Gates Cambridge Scholars 2005

Scholars are listed alphabetically by name within their year-group. The list includes current Scholars, although a few will start their course in January or April 2006 or later.

Several students listed here may be spending all or part of the academic year 2005-06 working away from Cambridge whilst undertaking field-work or other study as an integral part of their doctoral research. The list also retains some Scholars who will complete their PhD thesis and will be leaving Cambridge before the end of the academic year.

Some Scholars shown as working for a PhD degree will be required to complete successfully in 2006 a post-graduate certificate or Master’s degree, or similar qualification, before being allowed by the University to proceed with doctoral studies.

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It is my great pleasure as Vice Chancellor and as Chair of the Gates Cambridge Trust to welcome the fifth cohort of Gates Scholars to Cambridge.

The Trustees are delighted to have made 99 new scholarship awards to students beginning courses in Cambridge this October. The Trustees seek out students with the capacity for leadership, intellectual ability, and desire to use their knowledge to contribute to the well-being of society. Our efforts to extend the geographical reach of the programme have been rewarded this year with Scholars coming for the first time from Bhutan, Cameroon, Lebanon, Peru and Syria.

Gates Cambridge Scholars participate fully in the life of the University and its Colleges while forming also their own distinctive community. They contribute to the intellectual life of Cambridge and have a significant impact on the social and cultural activities of our graduate students. In the past academic year, Gates scholars have organized a successful series of lectures given by distinguished people from outside as well as from within Cambridge, and they have held research colloquia and informal workshops enabling graduate students to talk about their research.

The first Gates Scholars arrived in Cambridge in 2001. Since then 526 students from 72 countries have been awarded scholarships and nearly 300 have completed their studies. When they graduate, Gates Scholars join an alumni association which is part of the University’s influential international network, bringing vision and new ideas to improving the lives of citizens throughout the world and working to overcome social and economic injustice. In this way, the Scholarships bring to fruition the wider purposes of the University and of the Bill & Melinda Gates Foundation.

Alison Richard
Vice Chancellor and Chairman of the Gates Cambridge Trust
Gates Cambridge Trust: Trustees

Mr William H Gates Sr
Co-Chair of the Bill & Melinda Gates Foundation

Dr William Gerberding
Former President of the University of Washington

Baron May of Oxford
President of the Royal Society and Fellow of Merton College, Oxford

Lord Rees of Ludlow
President Elect of the Royal Society and Master of Trinity College, Cambridge

Professor Lord Broers
Vice-Chancellor Emeritus of the University, President of the Royal Academy of Engineering

Mrs Anne Lonsdale
President of New Hall, Cambridge; Deputy Vice-Chancellor, University of Cambridge

Baroness O'Neill of Bengarve
Principal of Newnham College, Cambridge; President of the British Academy

Professor Alison Richard
Vice Chancellor of the University of Cambridge and Chairman of the Gates Cambridge Trust

Gates Cambridge Trust: Officers

Dr Stephen Fleet
Formerly Master of Downing College, Cambridge (Treasurer)

Dr Anil Seal
Fellow of Trinity College, Cambridge (Director)

Mr James Smith
(Executive Officer)

Dr Gordon Johnson
President of Wolfson College and Deputy Vice-Chancellor, Cambridge (Provost)

Dr Timothy Mead
Registrary of the University and Fellow of Wolfson College, Cambridge (Secretary)
Gates Cambridge Trust:
The Scholars 2005
2001–02

Mrs Nandini Chatterjee
India

**COURSE IN CAMBRIDGE:**
PhD in History; St. Catharine’s College

**PREVIOUS UNIVERSITIES:**
University of Amsterdam, short course, 2001
Jawaharlal Nehru University, New Delhi, M.A. & M.Phil., 1997-2001
Jadavpur University, Calcutta, B.A. 1994-97

I hope that the Cambridge degree will be a stepping stone to a life of research and teaching, which might add a little to our knowledge of colonialism, class and race, and the place of religion within this context.

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2002–03

Mr Andreas Bender
Germany

**COURSE IN CAMBRIDGE:**
PhD in Chemistry; Darwin College

**PREVIOUS UNIVERSITIES:**
Goethe-University Frankfurt, Germany
Trinity College Dublin, Ireland
University of Technology Berlin, Germany

Computer-aided drug discovery is – potentially – able to shorten the development phase of new drugs and at the same time it reduces the number of animals used for experiments. Being on the borderline between computer algorithms and chemistry it is both exciting and “sensible” work to do and I am looking forward to having an enjoyable and fruitful time in the field.

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Mr Marvin Braun
Canada

**COURSE IN CAMBRIDGE:**
PhD in Zoology; Sidney Sussex

**PREVIOUS UNIVERSITIES:**
University of British Columbia: BSc, MSc

This opportunity to study at Cambridge gives me the ability to learn from some of the best instructors and students in the world. I expect my time at Cambridge to give me a head start on the path to becoming a professor in biology. As a professor, not only will I be able to continue learning but will also be able to pass on that knowledge to another generation.

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Mr Mun-Kit Choy
Malaysia

**COURSE IN CAMBRIDGE:**
PhD in Plant Sciences; Clare Hall

**PREVIOUS UNIVERSITIES:**
University of Malaya, Malaysia B.Sc., M.Med.Sc.

I have chosen Genetics and Molecular Biology as my major because I have been pursuing a career as a scientist who can elucidate the basic mechanisms of biological phenomena. I have done a cytogenetic study on Malaysian bananas and a molecular investigation on MICA, one of the HLA genes. In my PhD project, I am looking at the role of chloroplast protein synthesis in regulating the expression of nuclear genes encoding photosynthesis proteins.

**INTERESTS:**
Besides science, I am also interested in literature, history, philosophy, and culture. From these interests, I can think a lot and appreciate everything better.
Miss Kate Franko
United States

COURSE IN CAMBRIDGE:
PhD in Physiology; Wolfson College

PREVIOUS UNIVERSITIES:
Cornell University, BS Biological Sciences

My work focuses on maternal and child health, and exploring the Fetal Origins of Adult Disease hypothesis. I hope to broaden this to a career that includes reproductive health policy and rights.

INTERESTS:
Travel, drawing, gliding, rowing.

Mr Michael Gardner
South Africa

COURSE IN CAMBRIDGE:
PhD in Plant Sciences; Corpus Christi

PREVIOUS UNIVERSITIES:
University of Cape Town
University of Natal (Pmb)

My goals are to complete my PhD, and to pursue research that promotes real improvement in the lives of individuals. I am particularly keen to contribute to an understanding of plant biology so that we can develop ways of managing factors that affect human development without impacting on our environment. I hope to use my qualifications to teach and help where I can.

INTERESTS:
Mountaineering, hiking and travel – basically anything that involves nature, the outdoors and new cultures or ideas. I maintain long-term interests in history, Jungian psychology and eastern philosophy.

Mr Max Gwiazda
Germany

COURSE IN CAMBRIDGE:
PhD in History & Philosophy of Architecture; Pembroke College

PREVIOUS UNIVERSITIES:
King’s College, University of London: BA (History) (2000)

My research seeks to interpret the meaning and function of monastic architecture in relation to the culture of the High Middle Ages. I focus on the Cistercians, an order which, in many respects, stood at the cross-roads of the cultural transformations of Western Europe in the twelfth and thirteenth century. Though ultimately orientated to world-renunciation, monastic reform movements always responded to, and in turn influenced, changes occurring at the heart of medieval society. Monasticism’s creative capacity for continuous architectural re-definition mirrored this dialectical participation in a wider metabolism. On both practical and symbolic levels architecture offered ways of structuring the conditions under which the monastery could interact meaningfully with the world from which it was withdrawing. My historical investigations aim to reveal dimensions of architecture, which might provoke general re- considerations of the role of architecture and representation in culture.

INTERESTS
Urbanism, basketball and film.

Mr Richard Payne
New Zealand

COURSE IN CAMBRIDGE:
PhDpg in Chemistry; Downing College

PREVIOUS UNIVERSITIES:
University of Canterbury: BSc (Chemistry) (2001)

My dream is to use the knowledge gained from my PhD at Cambridge University, to design and synthesise pharmaceuticals. I am interested in this field of science, as the research is rewarded by the knowledge that you have the ability to improve the lives of others. I am especially interested in the synthesis of drugs to aid in the treatment of cancer, HIV and neurological disorders.

INTERESTS:
Sports. In New Zealand I captain my club team, and have represented my province (Canterbury) at junior levels. I also play competitive tennis and cricket and am involved in a number of other sporting and community activities.
2002–03

Mr Moncef Tanfour
Algeria

**COURSE IN CAMBRIDGE:**
PhD in Engineering; St John’s

**PREVIOUS UNIVERSITIES:**
Imperial College London (United Kingdom)
UNITECH International Society (Switzerland)
Delft University of Technology (Netherlands)

The Gates Cambridge Scholarship enables me to conduct my PhD in an internationally-renowned academic institution at the forefront of research and teaching. I am equally thrilled to be part of a vibrant collegiate community. My ultimate goal is to contribute to the improvement of knowledge transfer and technology management in the developing world. I am certain that my stay in Cambridge will enhance my chances to fulfill this ambition.

**INTERESTS:**
Socialising, sports, cinema, languages and non-profit work.

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Mr Rochana Wickramasinghe
Australia

**COURSE IN CAMBRIDGE:**
PhD in Oncology; Trinity College

**PREVIOUS UNIVERSITIES:**
University of Melbourne, Australia

My PhD is focussed on developing new tools to study the biology of proteins integral to cancer metastasis. More specifically, I am using peptide aptamers that bind to the matrix metalloproteinase MT1-MMP, that is over-expressed in many cancers, to try to discover novel functions of MT1-MMP. I am also interested in other aspects of science, namely science journalism, and in using the skills I have acquired during my PhD in other disciplines.

**INTERESTS:**
Tennis.

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Mr Wale Adebanwi
Nigeria

**COURSE IN CAMBRIDGE:**
PhDMP in Social Anthropology; Trinity Hall

**PREVIOUS UNIVERSITIES:**
University of Lagos, Nigeria
University of Ibadan, Nigeria

My principal future goal is to contribute to the transformation of my society, my continent and the world. I intend to set up a centre for political and cultural communication in my country where research will be conducted on the transformative potentials of politics, culture and communications on the African continent. I also plan to use my intellectual resources in working with progressive forces anywhere in the world to make the world safer, better and more liveable.

**INTERESTS:**
Football, Poetry and Movies.

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Dr P M Athauda-Arachchi
Sri Lanka

**COURSE IN CAMBRIDGE:**
PhD in Brain Repair; Selwyn College

**PREVIOUS UNIVERSITIES:**
University of Peradeniya, Sri Lanka: MBBS (Bachelor of Medicine and Bachelor of Surgery)

My dream is to become both a pioneering scientist and an able neurologist, seeking to open new avenues to treat neurological debilities hitherto being impossible to tackle. The scientists at the Brain Repair Centre in Cambridge have opened up new hopes for regeneration and repair of neurons that make up the brain and spinal cord, with their discoveries on the multi-potent stem cells. I will be greatly privileged to be part of this team of scientists. The Gates Scholarship has given me new strength, along with that of my family, friends and teachers, to go forward to broaden the horizons of new knowledge, for the benefit of millions of people worldwide who suffer with neuronal loss and debility. I am confident and committed to make that dream a reality.

**INTERESTS:**
Reading – Academic and non academic (science fiction), athletics – track and field sports. Dancing and music, astronomy and extra terrestrial life forms/intelligence. Quiz programmes!
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<tr>
<td>Ms Elizabeth Beiswenger</td>
<td>United States</td>
<td>PhD in Polar Studies; Jesus College</td>
<td>Vassar College</td>
<td>Russian Literature, travel, downhill skiing.</td>
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<td>I have a special fondness for Arctic Russia, and I plan to find employment in sustainable resource development following graduation from Cambridge. I would like to focus on oil and gas development, which is rapidly expanding in Arctic Russia. One of the things that I hope to work on is the protection of the native populations near and around this development. I think that it is essential that the indigenous populations participate in and gain from the development of natural resources in their regions. Being a Gates Scholar gives me the freedom to pursue my studies without having to worry about the financial difficulties to graduate school. The Gates Foundation’s focus on addressing global problems by improving people’s lives fits perfectly with my future career goals.</td>
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<tr>
<td>Mr Mihai Brezeanu</td>
<td>Romania</td>
<td>PhD in Engineering; Churchill College</td>
<td>Politehnica Univ. in Bucharest, Romania</td>
<td>Sports, theatre, cinema, chatting, playing cards.</td>
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<td>I would like to become a good researcher and teacher in the field of microelectronics. The Gates Cambridge Scholarship gives the opportunity to study in one of the most prestigious Universities in the world and to learn things from some of the most outstanding specialists in this field. I’m planning to learn as much as possible about proven devices of silicon carbide, the subject of my PhD programme. I hope to use this information in my future career. I’m also very anxious to find out how a research laboratory is organised because one of my goals is to start a laboratory in my native country, Romania. I look forward to meeting new people and making new friends from all over the world. Being a Gates Scholar will give me the opportunity to meet other Gates Scholars and this will enlighten the accomplishment of my dream.</td>
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<tr>
<td>Mr Rongjun Chen</td>
<td>China</td>
<td>PhD in Chemical Engineering; Clare Hall</td>
<td>Tsinghua University, Beijing Beijing Technology and Business University</td>
<td>Music, travel, swimming, roller-skating, table tennis.</td>
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<td>I have made a deliberate decision to further my study in the field of Chemical Engineering, focusing my research on the interdisciplinary combination of polymer and biotechnology. This is an active frontier in research. The advanced knowledge and skills I will bring back from the Department of Chemical Engineering in the University of Cambridge (a world famous University) will be relevant to the needs of the development of my homeland. My long cherished dream is to find a research position in a university or R &amp; D lab of China to do something beneficial in the field of Chemical Engineering.</td>
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<td>My research concerns international law and the use of force. This is a branch of law where regulatory efforts often collide with the demands of realpolitik. Decisions to undertake military action generate complex debates about the relative importance of peace, security, human rights, and national sovereignty (by no means an exhaustive list!). Although there is general agreement on the law’s core content, the scope of certain rules and the extent to which they are ‘evolving’ remain controversial topics. The award of a Gates Scholarship to pursue further studies at Cambridge has enabled me to work under the supervision of a world-renowned expert on this subject, for which I am most grateful. On completion of the PhD, I would like to work as a researcher for one of the NGOs active in this area, or perhaps teach.</td>
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<td><strong>Mr Aidan Craig</strong></td>
<td><strong>COURSE IN CAMBRIDGE:</strong> PhD in Physics; Homerton College</td>
<td><strong>INTERESTS:</strong> Hiking, biking, camping, and otherwise getting grubby outdoors, literature, cooking, popular music, philosophy, kendo, handkido, and kenpo karate.</td>
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<tr>
<td><strong>United States</strong></td>
<td><strong>PREVIOUS UNIVERSITIES:</strong> UC Berkeley: BA (Physics)</td>
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Science has always been my calling; even my second-grade stories are filled with spaceships to the moon and giant microscopes. As such, I hope to make scientific research into a career, and enter academics as a tenured professor of physics.

