for Public Health.



MOLLY FOX [2008] spoke about her research on the impact of women's reproductive histories on their risk of Alzheimer's at the annual Cambridge in America Day Women in Science event in Silicon Valley in November. Her research linking breastfeeding to reduced Alzheimer's risk gained wide-ranging international media coverage in the summer.



The Dalai Lama was the keynote speaker at this year's Global Scholars Symposium, hosted by Gates Cambridge Scholars in April. The Symposium was founded by Gates Cambridge Scholars and brings together international scholars studying in the UK for three days of interactive talks, debates and interdisciplinary workshops with a range of high-level speakers. www.globalscholars.co.uk



Alan Bennet

VIJAY KANURU [2006] and SUSHIL SAIGAL [2006] hosted an emerging leadership summit in Delhi in September. Speakers included environment expert Dr Ashok Khosla, the Vice-Chancellor of the University of Cambridge and representatives of the British High Commission and Bill and Melinda Gates Foundation. The event generated fresh insights on global challenges, including sustainable development, environmental protection and urban infrastructure.



www.manigroove.com

STAN WANG [2011] gave a TEDxOxbridge talk in Oxford in June on his research into the creation of non-embryonic stem cells. His work, supervised by Nobel Prize Winner Sir John Gurdon, could bypass the need for stem cells from human embryos in research and therapy.



FINANCIAL SUMMARY



"In the business world, the rear-view mirror is always clearer than the windshield."

WARREN BUFFETT

The financial year 2012/13 has seen an impressive performance from the Trust's primary investment vehicle (the Cambridge University Endowment Fund) leading to a substantial increase in net assets from £173m to almost £202m during the year. This is the highest valuation of the Trust's assets to date and comes after in-year spending of £6.2m, and spending of around £76m (in real terms) over the lifetime of the Trust. Whilst a return of 20% is of course pleasing, what is even more encouraging is that the CUEF has exceeded its long term target return of 5.35% + inflation (as measured by the Retail Price Index) over the most recent five year period.

Outgoings for the Trust in 2012/13 remained at a similar level to the previous year, with over 90% of costs being Scholar related. There was also significant investment in improvements to the Gates Cambridge Common Room, and the Trust's Offices were moved into new premises which had been redesigned specifically for that purpose.

Looking forward, the Trustees have opted to increase the number of Scholarships on offer from 90 to 95 awards per year from 2014. This will mean that the in-residence population will hold steady at around 225 Scholars, and expenditure should remain at or just below that allowed by the Trust's spending rule. It has also been possible to widen the support that the Trust offers to Scholars through its Professional Development funding stream, and Trustees have agreed that the funding package will now be extended slightly to cover initial visa costs, as well as travel in and out of the UK.

Whilst the current financial position is very satisfying, high inflation in the Trust's cost base continues to be an issue, as the effects of 10% year on year rises in University fees continue to filter through the system. University fee increases are expected to be less aggressive going forward however, and hence the Trust's cost base should begin to increase at a more manageable rate.

As many developed world economies start to show some signs of growth, a number of question marks remain about how strong and sustained any recovery will be. Government debt levels remain stubbornly high in many countries, and it is not clear how markets will react once monetary policy begins to tighten. Further substantial growth in investment valuations seems unlikely without related growth in actual earnings and this has been slow to materialise.

All in all, the financial outlook remains challenging and uncertain, with opinion divided on what the future will hold. It is gratifying then, that prudent management and strong investment returns have left the Trust well placed to deal with whatever uncertainties may arise.

Dr David Lott ACA
Director of Finance

SUMMARY FINANCIAL STATEMENTS

YEAR ENDED 31 JULY 2013

Summary Statement of Financial Activity

	2013 £'000	2012 £'000
INCOMING RESOURCES		
Incoming resources from generated funds	6,770	6,673
RESOURCES EXPENDED		
Costs of generating funds	4	7
Charitable activities	6,176	6,097
Governance costs	68	57
Total resources expended	6,248	6,161
Net (outgoing) resources before other recognised gains and losses	522	512
OTHER RECOGNISED GAINS/LOSSES		
Gains/losses on investment assets	27,782	511
Net movement in funds	28,304	1,023
RECONCILIATION OF FUNDS		
Total funds brought forward at 1st August 2012	173,295	172,272
Total funds carried forward at 31 July 2013	<u>201,599</u>	<u>173,295</u>

Summary Balance Sheet

	2013 £'000	2012 £'000
FIXED ASSETS (Including Fixed Asset Investments)	196,744	168,345
CURRENT ASSETS	4,896	4,994
CURRENT LIABILITIES	(41)	(44)
NET CURRENT ASSETS	4,855	4,950
NET ASSETS	<u>201,599</u>	<u>173,295</u>
UNRESTRICTED FUNDS	<u>201,599</u>	<u>173,295</u>



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