| **Ms Sarah Dry**  | **COURSE IN CAMBRIDGE:** PhD in History of Science; St. John’s College | **INTERESTS:** Bicycling cooking travel reading.  |
| **United States**  | **PREVIOUS UNIVERSITIES:** Imperial College, London  |
|  | Harvard University |  |

My dissertation is on safety and scientific expertise in mid-Victorian Britain, with a focus on railway accidents, shipwrecks and the weather. I plan to put my doctoral training to use as a writer of popular science books.

| **Mr Friedel Eppe**  | **COURSE IN CAMBRIDGE:** PhD in Theoretical Physics; Clare Hall | **INTERESTS:** Cycling, hiking, travel, films and literature.  |
| **Germany**  | **PREVIOUS UNIVERSITIES:** Humboldt University Berlin  |
|  | Heidelberg University |  |
|  | Cambridge University |  |

I plan towards an academic career in theoretical physics. Cambridge is a great place to learn and live in and I am looking forward to coming here once again. The Gates Scholarship makes it possible for me to study in this inspiring environment and it will provide me with many interesting contacts.

| **Miss Michelle Gentile**  | **COURSE IN CAMBRIDGE:** PhD in Oncology; Trinity College | **INTERESTS:** Running, flying, mentoring, drawing, travel, reading Victorian, Caribbean, and multi-ethnic literature, writing.  |
| **United States**  | **PREVIOUS UNIVERSITIES:** University of Illinois, Chicago: BA (Biology, English) |  |

I am intrigued by the complex genetic mutations that lead to the evolutions of cancers. I desire to not only contribute to and understanding of these mutational pathways, but to use this understanding to develop targeted therapies individualized to fit a precise genetic profile of cancer. During my time spent at Cambridge, I hope to use modern molecular biology techniques to participate in the molecular staging of colon cancer, and I hope to establish the ideal foundation for my future role as researcher, medical practitioner, and academic, pursuing public consciousness of the cancer problem.
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<td>Miss Vanessa Elisa Grotti</td>
<td>Italy</td>
<td>PhD in Social Anthropology, Trinity College</td>
<td>Cambridge (MPhil) Oxford University Paris 1</td>
<td>Through my PhD research project, I wish to analyze in Cambridge and in the field how nutrition and health “Development” projects are implemented in relatively isolated tropical communities and how “outsiders” (e.g. governmental authorities, NGOs, missionaries) and “local” (e.g. Native Amazonians) cultural views on health may or may not be reconciled. I hope that my research will contribute to improving cultural sensitivity in development as well as to debate in social anthropology and would like to work on more applied projects after graduation.</td>
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<tr>
<td>Miss Anne Holden</td>
<td>United States</td>
<td>PhD in Biological Anth, Peterhouse</td>
<td>University of Missouri – Columbia: BA (Anthropology) (2003)</td>
<td>After completing my PhD, I hope to acquire a teaching position in a university setting. It is my plan that with a teaching position, I can introduce more students to this discipline so that they might understand the place of humans within the scheme of macro-evolution. I plan to become a mentor, shaping students’ future aspirations as my mentors have done for me. In addition, I plan to continue work in Cambridge regarding human evolution and diversity within the last 100,000 years. I hope to find a bridge between the fields of molecular and anatomical evolution, eventually creating an international study on worldwide dispersal of our species, homo sapiens. These two professional undertakings will be accomplished by the unceasing support of my supervisors and colleagues in the Department of Anthropology at Cambridge, as well as the financial and community support of the Gates Cambridge Trust and my fellow Gates Scholars.</td>
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<tr>
<td>Ms Katja Jantos</td>
<td>Germany</td>
<td>PhD in Chemistry, Fitzwilliam College</td>
<td>University of Marburg, Germany: Diploma in Chemistry</td>
<td>My PhD project is concerned with cancer research and anti-cancer drug discovery which is a very important area of modern chemistry. After my PhD in Cambridge, I would like to continue my career in that area. Therefore, I would like a position at a university or another scientific research institute. The Gates Scholarship makes it possible for me to study and research at the University of Cambridge, which is considered to be one of the best universities worldwide. Since the Gates Cambridge Trust supports students from all over the world, I hope to meet students from other countries and would like to exchange opinions with them.</td>
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<td>Mr Paul Goulart</td>
<td>United States</td>
<td>PhD in Engineering, Churchill College</td>
<td>MIT</td>
<td>My research interests are in robust control of constrained systems, with applications in aerospace, economics, and networked systems.</td>
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<tr>
<td>Mr Joel P. Jennings</td>
<td>United States</td>
<td>PhD in Geography; Wolfson College</td>
<td>San Diego State M.A., B.A. (hons) in Geography</td>
<td>Immigration and trans-national processes challenge traditional thinking about personal identity, work, and cultural belonging. My goal is to develop a deeper critical understanding of changing immigration flows between Latin America and the United States. I am particularly interested in the ways that citizenship and transnational practices change at various geographic scales (i.e. household, regional, national). INTERESTS: I enjoy international travel, classical music, and reading both political history and modernist fiction. I also play football at Wolfson College, have a long history with the game of volleyball and enjoy ocean sports including scuba diving, sailing and body surfing.</td>
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<td>Mr Benedikt Mandl</td>
<td>Austria</td>
<td>PhD in Zoology; King’s College</td>
<td>Salzburg University (Austria) Bowling Green State University (US)</td>
<td>The core unit of the cellular network that allows a fruitfly to move consists of an anchored muscle and a neuron controlling its contraction. This beautifully simple unit is repeated and arranged into a complex pattern. My research aims to study the mechanisms that underlie the evolution and diversification of this network to achieve a better understanding of neuromuscular development. In addition to my research, I am interested in the public perception of science and in science communication. INTERESTS: Photography, illustration, and webdesign; media and science communication; I enjoy art, history, literature and cooking; travelling.</td>
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<tr>
<td>Mrs Aditi Mukherji</td>
<td>India</td>
<td>PhD in Geography; Fitzwilliam College</td>
<td>Presidency College: BSc Hons Jawaharlal Nehru University, New Delhi: MA Indian Institute of Bombay: MPhil (Geography)</td>
<td>After completion of my doctoral studies, I plan to work as a researcher in the field of water resource management in a developing country like mine. I believe the way we manage our water and land resources today will be an enduring gauge of our own ability to foster sustainable development in the future. Thus, doing meaningful research on frontline issues in water and land management is of supreme importance. Equally important is translating those research outputs into actionable policy recommendations. I believe that my doctoral work in Geography – a subject located at the interface of physical and social sciences will train one adequately to this end. Without the privilege of being a Gates Scholar, I could not have been able to take up any place at Cambridge. I believe that as a Gates Scholar and a Cambridge graduate, I shall be better able to contribute to the development discourse in my country and elsewhere. INTERESTS: I am an avid reader of all kinds of fiction and non-fiction. I love swimming and playing badminton. I also fancy myself as a short story writer, though so far, I haven’t quite written anything to qualify as a short story! But I still try.</td>
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<tr>
<td>Ms Emily Murphy</td>
<td>United States</td>
<td>PhD in Experimental Psychology; Trinity College</td>
<td>Harvard University AB Magna cum laude with highest honors, June 2003 Psychology/Mind, Brain, Behavior</td>
<td>My research is in the interdisciplinary field of neuropsychopharmacology. Broadly speaking, I study relationships between higher cognitive functions and their anatomical, pharmacological, and molecular correlates. My work specifically investigates glutamate receptor subtype interactions in models of disrupted cognition similar to that seen in schizophrenia. My secondary interest lies in the growing field of neuroethics: the impact of neuroscience on social, legal, medical and ethical issues. INTERESTS: Cooking, hiking, travel, rock climbing, rowing, dancing, wine and food, literature and writing.</td>
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Mr Shishir Nagaraja
India

COURSE IN CAMBRIDGE:
PhD in Computer Security; St. John's College

PREVIOUS UNIVERSITIES:
Bangalore University - PES Institute of Technology

As we rapidly computerise critical sectors, from power grids and dams to pharmaceutical industries and automobiles, the associated risks, such as malicious insiders and Internet connectivity to these systems, must be understood and managed. My research efforts would be directed at building a resilient information infrastructure that can support the basic needs of the modern information society. After completing PhD in Computer Security at Cambridge, I intend to continue in academic research while providing crucial direction to software development activities in the Indian subcontinent. Working in India, it would be my endeavour to enable a greater amount of interaction between the software practitioners and researchers in the industry here and the security research community in Europe. Being a Gates Scholar has enabled me to join Cambridge Security Group, which is undoubtedly the best lab in the world for practical security research.

INTERESTS:
Photography, Volcanoes, Canines, politics, criminology, sociology, social movements. Sports – I play Tennis, do resistance training, and run medium distance once a week. I play the sitar, and learn hindustani music.

Mr Ramanan Navaratnam
Sri Lanka

COURSE IN CAMBRIDGE:
PhD in Engineering; Trinity College

PREVIOUS UNIVERSITIES:
University of Oxford

The area of my research is ‘Computer Vision’ – a field that is expected to expand and make great strides in near future. This has many useful applications in a variety of fields such as security and surveillance, animation for movies and games and medical imaging. Being at a leading university like Cambridge, that is at the forefront in research in my chosen field, will not only help me to expand my knowledge but also to meet and develop contacts with like minded people.

INTERESTS:
I’m a keen sportsman. I’ve participated in badminton, football (soccer), cricket and athletics at various levels. Also I’m a martial arts exponent. Currently I’m concentrating on improving my skills in pole-vaulting. My favourite leisure activity is ice-skating.

Miss Lien Nguyen
Vietnam

COURSE IN CAMBRIDGE:
PhD in Chemical Engineering/Physics; Fitzwilliam College

PREVIOUS UNIVERSITIES:
BEng (Chem.), University of Adelaide, Australia, 2003

I wish to become a research engineer in industry working at the interface of sciences and engineering. I also desire to be a lecturer at a later stage of my career to pass on what I have learnt to future engineers.

INTERESTS:
Taekwondo, French language, Vietnamese poetry.

Mr Shiladitya Paul
India

COURSE IN CAMBRIDGE:
PhD in Materials Science & Metallurgy; St Edmund's College

PREVIOUS UNIVERSITIES:
Indian Institute of Technology Kanpur, India
University of Calcutta, India

My objective is to enter scientific research obtaining a doctorate in the field of materials processing within 3 years of graduation. I would like to work in this extremely challenging field and carve out a niche for myself in the research community. It is my proud privilege to be able to be a Gates Scholar and I believe that the varied interests of the past and present scholars will provide a dynamic and exciting atmosphere, where I hope there will be scope for fertile exchange of ideas. I have a lot to gain from the Gates Cambridge Trust and hope that the trust will support my cause both financially and moral to prove my academic and research potential in my chosen field. This aiding my development, not only as a scholar but also as a human being.

INTERESTS:
Rabindrasangeet, Rai; Salsa dancing, Bachata, Ballroom & Latin; Cricket, Volleyball, Football, Badminton, Pool, Swimming; Painting, origami, Short poems.
**Miss D S Pino Pasternak**  
**Chile**

**COURSE IN CAMBRIDGE:**  
PhD in Education; Darwin College

**PREVIOUS UNIVERSITIES:**  
Universidad Metropolitana de Ciencias de la Educacion: BA (Especial Education);  
Universidad de Chile: One-year certificate (Biology of Cognition);  
Universidad Diego Portales: One-year certificate (Cognitive Development)

My nearest future goal is to successfully complete my doctoral studies in Education. In the following years, I will develop a reflective programme oriented to enhance the level of awareness that parents have in relation to the strategies they use to foster learning abilities in their children. I will design and put in practice this programme in families whose children have learning difficulties. I strongly believe that this project can have relevant implications in my home country, where parental involvement in educational environments has only been partially explored. Having completed this first goal, I would like to return to Chile and to obtain a lectureship position which would enable me to have an impact in undergraduate student-teachers, but also to continuing developing research projects participating in government or community consultation groups. I would also like to work with other professionals in the creation of inclusive educational environments, giving to all children equal access to educational provision.

**INTERESTS:**
I really enjoy dancing and listening to different kinds of music. I like Latin American writers. My favourites are Mario Vargas Llosa, Marcela Serrano, Horacio Quiroga and Angeles Mastreta. I love Mexican, French and Spanish cinema. Singing and cooking are among my favourite activities too.

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**Mr Alexander Plekhanov**  
**Russia**

**COURSE IN CAMBRIDGE:**  
PhD in Economics; Gonville & Caius College

**PREVIOUS UNIVERSITIES:**  
University of Cambridge, MPhil, 2002–2003  
St.Petersburg State University, Diplom, 1997–2002.

In the short term perspective, I would like to accomplish my PhD research at the University of Cambridge. Perhaps there is no problem more important for a successful development of Russian economy than that of fiscal federalism – that is why I chose it as a subject of my PhD research. In the mid term perspective, I would like to gain valuable experience working for an international company in Russia. Combining sound theoretical and practical backgrounds, I hope to reach the highest level of expertise in the relevant area and to consult Russian government and the Russian central bank on matters of economic policy. The PhD course at Cambridge University, which a Gates Scholarship opened to me, will also enrich the range of analysis techniques I possess, deepen the understanding of economic processes and widen the range of all acquaintances which will be undoubtedly valuable in the future.

**INTERESTS:**
Swimming in the mornings (it gives a day a fresh start and brings a boost of energy), tennis, basketball, foreign languages (English, French, Spanish, German) and besides I collect donkeys.

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**Mr John Prendergast**  
**Ireland**

**COURSE IN CAMBRIDGE:**  
PhD Aeroelasticity; Wolfson College

**PREVIOUS UNIVERSITIES:**  
University College Dublin, Ireland: BE

My research studies the action of wind flow on flexible structures. When such structures can deflect in response to wind forces, the flow around them is modified, altering the force and creating an interaction effect. As modern structures such as bridges and towers become increasingly slender and flexible it is important to be able to accurately model this effect in order to be able to predict the extent of structural movement or any instability that may occur. I am tremendously grateful to the Gates Trust for giving me the opportunity to carry out this research in Cambridge.

**INTERESTS:**
Sports, anything outdoors, music, dessert.
2003–04

Miss Mahnaz Rezaeian
Iran

COURSE IN CAMBRIDGE:
PhD in Geology; Churchill College

PREVIOUS UNIVERSITIES:
Shahid Beheshti University, Tehran, Iran.

An exceptional turning point in my career came when I was chosen by Gates Thrust as a researcher student in Cambridge in 2003. Actually, my dream to study the best liked topic, work with one of the most qualified people in my field of study and follow my scientific ambition came to true! Having spent two years in Cambridge was a valuable experience and great opportunity for me that brought me more responsibilities and new horizons in my life.

Mr Robert Clay Rivers
United States

COURSE IN CAMBRIDGE:
PhDpg in Chemistry; Clare College

PREVIOUS UNIVERSITIES:
Kentucky State University

I aspire to teach and mentor college students at historically black colleges and universities to pursue careers in scientific research. As a Gates Scholar, I hope to learn all that I can through daily interactions with a diverse group of highly motivated individuals. These interactions with students will help me greatly in the classroom and in the laboratory, and allow me to help more effectively.

Miss Ana Rossi
Argentina

COURSE IN CAMBRIDGE:
PhDPg in Pharmacology; Wolfson College

PREVIOUS UNIVERSITIES:
Students from Argentina who wish to study abroad have few sources of funding for which they can apply to so the Gates Scholarship represents an excellent opportunity for me to study in the UK, particularly at Cambridge University, a centre for scientific and academic excellence. After completing my PhD I would like to continue my training through postdoctoral positions in the same field and in the long term I aim to get a professorship and direct my own research projects back in Argentina.

Mr Jost Schatzmann
Germany

COURSE IN CAMBRIDGE:
PhD in Engineering; Darwin College

PREVIOUS UNIVERSITIES:
Imperial College London
Cambridge University

My PhD is on statistical approaches to spoken dialogue systems. I look forward to learning from some of the best people in my area of research and working among students from all parts of the world.
2003–04

Mr J P Smit  
South Africa

COURSE IN CAMBRIDGE:  
PhD in Philosophy; Darwin College

PREVIOUS UNIVERSITIES:  
University of Stellenbosch: BA (Law), BA Hons (Philosophy) Cum Laude, D. Phil (to be awarded December 2003)

My main future goal is to do interesting research in philosophy. The Gates Scholarship gives me the opportunity to do research at a top university, without the distractions that normally come with being a lecturing academic philosopher. I also want to write serious fiction, and the experience of living abroad for a few years won't hurt. Studying at Cambridge is of course, also an opportunity to meet some intelligent and interesting people.

INTERESTS:  
Golf (for handicap), writing fiction, loud music, reading (fiction and biographies).

Mr Asbjorn Steglich-Petersen  
Denmark

COURSE IN CAMBRIDGE:  
PhD in Philosophy; Darwin College

PREVIOUS UNIVERSITIES:  
University of Aarhus, Denmark  
UC Berkeley, USA

My primary professional goal is to become able to work as a teacher and researcher on the philosophical and conceptual problems facing the attempt to give an account of the conscious mind. Studying for my PhD at Cambridge will be an important step in accomplishing this; a step that would not be possible without support from the Gates Cambridge Trust. Not less importantly in becoming a part of the Gates Scholars community – comprised of talented people from many different countries and fields of research. I hope to be able to broaden my experience both socially and scholarly.

INTERESTS:  
Mountaineering, rock climbing, hill walking, cooking (part-time chef).

Ms Su-Yin Tan  
Canada

COURSE IN CAMBRIDGE:  
PhD in Geography; Wolfson College

PREVIOUS UNIVERSITIES:  
Boston University (USA), MA  
University of Guelph (Canada), BSc

My ultimate career goal is to become a leading researcher in the development and use of geographic information technologies, as applied to the environmental and social sciences. Having spent my childhood in Papua New Guinea, I have always been fascinated with nature and my unique life experiences have strongly connected me to social needs. I believe that environmental problems are highly complex and require a multidisciplinary approach to solve them. By pursuing my proposed studies at the University of Cambridge, I hope to gain the technical expertise and practical experience needed to specialize in the application of such technologies in a socioeconomic and public health context. Following my PhD studies, I hope to continue in academia and to teach students, while participating in consultancy work in developing countries.

By pursuing these interests, I hope to make a valuable contribution to the related areas of environmental health, international development, and sustainable development.

INTERESTS:  
I have grown increasingly aware of the diversity of environmental and social issues while participating as an active member in numerous international student clubs. My interests include travelling, environmental activism, creative writing, playing the piano, listening to music, and being involved in community volunteer activities.
Ms Mamta Thangaraj
India

COURSE IN CAMBRIDGE:
PhD in Semiconductor Physics; Wolfson College

PREVIOUS UNIVERSITIES:
Manonmaniam University – India

Being an inquisitive and probing child, I’ve found a soul mate in Science which answers to a great extent all my ‘whys’ ‘hows’ and ‘whens’, while still leaving a few mysteries for me to fathom. I know not what my tomorrow holds. All I am sure of is that I will always try to be true to my heart. I would also want to share my life’s experiences for it would be criminal to let it gather dust when it could benefit others, be it through teaching or research. As an active person, bubbling with enthusiasm, I cannot bear to be idle and so I throw myself into one activity after another. I revel being with people and having stimulating discussions and also enjoy travelling, trekking, charcoal drawing, photography and cooking sessions with friends. Being an ardent nature lover, walks and rowing in the early morning on the river Cam have become tradition. Reading is my passion...books have always and still continue to be my trusted and sustaining friends. The sheer wealth of knowledge never ceases to astound me. But, that doesn’t stop me from being a serious movie buff! If I had one grouse, it would be the short span of human life. “I am part of all that I have met; Yet all experience is an arch wherethrough Gleams that untravelled world, whose margin fades For ever and for ever when I move..................Life piled on life Were all to little”. I always want to explore and experience new things. I try to learn something new every day, however trivial it may be. This unquenchable thirst to learn and better myself has had me doing things like rowing, salsa, ball room dancing, learning a new language, toying with origami, trying out my vocal chords for the choir...the list seems endless. So I’ve promised myself that I’d be a Jack of all trade but master of none which seems to contradict the fact that I am a stickler for perfection and expect high standards from myself. This only goes to say, that I have to do a kind of balancing act. Life is a beautiful compromise...

Ms Anke Timmermann
Germany

COURSE IN CAMBRIDGE:
PhD in History & Philosophy of Science; Robinson College

PREVIOUS UNIVERSITIES:
University of Glasgow
University of Heidelberg
Trinity College Dublin

I hope to pursue a research career following my doctoral work, in order both to disseminate my research to an academic audience and to promote wider understanding of my subject. My research focuses on the conceptualisation and communication of medieval alchemical ideas through the medium of alchemical poetry. As I am working from an interdisciplinary and multilingual background, I hope to organise related research projects and international conferences, possibly in collaboration with universities as well as relevant academic bodies such as Wellcome and Max Planck Institutes. As a Gates Scholar, I will get the support to realise my goals in and environment which is exceptionally well suited to these purposes. I am excited to become part of a community of scholars united by the desire to make ground-breaking contributions to their disciplines and beyond.

INTERESTS:
Tap dance (esp. choreography), music (jazz, funk, baroque), reading, creative writing, good food and wine, swimming, theatre and cinema.

Ms Deepti Trivedi
India

COURSE IN CAMBRIDGE:
PhD in Molecular Genetics; Churchill College

PREVIOUS UNIVERSITIES:
Delhi University: BSc (Biochemistry)
NCBS: MSC (Life Sciences)

I am a student of life sciences and have a strong desire to understand the natural processes. I am interested in fundamental neuroscience, specifically in understanding the intracellular signaling at basic level, leading to complex peripherial and higher level processing. I want to pursue fundamental research and education as a career. Basic research at University of Cambridge would help me learn and put together my efforts to start on an independent research group in India. I am extremely thankful to the Gates Cambridge Scholarship which has made the first step towards achieving my goal possible.

INTERESTS:
I am interested in reading, writing, painting and listening to Indian Classical music.
**Miss Nicole van der Laak**  
New Zealand

**COURSE IN CAMBRIDGE:**  
PhD in Materials Science; Clare Hall

**PREVIOUS UNIVERSITIES:**  
University of Auckland

One of the main reasons for wanting to continue my education at a doctorate level, is that I would like to be involved in research as a career. I am interested in the development and applications of new technologies and advanced materials, that can be used in society. In the future I would like to have links with, or be directly involved with businesses and industry to help develop new materials for production. I am also interested in academic teaching, and hence another of my aspirations is to become a lecturer and researcher within a university environment. I am interested in effective science communication, both at an academic and community level. I believe that being a Gates Scholar will give me opportunities to network with other scientist, and build my skills so that I can pursue both research and science teaching and communication in the future.

**INTERESTS:**  
My interests include public speaking where I am involved with regular meetings with Inex Seminars and the Royal Society Communicators Programme. I enjoy playing social sports such as soccer and love going to the beach. I play the piano and belong to ‘Encounter Christian Center’, where I am involved with the Young Adults.

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**Miss Julia Wolf**  
Germany

**COURSE IN CAMBRIDGE:**  
PhD in Mathematics; Clare College

**PREVIOUS UNIVERSITIES:**  
University of Cambridge

Having been awarded a Gates Scholarship, I will be able to continue my studies at Cambridge through to PhD level, which will hopefully be a first step towards an academic career in mathematics. At the same time, I also have a strong interest in international politics and development work, and consider this a challenge equally worth pursuing.

**INTERESTS:**  
Music (violin) and foreign languages.

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**Ms Tatyana Yakovleva**  
United States

**COURSE IN CAMBRIDGE:**  
PhD in Biochemistry; Churchill College

**PREVIOUS UNIVERSITIES:**  
Boston College

**INTERESTS:**  
Singing, theatre and all things Russian.

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**Ms Zhongqiang Yang**  
China

**COURSE IN CAMBRIDGE:**  
PhD in Chemistry; Gonville & Caius College

**PREVIOUS UNIVERSITIES:**  
Heilongjiang University: BE  
Jilin University, China: MSc

My future goal is to become a chemistry scientist, like Marie Curie. In Cambridge, I can work at the frontiers of the subject, experiencing different cultures and communicating with outstanding people from all over the world. After I get my PhD in Cambridge, I will engage in scientific research that benefits the development of the chemical field and improvement of all nations. I consider the whole world to be like a work of art that has been refined by many people before and will be consumated after. Compared with this eternal nature, my life is transient. But I hope I could make this world more perfect in my own way and what I do will be a necessary part for this work of art. I am thankful that Gates Cambridge Trust provides me with financial support and helps me make this dream come true!

**INTERESTS:**  
Poetry, guitar, music, movie, aerobics.
Ms Margaret Young
Australia

COURSE IN CAMBRIDGE:
PhD in Law; King’s College

PREVIOUS UNIVERSITIES:
University of Cambridge – LLM 2003
University of Melbourne – BA/LLB 1999
University of Amsterdam – exchange 1998
Univeristas Sanata Dharma, Indonesia-exchange 1996

My studies examine the conflict between international trade and environmental laws regulating the use of global resources such as fisheries. My research draws on professional experience with country delegations to international organisations and with bodies such as the International Law Commission, and academic interest in global governance, theories of democracy and sustainability. I will continue to work in this field as an academic and consultant at the conclusion of my Gates Scholarship.

INTERESTS:
My favourite activities include travel (particularly in South East Asia), sport (rowing and basketball), hiking and gorging on international film festivals.

Ms Jana Zaumseil
Germany

COURSE IN CAMBRIDGE:
PhD in Physics; St. John’s College

PREVIOUS UNIVERSITIES:
University of Leipzig

My future goal is to lead an international and interdisciplinary research team and thus make contributions to physical sciences which will have an impact on advanced technology. Being a Gates Scholar allows me to meet many people from all over the world and from different academic backgrounds, which will provide me with new perspectives on many issues within and outside of science.

INTERESTS:
Reading, Yoga, Badminton, Opera.

Ms Ning Zhang
China

COURSE IN CAMBRIDGE:
PhD in Physics; Selwyn College

PREVIOUS UNIVERSITIES:
Beijing University of Technology

My research will focus on the use of solitons as information carries in optical system. Solitons can propagate over 6000km without the need for repeaters while the power of transmitted light would be reduced by half only over a distance of 15km in common fiber. With the great help of Cambridge Gates Trusts and ORS Award, I have the opportunity to be a world’s leading scientist in Cambridge, which is definitely the world’s finest and most rigorous University. My long-term intention is to return to China and help the government create a stable perfect optical communication system. The plan, I envision, would put China (a country with great potential) on the right track to achieve a faster pace of development and to become, once again a powerful country. I will be very satisfied with my career if I know I have contributed to the development of a great communication evolution.

INTERESTS:
Thinking, debating, swimming, basketball, long distance running and dancing.

2004–05

Mr Ryan Prescott Adams
United States

COURSE IN CAMBRIDGE:
PhD in Physics; St. John’s College

PREVIOUS UNIVERSITIES:
MIT

Although I am performing my PhD work in the Physics Department at the Cavendish Laboratory, my primary research is in Statistical Machine Learning, a sub-field of Artificial Intelligence. I study the mathematical properties of collections of independent adaptive entities, using Bayesian statistical techniques. I believe that this approach to AI has far-reaching implications both for understanding the brain and for the long-term development of machine intelligence.

INTERESTS:
I like to play and coach water polo, race cars and karts. I also enjoy creative writing, and playing poker and Go. I would love to learn to play rugby while in Cambridge.
2004–05

Ms Sarah Alexander
Ireland

COURSE IN CAMBRIDGE:
MPhil in Classics; St John’s College

PREVIOUS UNIVERSITIES:
Trinity College, Dublin

I am delighted to be able to start working towards a PhD in Classics at Cambridge. My particular areas of research will be Theocritus, a poet of the Hellenistic period, and Greek philosophy with initial focus on Plato and Aristotle. In the future I hope to apply the knowledge and skills developed in studying the ancient world in our modern one.

INTERESTS:
For the last two years I have been living in Berlin, working in financial research. This experience has increased my interest in history, particularly that of modern Europe, and in travel. I also enjoy most kinds of literature, music, cinema and theatre.

Ms Laura Elizabeth Allan
Germany

COURSE IN CAMBRIDGE:
PhD in Molecular Signalling/Neuroscience; Queens’ College

PREVIOUS UNIVERSITIES:
University of Newcastle upon Tyne
BSc Hons (Pharmacology) 2004

I am investigating the role of _-amyloid precursor protein derived peptides in the pathological mechanism of Alzheimer’s Disease(AD). It has been predicted that in 50 years time there will be as many as 100 million AD sufferers worldwide. This translates into severe strain on medical, monetary and human resources. I would like to make a contribution towards acquiring a clearer understanding of AD thus advancing the search for treatments which will halt its progression or indeed effect a cure.

INTERESTS:
I enjoy music and dance of all kinds and both indoor and outdoor sporting activities.

Ms Yanna Antypas
Greece

COURSE IN CAMBRIDGE:
PhD in Materials Science & Metallurgy; Queens’ College

PREVIOUS UNIVERSITIES:
University of Cambridge (B.A. and M.Sci.)

Yanna holds a B.A. and M.Sci. from the University of Cambridge. She graduated from Newnham in June 2004 and is now a PhD student at Queens’, working in the Electron Microscopy Group (Department of Materials Science & Metallurgy). Her research seeks to develop novel theoretical approaches for magnetic induction mapping in the transmission electron microscope. This work will allow the nano-scale reconstruction of both internal and external magnetic fields in technologically important materials.

INTERESTS:
Human rights, music, horses and…transmission electron microscopy.

Ms Penelope Bond
New Zealand

COURSE IN CAMBRIDGE:
PhD in Land Economy; Fitzwilliam College

PREVIOUS UNIVERSITIES:

My PhD research proposal has grown out of experience in community development and advocacy for refugees. I am interested in the nature of the refugee resettlement experience in Australia, New Zealand and the UK, and my research seeks to explore the factors that facilitate or complicate this process. I am particularly interested in investigating the relative roles of the state, the media and NGOs in facilitating resettlement and minimising xenophobia in communities which accept refugees and determining whether links can be drawn between different refugee policies and the levels of belonging experienced by those granted refuge in these countries.

INTERESTS:
Growing sunflowers, single malt whisky, arguing, Christmas baking, bonfires on the beach or in the backgarden, fried breakfasts on sundays, accessory shopping, smoking cigars in seedy jazz bars, all poetry, but especially Auden…
Mr Charles Chang  
United States  

**COURSE IN CAMBRIDGE:**  
MPhil in English and Applied Linguistics;  
St John’s College (deferred from October 2004 to October 2005)  

**PREVIOUS UNIVERSITIES:**  
University of California, Berkeley  
Harvard University

This year I am taking a brief break from my PhD in linguistics at Berkeley to study at the Research Centre for English and Applied Linguistics here. My research interests generally lie in phonetics and phonology (the sounds of language and the systems into which they are organized), second language acquisition, and the sociology and psychology of language. I look forward to meeting you all!  

**INTERESTS:**  
Linguistics, languages, music, clarinet, whistling, tennis, gymnastics, figure skating, badminton, education policy, public service.

Ms Sook May Ivy Chia  
Singapore  

**COURSE IN CAMBRIDGE:**  
PhD in Education; Homerton College  

**PREVIOUS UNIVERSITIES:**  
University of London (Institute of Education)  
University of Auckland (New Zealand)  
Nanyang Tec Univ (National Institute of Education)

I am very privileged to be part of the Gates Cambridge Community. Being an educationist, I look forward to the exciting adventure ahead, to advance the cause of education and contribute to the society, in the spirit of a Gates Cambridge scholar.

**INTERESTS:**  
Travelling, Reading, Singing (Choir), Playing the piano, listening to Jazz Music.

Ms Claire Clement  
United States  

**COURSE IN CAMBRIDGE:**  
MPhil & PhD in Medieval History; St John’s College  

**PREVIOUS UNIVERSITIES:**  
University of California, Riverside  
University of California, Santa Cruz

My main intellectual interests are economic and social development – in both modern and historical contexts. I have degrees in Sociology and History, and have spent a year studying development in India. My research at Cambridge will look at the economies of convents in late medieval England. I intend to continue research in medieval economic history, while studying comparative economic history to look for rules of economic development.

**INTERESTS:**  
Creative writing, theology, walking/hiking, travel, languages, politics, music, art.

Miss Caroline Dingle  
United States  

**COURSE IN CAMBRIDGE:**  
PhD in Zoology; St John’s College  

**PREVIOUS UNIVERSITIES:**  
San Francisco State University (MA Biology 2004)  
University of California Santa Cruz (BA Biology)  
School for International Training  
Wesleyan University

My PhD research at Cambridge will integrate genetic, morphological and behavioural studies to address questions related to speciation and conservation in the neotropics. One of my career goals is to contribute to the improvement of communication between scientists and those involved in designing and implementing conservation policies. To this end, I plan to continue work that I have started with scientists and conservationists in Ecuador to improve scientific training in developing countries.

**INTERESTS:**  
Chasing birds around South American jungles, backpacking, Hashing, open water swimming, evolution, birds, mountains, natural history.
Ms L M Du Bouchet
France

COURSE IN CAMBRIDGE:
PhD in International Relations; Trinity College

PREVIOUS UNIVERSITIES:
École Normale Supérieure, Paris, University of Paris X-Nanterre: Licence (3rd year degree maîtrise);
L’Institut d’Études Politiques de Paris: (Masters Political Philosophy)

I intend to pursue research activities on the contemporary Middle East within an international organisation or a research institution affiliated to a government. I am hoping to deepen my knowledge of both the Arabic language and of local contexts in order to help designing in the future relevant and coherent policies in the region, and ultimately to have a substantial political impact in this field. Being a Gates Scholar will enable me to go on with my postgraduate and doctoral studies and research in Cambridge. It will make it possible for me to accomplish my goals in every aspect and in the best conditions – language learning, regional experience and fieldwork.

INTERESTS:
I enjoy travelling in the Middle East, particularly in Yemen which is my main field of research and interest. More generally, I like classical music and Russian literature. I am very interested in French poetry, especially of the second half of the 20th century.

Mr Mohammed El-Shafie
Sudan

COURSE IN CAMBRIDGE:
PhD in Geotechnical Engineering; Hughes Hall

PREVIOUS UNIVERSITIES:
MPhil, University of Cambridge, UK
B.Sc, University of Khartoum, Sudan

My principal goal will be to contribute in the area of the prediction of construction related damage to nearby already-existing structures. I will be working to make the introduction of new infrastructure in highly congested rural areas a safe and well predicted job instead of a risky and costly task. Working in one of the best research groups in the world and living in a society which provides an endless source of inspiration, provides a very high potential for a valuable contribution.

INTERESTS:
Reading, Football & Communication with different people of different interests and backgrounds.

Miss Mary Fan
United States

COURSE IN CAMBRIDGE:
MPhil in Social Anthropological Analysis; Downing College (deferred to October 2006)

PREVIOUS UNIVERSITIES:
University of Arizona/Yale Law School

Mr Paul Franklyn
South Africa

COURSE IN CAMBRIDGE:
PhD in Chemistry; Darwin College

PREVIOUS UNIVERSITIES:
University of the Witwatersrand (MSc Chem)
University of the Witwatersrand (BSc Hons Chem)
University of the Witwatersrand (BSc Chem, Phys)

I have always been driven by scientific curiosity. Cambridge has the resources to allow me to carry out science for the sake of science with no direct industrial application. My focus is the crystal structure of nanoparticles and in determining and explaining the mechanism by which crystalline nanoparticles form. I’m using the opportunity of being based in the UK to gain international experience and to meet experts before returning to South Africa to work in a university there on nanoscience.

INTERESTS:
Programming, computer gaming, extreme chemistry, current affairs (with an emphasis on scientific literature), sketching, tennis and squash. And since being here cooking, punting and touring cycling can be added to that list.
Mr Seth Daniel Goldstein  
United States

**COURSE IN CAMBRIDGE:**  
MSc in Medicinal Chemistry; Emmanuel College

**PREVIOUS UNIVERSITIES:**  
North Carolina State University

My undergraduate degree from NC State is a B.S. in Biomedical Engineering. In Cambridge, I will be doing research in the Herchel Smith Laboratory for Medicinal Chemistry; my plan is to use Magnetic Resonance Imaging to study the effects of arthritis on articular cartilage. Upon my return to the USA, I will attend Johns Hopkins University Medical School with the eventual goal of becoming a physician.

**INTERESTS:**  
Jazz saxophone, soccer, tennis, triathlon, travel.

Miss Marcela Gomez-Perez  
Colombia

**COURSE IN CAMBRIDGE:**  
PhD in Earth Sciences, Newnham College

**PREVIOUS UNIVERSITIES:**  
Universidad Nacional de Colombia,  
BSc Geology 2001

I am interested in understand the history of life on Earth, not only by studying events today, but understanding those that occurred in the past and to some extend shaped the world we know inhabit. Cambridge has a strong research group in Palaeobiology doing an innovative research in this area. My goal after my PhD is to study part of the great palaeontological richness of Colombia as part of the leading scientific community of my country

**INTERESTS:**  
Classical music, playing the viola, swimming, Natural History Museums, traveling.

Mr Simon Grote  
United States

**COURSE IN CAMBRIDGE:**  
PhDMP in Political Thought and Intellectual History; Gonville & Caius College

**PREVIOUS UNIVERSITIES:**  
University of California, Berkeley  
Harvard University

I’m pursuing a PhD degree in history, with an emphasis on European intellectual history of the seventeenth and eighteenth centuries. My research at Cambridge focuses on contemporary developments in moral philosophy, theology, and the reading of classical authors in mid-eighteenth-century Scotland, England, France and Germany, and involves an intensive study of the Scottish philosopher William Cleghorn.

**INTERESTS:**  
History of philosophy, science, art and music; classical and jazz piano; classical languages and literature; poetry; architecture; performing and visual arts.

Ms Karuna Ganesh  
India

**COURSE IN CAMBRIDGE:**  
MBBChir/PhD in Clinical Medicine;  
Fitzwilliam College

**PREVIOUS UNIVERSITIES:**  
Cambridge University BA (Hons.) Biochemistry

The Gates Cambridge Scholarship will allow me to study clinical medicine and pursue doctoral research at Cambridge, thereby preparing me for a career as a medical scientist. In the long term, I hope to study virulence mechanisms of microbial pathogens, and develop affordable means of combating them. In this way, and by participating in international health policy planning, I hope to make a real difference to people’s health in the poorest parts of the world.

**INTERESTS:**  
Molecular evolution, political philosophy and international affairs, literature, languages, Bharatanatyam, community service, travel, badminton, wine, chocolate…
Mr Douglas Guilfoyle
Australia

COURSE IN CAMBRIDGE:
PhD in International Law; Trinity Hall

PREVIOUS UNIVERSITIES:
Australian National University

I worked as a commercial lawyer in Sydney and as an associate (or clerk) to two Australian federal judges (one in Sydney, one in Melbourne) before coming to Cambridge. My PhD research is on stopping, searching and seizing international shipping in order to regulate activities such as drug smuggling, WMD trafficking and the management of fisheries.

INTERESTS:
Drama, debating, travel, reading and writing.

Mr Gregory Hughes
United States

COURSE IN CAMBRIDGE:
PhD in Computer Science; St. Edmund’s College

PREVIOUS UNIVERSITIES:
University of Rhode Island

I am interested in adapting computers for users who are blind and partially sighted. Cambridge is not only a great place to study computer science, but there have also been various research projects on adaptive technology, and thus it is an amazing environment for me to conduct my research. “Be who you are and say what you want, because those who mind don’t matter and those who matter don’t mind.” Theodor Seuss Geisel (Dr. Seuss)

INTERESTS:
Aside from my studies I am interested in downhill skiing, water skiing, mountain biking, swimming, kayaking, and canoeing.

Miss Zeynep Inanoglu
Turkey

COURSE IN CAMBRIDGE:
PhD in Information Engineering; St Edmund’s College

PREVIOUS UNIVERSITIES:
MIT Media Lab
University of Cambridge (MPhil in CSTIT)
Harvard (BA in Electrical Engineering)

My immediate academic interests lie in the area of speech processing, specifically the recognition of emotions in human speech and the integration of emotional attitudes into state of the art speech synthesisers. On a higher level, I am interested in ways of defining emotional intelligence, its role in human cognitive capabilities and its integration into machines that may attempt to substitute humans in various fields.

INTERESTS:
Running, dancing (salsa and ballroom), photography, yoga.

Mr Eric Jensen
United States

COURSE IN CAMBRIDGE:
PhD in Sociology (Centre for Family Research); Homerton College

PREVIOUS UNIVERSITIES:
Portland State University
Clark College

My PhD research will be a comparative study of the policymaking process for the issue of therapeutic cloning (i.e., stem cells) in the US and UK. Though these nations have similar legislative systems for deliberating over science policy, they each came to sharply different conclusions about what the right course of action was for this issue. Following the PhD, I hope to get into advising and/or analyzing public policy. I would ultimately like to go into elected politics directly.

INTERESTS:
Political news, wine, The Sopranos.
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Dr Anand Devaprasath Jeyasekharan</td>
<td>India</td>
<td>PhD in Oncology; Gonville and Caius College</td>
<td>MBBS – Christian Medical College, Vellore (2002)</td>
<td>Music (Rock n Roll, Alternative, Indian String Classical and Trivia), Sci-Fi + Fantasy, Bridge, Volleyball, Epidemiology, Formula 1, Astronomy.</td>
</tr>
<tr>
<td>Miss Yinglin Ji</td>
<td>China</td>
<td>PhD in English and Applied Linguistics; Trinity Hall</td>
<td>Peking (Beijing) University MA (English) Peking University of China BA (English)</td>
<td>Reading, Chinese ancient poetry, music, jogging, travelling.</td>
</tr>
<tr>
<td>Ms Angeliki Kehagia</td>
<td>Greece</td>
<td>PhD in Experimental Psychology; Downing College</td>
<td>Oxford University, Balliol College</td>
<td>How “free” is our will? I hope to elucidate some of these issues with the use of behavioural measures and neuroimaging techniques such as fMRI.</td>
</tr>
<tr>
<td>Mr Steven D. Kreeger</td>
<td>United States</td>
<td>PhD in International Studies; Peterhouse</td>
<td>United States Military Academy</td>
<td>Military Ethics and the Military Professionalism, American Politics, Team Sports, Wold Cup Soccer, Cooking, Board Games, and Fiction Novels.</td>
</tr>
</tbody>
</table>

My career goal is to become a linguist who can view language teaching from the perspective of a practitioner and meanwhile, a practitioner who would like to see language teaching through a research lens. I believe that my potential as an English teacher and researcher will be further exploited in the highly stimulating and exciting atmosphere of Cambridge. I’m also very grateful to the Gates Cambridge Trust for their generous financial support of my PhD study in Cambridge.
Dr Joseph Lim  
Philippines

COURSE IN CAMBRIDGE:  
PhD in Pharmacology; Selwyn College

PREVIOUS UNIVERSITIES:  
University of Western Australia (MLM)  
DLSU-Medical Center (Pathology Residency)  
De La Salle University (MD)  
University of the Philippines (BS)

I believe that the University of Cambridge, given its prestigious history in the training of biomedical researchers, would be the perfect setting for me to gain more research skills and experience in the field of multidrug resistance in cancer. In the long term, I intend to be actively involved in biomedical research in the context and setting of the population of a developing country, like the Philippines, as well as collaborative studies with my contacts in Australia and in the UK.

INTERESTS:  
Music, films, tennis, and cooking.

Miss Ming Yeong Lim  
Malaysia

COURSE IN CAMBRIDGE:  
MB BChir in Clinical Studies; Magdalene College

PREVIOUS UNIVERSITIES:  
Magdalene College, Cambridge University

To be offered a Gates Scholarship to continue my medical education at Cambridge provides me the opportunity to be trained from one of the best patient-orientated and research-based medical school. This will greatly help me in my future medical career, both in the hospital and in the lab. In equipping myself with valuable clinical skills through direct patient contact, I aspire to become a compassionate and thinking member of the medical profession and of the general community.

INTERESTS:  
I enjoy travelling, watching plays and musicals, ballroom dancing, listening to music, playing badminton, cosying up with a good book, having cookouts with friends and window-shopping.

Mr Yu Liu  
China

COURSE IN CAMBRIDGE:  
PhD in Engineering; Sidney Sussex College

PREVIOUS UNIVERSITIES:  
Beijing University of Aeronautics & Astronautics: Msc in Aerospace Engineering  
Beijing University of Aeronautics & Astronautics: BSc in Aerospace Engineering

I have a definite career goal to become a world-class researcher in Aerospace Engineering. I choose Cambridge for its top-class faculty and advanced facilities in Aeroacoustics. Upon completion of my PhD program, I will come back to China and continue my research in this area. I look forward to leading my own acoustical lab at a major research university. I believe that a postgraduate experience at Cambridge will greatly benefit both my own career and China’s aerospace industry.

INTERESTS:  
Soccer, table tennis, music, movie, travel and team activities.

Miss Ella McPherson  
United States

COURSE IN CAMBRIDGE:  
PhD in Social and Political Sciences; Pembroke College

PREVIOUS UNIVERSITIES:  
Cambridge Uni., MPhil, Latin American Studies  
Princeton Uni., BA, Woodrow Wilson School

My PhD is on the factors affecting how the Mexican press covers human rights violations.

INTERESTS:  
Documentary photography, train travel, ebay.
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<tbody>
<tr>
<td>Ms Rita Monson</td>
<td>Canada</td>
<td>PhD in Biochemistry; Gonville &amp; Caius College</td>
<td>Massachusetts Institute of Technology</td>
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<td>Until recently, scientists assumed that single celled organisms acted on their own. My research focuses on the growing field of quorum sensing and how bacteria communicate with each other. In a larger context I am interested in discussing questions of ethics in science, medicine and what diseases we choose to invest resources in. I am trying to understand how governments and independent funding bodies choose to invest money in certain fields and how our current system benefits society.</td>
</tr>
</tbody>
</table>
| Ms Julia Moses        | United States | PhD in History; St John’s College                  | University of Oxford (University College)  
Columbia University (Barnard College)                                                                 |
|                       |             |                                                     | My PhD will focus on the development of social welfare policies in Germany, Britain and Italy from the 1880s to the early 1920s. I seek to address the extent to which domestic and transnational discussions about national welfare policy related to changing conceptions of national identity and national strength. With this dissertation, I also hope to contribute to current debates about social welfare reform. |
| Mr Michael Motto      | United States | PhD in Criminology; King’s College                  | Yale University: BA Sociology (2001), BA American Studies (2001)  
University of Cambridge: MPhil Criminological Research (2005)                                                 |
|                       |             |                                                     | September 11, 2001, brought home for me the urgent need to examine the relationship among policing, the community and effective anti-terror policy. My research on the London Metropolitan Police and New York Police Department is grounded in the belief that we can protect great nations while ensuring the civil rights and basic liberties of all citizens. I hope my time at Cambridge will inform a career in public service, building international coalitions to address the global threats of terrorism. |
| Miss Maja Milicevic   | Yugoslavia  | PhD in English and Applied Linguistics; Darwin College | University of Cambridge  
MPhil (English and Applied Linguistics) 2004  
University of Belgrade  
BA (Italian Language and Literature) 2001                                                                 |
|                       |             |                                                     | My research follows the direction of my main career goal, which is to work in the sector of education. My area of study is second language acquisition and I expect to draw from it data useful also in terms of pedagogical grammar. I hope to apply the results I obtain in Cambridge on further improvement of language teaching in Serbia at all levels, from primary schools to university, through practical teaching activity and through promotion of research in the relative field. |
|                       |             | INTERESTS:                                          | Squash, reading, independent films and the Boston Red Sox. |

2004–05
Ms Alexandra Mudd
United States

**COURSE IN CAMBRIDGE:**
PhD in History and Philosophy of Science;
Darwin College

**PREVIOUS UNIVERSITIES:**
The University of Chicago, M.A. Divinity
St. John’s College, B.A. Liberal Arts

My Ph.D. explores the problem of trust in testimony from a psychological perspective that foregrounds unconscious motivation. Broadly speaking, I am interested in the intersection of ethics and epistemology. I am grateful to the Gates Trust for the opportunity to study in such an outstanding community of scholars.

**INTERESTS:**
I love cooking, dancing and the Great Outdoors! I also care passionately about psychoanalysis and the examined life.

Ms Emily Noah
United States

**COURSE IN CAMBRIDGE:**
PhD in Geography; Queens’ College

**PREVIOUS UNIVERSITIES:**
Yale University: MESc (Environmental Policy)
Brown University: AB (Environmental Studies)

Building on previous work, my focus in geography is on environmental policy innovations, especially ones reliant on cooperation among businesses, citizens and government. I will apply interdisciplinary methods I used to research wood eco-labeling to other efforts in EU sectors, many of which are leaders in this area. Through the unequaled opportunity offered by the Trust, I will prepare for a career in academia, where environmental issues demand collaboration across and beyond the university.

**INTERESTS:**
I enjoy the outdoors, travel, cinema (both artistically lauded films and more obscure, unintentionally kitschy fare), personal attempts at creative writing and various craft activities, and learning about plants and the development of the field of natural history. I am also a devotee of 19th century-early 20th century British literature and caffeinated beverages. Political advocacy processes are an important part of my life as are environmental education and volunteer tutoring/mentoring for at-risk kids. At Cambridge, I hope to become re-acquainted with earlier pursuits of tennis and equestrian sports.

Mr Johannes Nordstrom
Sweden

**COURSE IN CAMBRIDGE:**
PhD in Mathematics; King’s College

**PREVIOUS UNIVERSITIES:**
Cambridge University

I’ve previously done the Mathematical Tripos here in Cambridge. I am now staying on to do research in differential geometry, particularly Kahler geometry and the geometry of manifolds of special holonomy.

**INTERESTS:**
Boardgames (particularly go and diplomacy), film.

Mr Sheehan Olver
United States

**COURSE IN CAMBRIDGE:**
PhD in Applied Mathematics and Theoretical Physics; Trinity Hall

**PREVIOUS UNIVERSITIES:**
University of Minnesota Twin Cities

Freedom is free of the need to be free

**INTERESTS:**
Ms Clementina Osti  
Italy  
**COURSE IN CAMBRIDGE:** PhD in European Literature; St. John’s College  
**PREVIOUS UNIVERSITIES:**  
2002-2003: University of Oxford  
1999-2002: University of London  
I am focusing my research on major European literary competitions such as the Prix Goncourt, Premio Strega or Booker Prize. I am particularly interested in considering issues of cultural and literary identity and hope to investigate the influence of literary allusions and intertextual references in the establishment of aesthetic judgement.  
**INTERESTS:** Horse riding, swimming, history of cinema, folk and country music.

Mr Pandia Raj Ramar  
India  
**COURSE IN CAMBRIDGE:** PhD in Structural Engineering; Jesus College  
**PREVIOUS UNIVERSITIES:**  
IIT Madras  
GCE, University of Madras  
My PhD research in Cambridge University will add value to the research that I have carried out during my MS at IIT Madras. This will enable me to understand and use technological innovation in various infrastructure projects specifically projects related to Structural Engineering. Such knowledge will undoubtedly help me and my country to realise the vision of making a developing country like India into a developed country. I gratefully acknowledge the support of the Gates Cambridge Trust.  
**INTERESTS:** Badminton, swimming, travelling, listening to music and reading literature.

Miss Camille Paxton  
United States  
**COURSE IN CAMBRIDGE:** PhD in Biological Science (Immunology); Downing College  
**PREVIOUS UNIVERSITIES:**  
Hampshire College  
I am trying Biochemistry, cell and molecular biology to understand the bases of how cells work. Many time advances in sciences and medicine go forward with out understanding the underlining mechanisms of how cells work. By trying to have this understanding it will not only advance human knowledge but may make it easier for further scientific developments to proceed.  
**INTERESTS:** My other interest include Traveling, taking pictures, scuba diving, trying new out door actives such as rock climbing and whit water rafting. Doing volunteer work, especially encouraging children’s scientific pursuits.

Mr Gian Paolo Procopio  
Italy  
**COURSE IN CAMBRIDGE:** PhD in Theoretical Physics (DAMTP); Churchill College  
**PREVIOUS UNIVERSITIES:**  
University of Cambridge (CASM)  
University of Bologna (University of York)  
I am interested in exploring and identifying the basic principles governing the generation and the behaviour of energy and matter. During my time spent in Cambridge I hope to develop the skills I need to do research in theoretical physics leading to greater understanding of the basic laws of nature. I would also like to be part of the University’s influential international alumni network and I think that being a Gates Scholar will help to accomplish this ambition.  
**INTERESTS:** Travel around the world, Opera, Cinema and swimming.
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<tbody>
<tr>
<td>Miss Amy Elizabeth Rowe</td>
<td>PhD in Social Anthropology, Girton College</td>
<td>Harvard University, MA in Theology, 2001 Colby College, BA Anthropology &amp; Religion, 1999</td>
<td>I look forward to drawing together my varied personal and academic interests in my PhD program at Cambridge. I have lived and studied in India, worked in public policy, and taught history at a private school in Vermont for the last 3 years. At Cambridge I will pursue a project investigating immigration in rural New England. I am especially interested in social memory and the production of public historical accounts. My goal is to teach at the university level upon completion of my degree. Hiking/camping, tennis, cooking, gardening, and traveling.</td>
</tr>
<tr>
<td>Mr Zain Shirazi</td>
<td>PhD in History; Fitzwilliam College</td>
<td>University of British Columbia (1999-2003)</td>
<td>My research focuses on Hindu-Muslim relations in the public sphere of colonial North India c. 1880–1930 with particular reference to the printing of polemical and controversial works. Reading (philosophy, politics and literature), learning languages, film and music.</td>
</tr>
<tr>
<td>Mr Julian Sonner</td>
<td>PhD in Theoretical Physics; Trinity College</td>
<td>University of Cambridge University of Edinburgh</td>
<td>My research interests centre on problems in M-Theory and String Theory. These theories allow us to describe the phenomena of gravitation and quantum field theory in a unified way. Recently I have been involved in the study of generalized holonomy in M-Theory, a technique to classify supersymmetric solutions of M-Theory. In my PhD I hope to continue exploring stringy physics with the help of contemporary mathematical tools. Playing the piano, listening to music (both classical and not), cooking, sports (tennis, skiing...).</td>
</tr>
<tr>
<td>Mr Florian Steinberger</td>
<td>PhD in Philosophy; Hughes Hall</td>
<td>University of Cambridge University of Paris University of Provence</td>
<td>My doctoral work focuses on the philosophy of mathematics and logic. Ultimately I hope that my work will encourage the collaboration between researchers in the fields of philosophy, mathematics, computer science and related disciplines. My interests include: spending time with my dog, literature, Jewish history, jazz, politics, natural sciences, cinema, arts, soccer, basketball.</td>
</tr>
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</table>
2004–05

Ms Cassandra Sweet
United States

COURSE IN CAMBRIDGE:
PhD in Land Economy; Jesus College

PREVIOUS UNIVERSITIES:
University of Cambridge
Stanford University
Georgia State University

My work explores the emergence of an alternative geography of trade, focusing on giants Brazil and India and the capacity of large developing nations to realize south-south economic integration. This Southerner hails from Atlanta, trade terminus, pecan and hip-hop hub.

Experience spans work in international agencies, public schools, radio journalism, international legal research and municipal administration. I hope through my doctorate studies to illuminate trends in economic development.

INTERESTS:
Clean water, community cinema, northeastern Brazil, large tomato gardens, East Palo Alto, international relations, transportation, all languages, salsa, samba, bachata, ciranda, poetry of the street.

Mr Jan Trnka
Czech Republic

COURSE IN CAMBRIDGE:
PhD in Biochemistry; St. John’s College

PREVIOUS UNIVERSITIES:
Charles University, Prague, Czech Republic

I am very glad to have the opportunity to study at Cambridge University. My research will focus on the signalling from the mitochondria to the rest of the cell by means of redox active species. Any progress in this area might elucidate some of the mechanisms behind the damage caused by diseases such as diabetes.

Parkinson disease, atherosclerosis, stroke, etc. In the future I see myself as a researcher and teacher at a university.

INTERESTS:
Music (classical, world, punk…), yoga, rowing, movies, philosophy, travelling, theology, history….

Mr Viktor Vafeiadis
Greece

COURSE IN CAMBRIDGE:
PhD in Computer Science; Selwyn College

PREVIOUS UNIVERSITIES:
University of Cambridge: BA (computer science)

My long-term aim is to improve software quality by developing programming environments that will detect most errors automatically, thus enforcing correctness by design. During my PhD, I will investigate the design space of safe modular type systems and extend existing systems in order to capture more precisely the implied semantics of each module; thus creating a system able to provide additional static and dynamic correctness guarantees, going far beyond what classical type systems achieve.

INTERESTS:
Orthodox and hellenic societies, water polo, chess.

Ms Sarah van Mastrigt
Canada

COURSE IN CAMBRIDGE:
PhD in Criminology; Magdalene College

PREVIOUS UNIVERSITIES:
Cambridge University (MPhil in Criminology)
University of Calgary, Canada (B.A. Hons in Psych)

Unique theoretical and legal issues are raised when individuals commit crime in conjunction with others. My PhD will focus specifically on the role of gender in co-offending. Are offences committed by females acting together significantly different from those committed by male or mixed sex crime groups? If so: in what ways, and why? Answers to these and other questions will stimulate academic discussion and improve the ways in which we investigate, prosecute, and ultimately prevent, crime.

INTERESTS:
My greatest passion is travel- only two more continents to go and I will have stepped foot on every one! Speaking of feet, I have a mild (well, ok, some might argue a moderate) shoe shopping addiction! Dance, theatre, reading and volunteering are my other devotions. Above all, I love meeting new people so come and say hello!
<table>
<thead>
<tr>
<th>Year</th>
<th>Student Name</th>
<th>University/College</th>
<th>Degree Program</th>
<th>Previous Universities</th>
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<tbody>
<tr>
<td>2004–05</td>
<td>Ms Noreen Von Cramont-Taubadel</td>
<td>Ireland</td>
<td>PhD in Biological Anthropology; St John’s College</td>
<td>University College London: MSc Human Evolution and Behaviour, 2003 National University of Ireland, Galway: BSc (Hons) Zoology, 2002</td>
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<td>My fascination for human evolution grew from my zoological training and a desire to become involved in one of the least objective academic fields—research into our very own origins. My future career goals are to carve a research niche in Anthropology and to become an active educator within the field. I believe it is important for students to develop an appreciation of the time-depth involved in the history of our species. The Gates Scholarship affords me the opportunity to pursue my ambitions. INTERESTS: Rowing, walking, wildlife, reading, cinema, travel, dance and theatre.</td>
</tr>
<tr>
<td></td>
<td>Ms Abigail Marie Wild</td>
<td>United States</td>
<td>PhD in Criminological Research; Pembroke College</td>
<td>Harvard</td>
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<td>I plan to research women’s rights and mental health care in Latin American prisons. I am interested in questions of cross-cultural applicability of prison modeling and in culturally contingent explanations for gaps between criminological research and penal policy. I am also interested in prison conversion narratives, photographic representation of prisoners, and historical constructions of criminal typologies and their use in substantiating (frequently racialized) claims about atavistic types. INTERESTS: Inclusive action learning environments (especially outdoor), primatology, water-skiing, violin, board games, soccer, neurotheology, sleep/dream research, hiking, costume parties.</td>
</tr>
<tr>
<td></td>
<td>Mr Shane Woods</td>
<td>Canada</td>
<td>PhD in Genetics; Hughes Hall</td>
<td>Queens University: B.Sc. Honours, Biochemistry (2004) University of Notre Dame Harvard University</td>
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<td>The similarities between the genomes of simple model organisms and humans are striking. My research in <em>C. elegans</em> concerns with how cells acquire and maintain their normal function. To understand what goes wrong when a cell becomes cancerous requires a knowledge of the processes that ensure correct function in normal development. My focus is to examine functional redundancy on an organism wide scale. I hope to understand how copies of genes can compensate for one another’s function when a single copy is lost. My involvement in science extends beyond my research; I’m interested in the way that science is portrayed through the media, the way it influences business, and the benefits it can have on our daily lives. INTERESTS: In my off time you will most likely find me snowboarding, wakeboarding, playing ice hockey, traveling, or punting along the river Cam.</td>
</tr>
<tr>
<td></td>
<td>Ms Umut Yildirim</td>
<td>Turkey</td>
<td>PhD in Social Anthropology; Lucy Cavendish College</td>
<td>Previous Universities:</td>
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<td>My research at Cambridge will look at the formation of political subjectivities in the context of the state of emergency in South Eastern Turkey. My research involves rethinking the political dimensions of the “discipline” and practice of anthropology with a particular focus on methodologies and the role of the anthropologist in the context of violence. INTERESTS: Music, food, photography, critical theory.</td>
</tr>
<tr>
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<tr>
<td>2004–05</td>
<td>Ms Mi Zhou</td>
<td>Australia</td>
<td>PhD in English; Clare Hall</td>
<td>UNSW, Australia</td>
</tr>
<tr>
<td></td>
<td>Mr Shehu Abdussalam</td>
<td>Nigeria</td>
<td>PhD Applied Maths and Theoretical Physics; St Edmund's College</td>
<td>University of Cambridge; AIMS, South Africa Ahmadu Bello University, Nigeria</td>
</tr>
<tr>
<td></td>
<td>Ms Jesmini Ambikapathy</td>
<td>Australia</td>
<td>MPhil in BioScience Enterprise; Darwin College</td>
<td>Australian National University (BSc and LLB)</td>
</tr>
</tbody>
</table>

During my PhD studies, I plan to develop models for the analysis of monetary policy. I am particularly interested in how uncertainty about the economic outlook affects the performance of monetary policy. I am grateful to the Gates Cambridge Scholarship for funding my studies.
### 2005–06

#### Mr Ross Anthony
South Africa

**COURSE IN CAMBRIDGE:**
PhD Social Anthropological Analysis; Pembroke College

**PREVIOUS UNIVERSITIES:**
University of Natal; BA (Hons) History of Art 1998
University of Cape Town; MA English

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I am interested in the development of China’s western region of Xinjiang. My research focuses on ways in which urban development shapes notions of identity on global, national and local levels. After completing my PhD, I will return to South Africa in the hope of fostering a greater awareness of China amongst Africans through teaching, researching and perhaps contributing to policy issues. My long-term goal is to contribute to the development of an Asian studies department in South Africa.

**INTERESTS:**
Mountains (especially the Himalayan family), China-watching, novel theoretical approaches to anything and everything, playing guitar, drinking coffee and hanging out with friends.

#### Miss Diane Candide Marie Archer
Thailand

**COURSE IN CAMBRIDGE:**
MPhil in Planning, Growth and Regeneration; Sidney Sussex College

**PREVIOUS UNIVERSITIES:**
University of Cambridge

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Having completed my BA in Land Economy, I decided to remain in this field and specialise in the issues surrounding planning and growth through the Planning, Growth and Regeneration MPhil. I am especially interested in the problems surrounding urbanisation in developing countries, such as congestion and slums, having grown up in Bangkok. I hope to eventually return to South East Asia to work, either in the public or NGO sector.

**INTERESTS:**
I enjoy playing ladies football for my college, as well as a spot of rowing. Otherwise I also like to go for runs along the river and attending aerobics classes. I’m a keen reader and love travelling and meeting new people.

#### Mr Jeronimo Arellano
Ecuador

**COURSE IN CAMBRIDGE:**
MPhil in Latin American Studies; Clare Hall

**PREVIOUS UNIVERSITIES:**
Stanford University, CT
Macalester College

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My current research focuses on the interaction between alphabetic writing and other systems of inscription -the Inca quipu, in particular- in colonial texts from the Andes region. I am also interested in the representation of narratives of origin in contemporary Latin American cinema and visual arts.

**INTERESTS:**
Traveling, creative writing, music, sushi.

#### Mr Trivikram Arun Ramanathan
India

**COURSE IN CAMBRIDGE:**
MPhil in Industrial Systems, Manufacture and Management; Wolfson College

**PREVIOUS UNIVERSITIES:**
Nanyang Technological University, Singapore

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Management of technology will have a pivotal impact on human well in the developing world. Intricate relationships between several factors need to be analyzed to understand to what extent manufacturing should balance skilling/deskillling, job creation/preservation with increasing productivity. I hope to use what I learn at Cambridge, for furthering my understanding of the interdependencies that exist in matters relating to industrial systems, management of technology and socio economic impact.

**INTERESTS:**
I play table tennis, tennis and cricket and like reading, particularly books of humour. I also spend some of my spare time on animal welfare and trying to keep myself abreast with developments in communication technology.
Dr Felix Assah  
Cameroon  

**COURSE IN CAMBRIDGE:**  
PhD in Epidemiology; Wolfson College  

**PREVIOUS UNIVERSITIES:**  
University of Cambridge (MPhil, 2005)  
University of Yaounde I, Cameroon (MD, 2001)  

My PhD research will focus on objective measurement of physical activity in an adult Cameroonian population. This work is within the broad area of understanding the determinants of adult obesity, diabetes and related metabolic disorders. I intend to focus my career on alleviating the burden of diabetes on the population and the healthcare system through epidemiological research on primordial and primary prevention of diabetes.

**INTERESTS:**  
Reading, watching football/movies, music and travel. I do not trust people who don’t drink coffee!

Ms Laura Blecha  
United States  

**COURSE IN CAMBRIDGE:**  
MPhil in Physics; St. Edmund’s College  

**PREVIOUS UNIVERSITIES:**  
Northwestern University, USA  

I will be studying physics, focusing on theoretical cosmology. After next year, I plan to continue my research and pursue a PhD at Caltech in the US.

**INTERESTS:**  
Music (flute & piano), hiking & outdoor sports, stargazing, dancing, photography, & cooking (esp. desserts!).

Miss Katarzyna Bojar  
Poland  

**COURSE IN CAMBRIDGE:**  
MPhil in GIS and Remote Sensing; Girton College  

**PREVIOUS UNIVERSITIES:**  
University of Szczecin, Msc (Marine Geography)  
University of Aberdeen, Scotland (Erasmus scholar)  
Business College of Western Pomerania, Szczecin (BA (Economics))  

I am particularly interested in multimedia cartography and GIS. At Cambridge, I would like to focus on visualization of spatial data using 3D models and virtual reality for Coastal Zone Management. I hope that in the future I will be able to continue my research to PhD level and become a teacher at the university.

**INTERESTS:**  
Music, playing clarinet, cinema, tennis, biking, traveling, cooking.

Mr Scott Carlson  
United States  

**COURSE IN CAMBRIDGE:**  
MPhil in Computational Biology; Darwin College  

**PREVIOUS UNIVERSITIES:**  
Stanford University, CA  

I am thrilled to spend next year in Cambridge. I can’t wait to see the place and meet the people. The M.Phil in Computational Biology from Cambridge will be a strong preparation to begin a PhD Bioengineering at MIT in 2006. After the PhD I plan to go into research on biological systems engineering in either academia or industry.

**INTERESTS:**  
I love to know what’s going on in the world, especially international relations and U.S. politics. I grew up in the Pacific Northwest so I get outside at every opportunity to go hiking, skiing, running, or play frisbee. I listen to mostly techno, electronica, and Europop, lots of stuff that no one’s ever heard of. My professional and research interests are molecular and cellular biology, genetics, chemical biology, statistics, machine learning, programming, and biological systems engineering. After Cambridge I’ll start a PhD in Bioengineering at MIT in 2006.
Mr Rittik Chaudhuri
United States

COURSE IN CAMBRIDGE:
MPhil Biological Science; Magdalene College

PREVIOUS UNIVERSITIES:
Duke University

Among the genes encoded by HIV, Nef has been shown to be a primary determinant of viral pathogenicity. Patients infected with an attenuated strain of HIV, lacking a functional Nef, have displayed markedly slower progression towards AIDS. While at Cambridge, I intend to explore the role of Nef in HIV pathogenesis using an array of biochemical, cell biological, and genomic approaches. Hopefully, the findings of these studies will contribute to our understanding of HIV.

Ms Chi Ai
Angela Mary Chew
Singapore

COURSE IN CAMBRIDGE:
PhD in Classics (Ancient Philosophy); New Hall

PREVIOUS UNIVERSITIES:
University of Cambridge (BA, MPhil)

INTERESTS:
Theology; international friendship (I have been involved in running international coffee bars and other activities for several years in Cambridge); travelling; languages.

Mr Aaron Richard Coble
United States

COURSE IN CAMBRIDGE:
PhD in Computer Science; King’s College

PREVIOUS UNIVERSITIES:
Pennsylvania State University, PA
Oxford University

I am greatly honored to be pursuing my DPhil at Cambridge with the help of the Gates Trust. My intended area of research is the automated checking and verification of computer security protocols.

Mr Stuart Anthony D’Aloisio
Australia

COURSE IN CAMBRIDGE:
LLM Law; Downing College

PREVIOUS UNIVERSITIES:
University of Melbourne BA/LLB (Hons)

In my LLM at Cambridge I plan to focus on intellectual property law and dispute resolution. I have spent the past two years living and working as a lawyer in China, and in the future I hope to combine my study of law with my interest in China and its development. I am looking forward to experiencing university life in Cambridge and making the most of a challenging academic environment.

INTERESTS:
Travelling, skiing, reading, chinese cinema, cooking, live music.
Mr C. Wallace De Witt
United States

COURSE IN CAMBRIDGE:
MPhil in Oriental Studies; King’s College

PREVIOUS UNIVERSITIES:
Harvard Law School (2007)
Yale College (2003)

I am extraordinarily pleased and delighted to be the recipient of a Gates Fellowship. I have taken a year leave of absence from Harvard Law School in order to study in the Faculty of Oriental Studies at Cambridge. Upon completion of my law degree, I intend to enter private practice in a foreign office of an American or British law firm.

Ms Amanda Dennis
United States

COURSE IN CAMBRIDGE:
MPhil in European Lit. and Culture; Trinity College (deferred to October 2006)

PREVIOUS UNIVERSITIES:
Princeton University:
AB Comparative Literature (2003)

My interests revolve around the interplay between philosophy and literature. I would like to explore the influence of memory on present experience, and to look at how this perceptual phenomenon is manipulated by artistic (literary) and cultural productions. My studies engage with the work of Nietzsche (among others), who stylistically blurred boundaries between poetry and philosophy in order to expose correspondences between psychology, mythology, literature and the structure of consciousness.

INTERESTS:
I love traveling, learning foreign languages, soccer, running, sailing, cooking Thai food, theater, film and all kinds of music.

Mr Jonathan DeRocher
United States

COURSE IN CAMBRIDGE:
PhDPg in Chemical Engineering; King’s College

PREVIOUS UNIVERSITIES:
University of Minnesota

My undergraduate research was in the area of transport in polymer membranes. I have worked mostly with nonselective membranes which either facilitate fast mass transfer or act as barriers. In Cambridge, I will extend this research by working with Dr. Geoff Moggridge on selective nanoporous films made from block copolymers. I plan to receive a certificate of postgraduate study and start graduate school in chemical engineering at MIT next year.

INTERESTS:
I enjoy running, hiking, racquetball, tennis, hockey, baseball, and physical activities in general. I’m interested in learning about British sports such as cricket and rugby. I would also like to learn about British history and travel in the UK and Western Europe during my stay at Cambridge.

Mr Daniel DiCenso
United States

COURSE IN CAMBRIDGE:
PhD in Music; Magdalene College

PREVIOUS UNIVERSITIES:
Villanova University (MA)
University of Pennsylvania (MA, MS)
College of the Holy Cross (BA)

I bought my first chant album in the sixth grade as a first-year Latin student. While an undergraduate, my childhood fascination with chant blossomed into an intellectual passion, which now, in turn, has led to the pursuit of a Ph.D. in Music. I am particularly excited about pursuing my interests in chant at Cambridge University because Cambridge is unique in its resources for the interdisciplinary study of chant and its medieval contexts.

INTERESTS:
Music, singing, concerts, art, cultural theory, reading, teaching, and travel.
**Mr Michael Dodson**  
**United States**

**COURSE IN CAMBRIDGE:** Diploma in Computer Science; Queens’ College  
**PREVIOUS UNIVERSITIES:** United States Naval Academy

I’m studying computer science and computational fluid dynamics during my time by the Cam. I’ll be entering the submarine community in the US Navy when I leave Cambridge, and eventually (hopefully) will become involved with submarine (or aerospace) research and development for the Navy.

**INTERESTS:** I surf, row, and swim. Music interests vary, but anything with instruments is generally fine with me. Atlas Shrugged is my favorite book with The Fountainhead close behind. Anything by Douglas Adams also tops my favorites list. If I could go to school forever my next degrees would be cosmology, theoretical physics, and philosophy, not necessarily in that order.

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**Ms Anna Dolganov**  
**United States**

**COURSE IN CAMBRIDGE:** MPhil in Classical Languages and Literature; King’s College  
**PREVIOUS UNIVERSITIES:** Harvard University

Born and raised in Moscow, Russia. Went to school in the San Francisco Bay Area and college in New England. Studied abroad in Rome, Athens, and Germany. Passionate about places and people, languages (currently 7) and modes of communication. Secretly intend to conquer the world through classical studies.

**INTERESTS**  
Professionally-speaking: Roman and Greek history and literature; the construction of historical narratives. In a less serious vein: dancing (latin et al.), music (classical et al.), languages and literatures, reading for pleasure (the ultimate luxury), theater, beautiful things and people, John Donne, all things *euro*, German classical scholarship (and other masochistic activities), opus reticulatum, independent films, baked brie, Tacitus, early music, international students (and the bizarre experience of actually *being* one this year). Closet passions include: ancient coins, fashion magazines, borscht, Elizabethan history, conversational Latin, and… well, I don’t want to pluck out the whole heart of my mystery, do I? :)

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**Ms Whitney Duim**  
**United States**

**COURSE IN CAMBRIDGE:** MPhil in Chemistry; Wolfson College  
**PREVIOUS UNIVERSITIES:** Harvey Mudd College, Claremont, CA

I am thrilled to be studying at Cambridge this year. I will be conducting research in the laboratory of Dr. Stuart Clarke in colloid and interface science. At Cambridge I look forward to gaining an international perspective on my study of chemistry and meeting students from around the world. After obtaining a chemistry MPhil from Cambridge I will attend Stanford University to earn a PhD in chemistry. In the future I hope to become a professor as I love to research and teach.

**INTERESTS:** My interests include chemistry, art history (especially 16-17th century Dutch art), the viola, running, and hiking. I hope to join a chamber music group, visit many art museums, and try new sports during my time at Cambridge!

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**Ms Neemat El Yafi**  
**Lebanon**

**COURSE IN CAMBRIDGE:** MPhil in Real Estate Finance; Queens’ College  
**PREVIOUS UNIVERSITIES:** Lebanese American University

The Gates Scholarship, a lifetime opportunity, a new path into life that was far from being realized without it.

**INTERESTS:** Reading, horse-back riding, Shopping, Travelling.
Mr Fernan Federici
Argentina

COURSE IN CAMBRIDGE:
PhD in Plant Sciences; St Edmund’s College

PREVIOUS UNIVERSITIES:
Universidad Catolica de Chile
Universidad Nacional de Cuyo (Argentina)

I have chosen to investigate Cell Development in Plants. The aim of this project is to contribute to better understand the genetic and cellular interactions that control this phenomenon. I have chosen Cambridge because not only it is one of the oldest educative institutions of Europe and with the greater prestige in the world, but also because gives a complete and integral formation to their students. I’m also very grateful to the Gates Cambridge Trust for their financial support of my PhD.

INTERESTS:
Football (to play and watch C.A.Boca Juniors), Fly Fishing, Tennis, Outdoor…and Science

Mr Szilard Fejer
Romania

COURSE IN CAMBRIDGE:
PhD in Chemistry; Downing College

PREVIOUS UNIVERSITIES:
University of Szeged, Szeged, Hungary

Computational chemistry is becoming a more and more powerful tool for chemists as time goes by. One “mistery” of particular interest, which can be very well investigated with the help of computational chemistry is the century old problem of protein folding. I am very excited to do research in this field in Cambridge, and I’m sure my experiences gained during these years will last for a lifetime.

INTERESTS:
General stuff like biking, movies, travelling; most of the time I play the guitar or the piano when I’m not near a computer or sleeping.

Mr Dustin McKinley Frazier
United States

COURSE IN CAMBRIDGE:
PhDMP in Anglo-Saxon, Norse and Celtic; Darwin College

PREVIOUS UNIVERSITIES:
Bethany College

For me, one of the most interesting and exciting things in life is learning how different people view themselves. Within my field, I will study the interrelationship of knowledge, learning and cultural identity; also, the role of individuals in shaping personal and collective self-awareness. From there, I hope to extend my study forward into the ways that innovations in knowledge transmission and application continue to shape ever-changing concepts of individual and group identity.

INTERESTS:
Theatre, music, Africana, all things LGBT, indy movies, books, travel, writing, wandering, quotes, photography, nature.

Mr Hans Friedrichsen
United States

COURSE IN CAMBRIDGE:
MPhil in Biological Sciences; St. Edmund’s College

PREVIOUS UNIVERSITIES:
University of Iowa

I grew up on a farm in Iowa with my parents, younger brother, and plenty of animals – pets and otherwise. In high school I became interested in medicine, and this interest has since expanded to include research. After finishing undergraduate work in 2004, I began studying neurodegeneration in Iowa City and St. Louis, and I am quite excited to have the opportunity to continue studying this topic at Cambridge. Next fall I plan to return to St. Louis to pursue an MD/PhD at Washington University.

INTERESTS:
My interests include music (piano, organ, percussion), any and all games and sports (chess, poker, soccer, ultimate, table tennis), and the outdoors (travel, backpacking, camping).
Mr Phillip John Geheb
United States

COURSE IN CAMBRIDGE:
MPhil in Modern Society and Global Transformations; St John’s College

PREVIOUS UNIVERSITIES:
Saint Joseph’s University
University of Pennsylvania

My name is Phill and I am from the US. I have spent the last two years as a Teach for America corp member in North Philadelphia. I have recently become married to my lovely wife Sarah. Plan on studying educational sociology and the economy’s effect on schools and educational systems.

INTERESTS:
Educational Theory, Sociology, Science Fiction, Ultimate Frisbee, American Football, Baseball, Volleyball, Hiking, Travel, politics, hanging out with my wife.

Ms Elizabeth Erin Gray
United States

COURSE IN CAMBRIDGE:
MSc in Pathology; Churchill College

PREVIOUS UNIVERSITIES:
University of Washington

I will be working towards a MSc in Pathology with Dr. Nick Coleman, who is studying the progression of HPV-mediated cervical neoplasia. I am interested in examining the specific chromosomal imbalances that occur in cervical carcinogenesis and the resulting changes in gene expression. This work will prepare me for a career as a professor and research scientist. In this field, I hope to increase our understanding of cancer and inspire young biologists to pursue this intriguing field.

INTERESTS:
I love running and am hoping to run a marathon in 2006. I also enjoy reading, discussing politics with friends, traveling, and baking (preferably something with chocolate in it!).

Mr Alastair William Green
United States

COURSE IN CAMBRIDGE:
MPhil in Economics; Pembroke College

PREVIOUS UNIVERSITIES:
University of Pennsylvania

In the future, I hope to work in development projects for communities in Muslim Africa. As an undergraduate, I studied development primarily from social and humanitarian perspectives, and I hope that the Cambridge MPhil will help me to better understand development from the point of view of economics. After leaving Cambridge, I plan on becoming involved in development efforts through either the private sector or an international aid agency.

INTERESTS:
I enjoy playing squash, working out, and downhill skiing. I also like to travel, SCUBA dive, play the guitar and piano, and watch ‘Law and Order.’

Mr Daniel Greenfield
Australia

COURSE IN CAMBRIDGE:
PhD in Computer Science; Trinity Hall

PREVIOUS UNIVERSITIES:
University of New South Wales
University of Illinois, Urbana-Champaign (exchange)

As part of the Cambridge-MIT Alliance in Pervasive Computing, I am excited to be working with some of the best researchers in this field. As transistors shrink, communication becomes a major bottleneck to performance. My research concerns Networks-on-Chip for communication-limited VLSI. As a big believer in the cross-pollination of ideas, even from seemingly far-flung fields, I look forward to many fascinating discussions, as well as close friendships, in the Gates Cambridge Community.

INTERESTS:
Ms Melinda Griffiths  
South Africa

**COURSE IN CAMBRIDGE:**  
MPhil in BioScience Enterprise; Wolfson College

**PREVIOUS UNIVERSITIES:**  
University of Cape Town

I am from Cape Town, South Africa and completed my honours degree in Cell Biology at the University of Cape Town. Looking to apply my molecular biology background in the Biotechnology industry, I decided that the BioScience Enterprise course at Cambridge would provide an excellent practical training at the interface of the science and business worlds. My future plans are to return to South Africa in order to study further and hopefully one day start my own biotech company.

Mr Dirk-Hinrich Haar  
Germany

**COURSE IN CAMBRIDGE:**  
M.Phil in Criminology; Selwyn College

**PREVIOUS UNIVERSITIES:**  
Universität Konstanz, Diplom 2005  
Institut d’Etudes Politiques de Paris  
Universität Leipzig

My focus is on “better” criminal policy in a double sense: To address more efficiently crime as a major concern of people in many countries, and to free resources and sympathy for human rights and equal protection. Beyond contributing to policy design, I am also willing to engage in the struggles of its application. Unique in diversity and excellence, the Institute of Criminology will provide me with the necessary foundations. Being a Gates scholar will inspire and motivate me further.

Mr Joel Andrew Halcomb  
United States

**COURSE IN CAMBRIDGE:**  
MPhil in Early Modern History; Selwyn College

**PREVIOUS UNIVERSITIES:**  
Oklahoma State University  
York University

I was born in Texas, lived in the deep south, and graduated from Oklahoma State University with degrees in mathematics and history. Here at Cambridge I will be studying early modern history, with an emphasis on religion.

Miss Deborah Hayden  
United States

**COURSE IN CAMBRIDGE:**  
PhD in Anglo-Saxon, Norse and Celtic; Hughes Hall

**PREVIOUS UNIVERSITIES:**  
Cambridge University, B.A. Affiliated ASNaC 2005  
Wellesley College, B.A. 2003

My PhD research will focus on the evolution of linguistic study and thought in medieval Ireland, and will aim to explore the broader questions of language use and acquisition through a textual medium. Ultimately I hope to use my experience at Cambridge to pursue a career in teaching and research.

**INTERESTS:**  
Music (of all sorts, but especially playing horn and fiddle), literature, languages, travel.
2005–06

Ms Jin He  
China

**COURSE IN CAMBRIDGE:**  
PhD in Second Language Education;  
St John’s College

**PREVIOUS UNIVERSITIES:**  
Cambridge University MPhil  
Southwest China Normal University BA

My field of research is Second Language Education, which I have pursued for over 10 years. However, I am also extremely interested in early education, educational policy-making and management. My career goal is to become a professional educator and help improve education in my home country. I am very glad to be able to conduct further research at Cambridge and I would particularly like to extend my thanks to the Gates Trust for generously sponsoring my study at Cambridge.

**INTERESTS:**  
Reading, trekking, music, history, social work in improving education at depressed areas.

Ms Ashleigh Nicole Hildebrand  
United States

**COURSE IN CAMBRIDGE:**  
MPhil in Environmental Policy; Trinity College

**PREVIOUS UNIVERSITIES:**  
Oklahoma State University

Though chemical engineers have great potential to impart harm or good to the environment, their education in the United States is sadly devoid of environmental issues. I intend to incorporate vital environmental perspectives – ethical, political, and scientific – into curricula through a career as a professor of chemical engineering. The MPhil in Environmental Policy I will pursue at Cambridge will provide me with the knowledge necessary to catalyze this change while informing my own research.

**INTERESTS:**  
While meeting and getting to know people is my greatest hobby, I also love reading important books, discussing politics and philosophy, film and theatre, cooking, travel and adventure, photography, and the requisite coffee and good beer.

Ms Ling-Yan Hung  
Hong Kong

**COURSE IN CAMBRIDGE:**  
PhD in Theoretical Physics; Peterhouse College

**PREVIOUS UNIVERSITIES:**  
CASM, Cambridge University 2004-05  
BA (Physics), Oxford University 2001-04

I am a Theoretical Physics student. I have always aspired to understand the most fundamental laws governing Nature and so I am now working on String Theory. May I express my gratitude to the Gates Trust for granting me this invaluable opportunity to realize my childhood dream.

**INTERESTS:**  
Reading, soccer, cantonese opera.

Mr Anthony Hylick  
United States

**COURSE IN CAMBRIDGE:**  
PhD in Computer Science; Churchill College

**PREVIOUS UNIVERSITIES:**  
Georgia Institute of Technology, Atlanta, GA, USA

I am from Warner Robins, GA, United States of America, and I completed my undergraduate curriculum (B.S. Computer Engineering 2005) at the Georgia Institute of Technology in Atlanta, GA. My current research interests include reconfigurable computer architecture design and computer hardware and electronic hardware design. I love basketball, baseball, being outdoors and relaxing. My future plans are to complete my Ph.D. and become a Senior Design Engineer for computer architecture development.

**INTERESTS:**  
Enjoying my first time in the UK and Europe, sports, food, friends, and life. Relaxing and remembering what is important in life.
Mr Isaac Idun-Arkhurst  
Ghana

**COURSE IN CAMBRIDGE:**  
MPhil/PhD in International Relations;  
St. John’s College

**PREVIOUS UNIVERSITIES:**  
University of Ghana

At Cambridge, I hope to ultimately complete a PhD on why greater integration of many African economies into the world trading system, rather than spurring growth and development, seems to be constraining national development aspirations and deepening the crisis of underdevelopment. I hope to pursue a career as an academic and a policy-maker in development and foreign economic policy.

**INTERESTS:**  
Volleyball, football, creative writing, rhetoric and culture, politics.

Miss Analia Veronica Jaimovich  
Argentina

**COURSE IN CAMBRIDGE:**  
MPhil in Politics, Democracy and Education;  
Christ’s College

**PREVIOUS UNIVERSITIES:**  
Facultad Latinoamericana de Cs Sociales (FLACSO): Specialist (Educational Policies) 2003-2005  
Universidad de Buenos Aires (Argentina):  
BA (Educational Sciences) 1997-2003

I plan to specialize in the field of politics and public policies in education, with an emphasis on decentralization, participatory school management and school autonomy policies. I am specifically interested in analysing the multiple ways of civic engagement in local public affairs promoted by such policies. I expect to develop a relationship between academic research and policy making and get involved in high decision making processes in order to strengthen local democratic institutions.

**INTERESTS:**  
Educational policies, participatory school management. Hobbies: oil painting and tango dancing.

Ms Tala Jarjour  
Syria

**COURSE IN CAMBRIDGE:**  
PhD in Ethnomusicology; Trinity Hall

**PREVIOUS UNIVERSITIES:**  
University of Cambridge 2004-2005  
Ohio University 1999-2002  
Higher Institute of Music in Damascus 1992-1997

I look forward to being part of the Gates scholars student body in Cambridge.

**INTERESTS:**  
Hiking, Music.

Mr Seevaratnam Jegandan  
Sri Lanka

**COURSE IN CAMBRIDGE:**  
PhD in Engineering; Churchill College

**PREVIOUS UNIVERSITIES:**  
University of Moratuwa

My undergraduate research was in the area of soft soil stabilization by deep mixing method (DMM). I have worked mostly with Sriankan soft soil and local binders. In Cambridge, I will extend this research by working with Dr.Abir Al Tabbaa. My PhD will focus specially on the role of novel binders used in soil improvement purposes. I hope that my research will give some new insight about how to achieve optimum strength from different types of binders and the required field conditions for it.

**INTERESTS:**  
I enjoy music, sports, traveling, reading, hanging out with friends. I love to meet new friends from all parts of the world.
Mr Nicholas Johnson  
United States  

**COURSE IN CAMBRIDGE:**  
PhD in Chemistry; Churchill College  

**PREVIOUS UNIVERSITIES:**  
Texas Tech University

At Cambridge, I look forward to the challenge of world class research projects while bridging scientific disciplines. With this in mind, I plan to work with DNA influenced by electric fields for my PhD project. Upon completion of my degree, I expect to continue working in a research capacity either in academia or industry. Specifically, I hope to be involved in the medical fields and create novel solutions to medical problems plaguing the world today.

**INTERESTS:**  
I like to challenge the body as well as the mind. I enjoy endurance sports such as marathon running and long distance triathlons. I am also excited by long distance backpacking trips and spending time outdoors. To relax, I prefer golf, and I look forward to playing some of the storied links in the UK.

Ms Rebecca Johnston  
Australia  

**COURSE IN CAMBRIDGE:**  
PhD in Astrophysics; Peterhouse  

**PREVIOUS UNIVERSITIES:**  
University of Sydney:  
BSc (Physics and Mathematics)

My research will be motivated by some of the most fundamental questions in science: how did our universe form, why does it look like it does, and what is its ultimate fate? Specifically, I’ll be looking at how fluctuations in the early universe grew and evolved, acting as primordial ‘seeds’ for the large scale structure we see in the universe today. In Cambridge, I’m looking forward to joining the Gates community, and to beginning what I hope will be a diverse and challenging career in research.

**INTERESTS:**  
Writing and literature; films, drawing, and singing. I can’t wait to try rowing at Cambridge.

Ms Rebecca Jones  
United States  

**COURSE IN CAMBRIDGE:**  
MPhil in Psychiatry; Newnham College  

**PREVIOUS UNIVERSITIES:**  
Princeton University

I am so grateful for the opportunity to study at Cambridge this year. My focus is to help individuals with mental disorders and conduct research on the brain. My research aims to understand how information is processed in the brain by individuals with Autism Spectrum Disorders. Specifically, using fMRI techniques, I will examine whether teaching emotion recognition via a computer game will alter brain responses in individuals affected by Autism.

**INTERESTS:**  
I enjoy yoga, reading, learning about and drinking wine, skiing, tennis and running.

Ms Izabela Kisilowska  
Poland  

**COURSE IN CAMBRIDGE:**  
PhD in Social and Political Science; Peterhouse  

**PREVIOUS UNIVERSITIES:**  
Yale University (Visiting assistant in research)  
Freie-Universität Berlin (Erasmus scholar)  
Warsaw University (M.A. in political science)

So far my student life has been a lot of fun both in and outside the classroom. Parallel to studying on both sides of the Atlantic, I’ve run a vigorous student association, managed a nationwide project on European integration and established a monthly for the youth. Thanks to the Gates Scholarship I will be able to engage in intensive research on social sacrifices made in extraordinary situations. Pursuing this project in Cambridge’s unique multicultural environment will be a great adventure.

**INTERESTS:**  
Travelling, skiing and photographing social diversity.
### Mr Sebastian Klinge
**Germany**

**COURSE IN CAMBRIDGE:**
PhD in Biochemistry; Clare College

**PREVIOUS UNIVERSITIES:**
University of Cambridge

During cellular division, DNA needs to be replicated and distributed into two daughter cells. My studies in Cambridge will focus on factors, which are required to trigger the initiation of DNA replication. The characterisation of these initiation factors will help to understand the molecular basis of this process in normal and cancerous cells.

**INTERESTS:**
Music (cello), independent cinema and art.

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### Ms Svitlana A. Kobzar
**Ukraine**

**COURSE IN CAMBRIDGE:**
PhD in International Studies; Wolfson College

**PREVIOUS UNIVERSITIES:**
Cambridge University:
MPhil in Contemporary European Studies (2005)  
Alma College: BA in Foreign Service (2004)

I am thrilled to be able to pursue my PhD at the University of Cambridge with many faculty and students specialising in the EU’s external policy. I will research the ‘European Union factor’ that contributes to democratisation in Ukraine. I intend to use my knowledge to facilitate further reforms in Ukraine by promoting the political dialogue among government agencies and organised civil society actors.

**INTERESTS:**
I enjoy spending time with my family and friends, volunteering for non-government organisations, traveling, reading, running, skiing and watching movies.

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### Miss Nidhi Kumra
**India**

**COURSE IN CAMBRIDGE:**
BA (Mathematics); Trinity College

**PREVIOUS UNIVERSITIES:**
St Stephens College, University of Delhi

Mathematics is a language that has redefined me as a person. I look forward to my study at Cambridge and hope to sharpen my analytical and mathematical skills. I want to deepen my understanding of areas like algebra, analysis and probability. I am confident that Cambridge will provide me with a conducive atmosphere for my overall growth. I am optimistic that through the mathematical skills that I attain in the next two years, I can make mathematics more fun and appealing to the future generation.

**INTERESTS:**

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### Miss Carmen Liliana Lacambra-Segura
**Spain**

**COURSE IN CAMBRIDGE:**
PhD in Geography; St Edmund’s College

**PREVIOUS UNIVERSITIES:**
University of Hull, Hull, UK  
Universidad de los Andes, Bogota, Colombia

I am a biologist, most of my experience has been on tropical coastal ecosystems and policy making. I plan to research about the responses of coastal ecosystems to natural disasters.

**INTERESTS:**
Family, conservation, sustainable development, natural disasters, football, scuba diving.
**Ms Juliet Lapidos**
United States

**COURSE IN CAMBRIDGE:**
MPhil in English Studies; Hughes Hall

**PREVIOUS UNIVERSITIES:**
Yale (Davenport College)

I'm studying eighteenth-century British novels. I think I might want to be an academic, but now and then law school comes to mind.

**INTERESTS:**
Architecture, curb your enthusiasm, etymologies.

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**Ms Anna Lopatinskaya**
Russia

**COURSE IN CAMBRIDGE:**
MPhil in English and Applied Linguistics; Fitzwilliam College

**PREVIOUS UNIVERSITIES:**
Moscow State Lomonosov University

I am happy to be awarded a Gates Cambridge Scholarship and to be admitted to the University of Cambridge. I hope to make lifelong friends in this wonderful academic community!

**INTERESTS:**
Reading, contemporary dance.

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**Dr Ramon Maluping**
Philippines

**COURSE IN CAMBRIDGE:**
PhD in Veterinary Medicine (Molecular Microbiology); Sidney Sussex College

**PREVIOUS UNIVERSITIES:**
University of Santiago de Compostela, Spain
Swedish University of Agri. Sciences, Uppsala
University of the Philippines

The occurrence of infectious diseases still remains as one of the major challenges the world has to face. These diseases have not only brought economic losses, but more importantly some had posed great threats to human health. It is my objective that by specializing in molecular microbiology, I can contribute in solving this problem. Being accepted in one of the best universities in the world and winning a very prestigious Gates scholarship have given me great hope in realising this goal.

**INTERESTS:**
Sports (badminton, swimming, table tennis, etc.), Snorkling, Hiking, Camping, Mountain and Rock Climbing, Cycling, Beach Hopping, Travelling, Dancing, Rodeo, Community Immersion and Participation in Voluntary and Non-Government Organizations.

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**Ms Maile Allen Martinez**
United States

**COURSE IN CAMBRIDGE:**
MPhil in European Literature and Culture; St. John’s College

**PREVIOUS UNIVERSITIES:**
Arizona State University (M.Ed, 2005)
Mount Holyoke College (BA, 2003)

After I received a B.A. in Romance Languages from Mount Holyoke College, I joined Teach For America, and dedicated myself to improving the educational prospects of my seventh grade students in Phoenix. My passion for education, literature, learning, and activism prompted me to pursue an MPhil in European Literature at Cambridge, St. John’s College. Ultimately, I aim to earn a PhD in the field, and become a professor, devoting myself to instilling the same passions in my future students.

**INTERESTS:**
Yoga, snowboarding, French, Spanish, hiking, backpacking, camping, music, traveling, film, reading, pilates, vegetarian food.
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<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Ms Nayanika Mathur</td>
<td>India</td>
<td>PhD in Social Anthropology; New Hall</td>
<td>The Institute of Social Sciences (ISS), the Hague; Cambridge University; The Delhi School of Economics, Delhi University; Hindu College, Delhi University</td>
<td>My research interests centre around environmental politics, with a focus on social inequality and natural resource conflicts; environmental movements; and the anthropology of development. I plan to study issues revolving around access to water by probably the most invisible section of India – her rural populace. I, rather immodestly, hope that my doctoral research shall bring to light some aspects of these lives lived in the margins, in the context of control and conflict over natural resources.</td>
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<tr>
<td>Ms Megan Michelle Matthews</td>
<td>United States</td>
<td>MPhil in Geographical Research; New Hall</td>
<td>University of Washington; BA – English Literature (June 2004); Seattle University</td>
<td>I will embark on my MPhil this fall in the Geography Department, where I hope to study Ecuadorian women’s involvement with environmental justice movements. While at Cambridge, I aspire to obtain a PhD in Geography, establish friendships with an amazing group of people and take advantage of Europe’s outrageously low airfares!</td>
</tr>
<tr>
<td>Mr Alex Mauss</td>
<td>Germany</td>
<td>PhD in Developmental Neurobiology; Emmanuel College</td>
<td>University of Cambridge, United Kingdom; Johannes Gutenberg-University Mainz, Germany</td>
<td>One fascinating question in biological sciences is how the brain develops, providing the basis for correct information flow and integration that enables us to think, sense, and feel. My research project will deal with one aspect of this exciting field of investigation, namely how neurons send processes to their synaptic partners in the embryonic CNS to form functional neuronal networks. Hopefully, my work will help to understand pathogenesis of mental conditions in humans.</td>
</tr>
<tr>
<td>Mr Kamiar Mohaddes</td>
<td>Sweden</td>
<td>MPhil in Economics; St. John’s College</td>
<td>University of Warwick</td>
<td>Having recently left a full time paid job as the Deputy President of the University of Warwick Students’ Union, I am really excited to start to work towards a PhD in Economics and I am in particular grateful for having got the opportunity to study at Cambridge. The Economics MPhil program at Cambridge will give me the necessary training and equip me with the necessary tools to advance to the PhD program and then eventually allow me to pursue a career in academia.</td>
</tr>
</tbody>
</table>

**INTERESTS:**

- Ms Nayanika Mathur: Reading, writing, travelling, learning new languages.
- Ms Megan Michelle Matthews: Like any good English major, I have too many interests, including: anything and everything pertaining to environmental studies, dancing (especially Argentine tango), writing & blogging, cycling, walking anywhere and everywhere, watching indie films, having long cultural & political discussions in coffee shops, cooking dynamite vegetarian/vegan food, and equestrian sports (I hope to eek out enough time to join the team at Cambridge).
- Mr Alex Mauss: Outdoor sports (running, hiking, cycling, football), travelling, and playing the guitar.
- Mr Kamiar Mohaddes: Music, sports, movies, travelling, cooking, hanging out with friends, as well as doing volunteering work in the community.
2005–06

Mr Vinit Nagarajan
India

COURSE IN CAMBRIDGE:
MPhil in Finance; Hughes Hall

PREVIOUS UNIVERSITIES:
National Univ. Singapore – Bachelor of Engineering

I'm glad to have the opportunity to study at Cambridge. I'm going to be studying for an M.Phil in Finance at the Judge Institute. Over the next year, I hope to further improve my understanding of finance and the financial markets, meet a lot of interesting people and enjoy the entire Cambridge experience.

INTERESTS:
I love the outdoors and am up for a game of tennis anytime! Cricket being the other sport that I enjoy immensely. Sports apart, reading and travel are my other top interests.

Mr Martial Loth Ndeffo Mbah
Cameroon

COURSE IN CAMBRIDGE:
PtIII in Mathematics; St Edmund’s College

PREVIOUS UNIVERSITIES:
Stellenbosch university (South Africa)
Yaounde 1 university (Cameroon)

Choose instruction instead of silver, knowledge rather than gold. Through knowledge your stores will be filled with rare treasures.

INTERESTS:
Bible, movies, music.

Mr Jonas Neher
Germany

COURSE IN CAMBRIDGE:
PhD in Biochemistry; Darwin College

PREVIOUS UNIVERSITIES:
University of Tuebingen, MSc
Trinity College Dublin
University of Darmstadt

Through my research I hope to help elucidate the biochemical basis of neurological diseases – especially the processes involved in neurodegeneration. This knowledge should eventually allow for the development of efficient therapies for these yet untreatable and devastating disorders.

INTERESTS:
Volleyball, playing the flute and saxophone, non-scientific reading, all kinds of music.

Ms Ingrid Nelson
United States

COURSE IN CAMBRIDGE:
MPhil in Geographical Research; Newnham College

PREVIOUS UNIVERSITIES:
Dartmouth College, B.A. in Geography

After researching lawncare in New Hampshire, I am ready for a change of scenery. Although I’m leaving the serene waters of the Connecticut River, I hope to row even faster on the Cam. It is an honor to meet so many brilliant and passionate individuals studying at Cambridge. My research centers on women’s involvement in a proposed dam project in Mozambique. On rainy days in need of high spirits I hope fellow Gates Scholars will join me in watching numerous clips of The Daily Show.

INTERESTS:
Rowing, Debate, Musical Composition, Hiking, Satire, Maps.
**Dr Virginia Newcombe**  
*Australia*

**COURSE IN CAMBRIDGE:**  
PhD in Medicine; Wolfson College

**PREVIOUS UNIVERSITIES:**  
Cambridge University, MPhil (Epidemiology, 2005)  
University of Queensland, MBBS (2001)  
University of New South Wales, BSc (1998)

My PhD project involves using diffusion weighted tensor imaging to demonstrate the incidence, time course, and clinical correlates of axonal injury following head trauma.

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**Mr Thai Binh Nguyen**  
*Viet Nam*

**COURSE IN CAMBRIDGE:**  
PhD in Radiation Oncology; Fitzwilliam College

**PREVIOUS UNIVERSITIES:**  
Ecole Polytechnique:  
Diploma Engineering (2004)  
Univ. de Paul Sabatier:  
MSc (Medical Physics) (2005)

My research focuses on methods for optimization of intensity modulated radiation therapy where the planning target volume extends into the build up region. I believe that this type of advanced technique in radiation therapy can improve significantly cancer patient’s life. Studying at the prestigious universities of Ecole Polytechnique (X) in France and the University of Cambridge in England will help me in building bridges between Vietnamese researchers and other researchers all over the world.

**INTERESTS:**  
Golf, football, table tennis, walking … I enjoy traveling and my next continent will be Africa.

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**Ms Sarah Nouwen**  
*The Netherlands*

**COURSE IN CAMBRIDGE:**  
PhD in International Law; Emmanuel College

**PREVIOUS UNIVERSITIES:**  
University of Cambridge, MPhil International Relations  
Utrecht University, LLM Dutch private law and international law

Working experiences in international organisations (UN), NGOs (Plan Senegal, teaching in South Africa), the Dutch Ministry for Foreign Affairs and a law firm in Paris confirmed my passion for international law. It also revealed a fascination for the interaction between international law and politics. After obtaining an LLM I decided to read international relations in Cambridge. In the PhD I hope to combine the two studies in a thesis on the role of various types of international criminal courts.

**INTERESTS:**  
International law and politics, literature, hiking, CISV.

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**Mr Mikkel Zahle Oestergaard**  
*Denmark*

**COURSE IN CAMBRIDGE:**  
PhD in Genetic Epidemiology; Clare Hall

**PREVIOUS UNIVERSITIES:**  
Clare Hall, Cambridge: MPhil Epidemiology (2005)  
University of Copenhagen: BSc Biochemistry (2003)

2004–05 was an excellent year in Cambridge, both socially and academically. After my MPhil I now look forward to three more years in Cambridge for my PhD. The project is in whole-genome analysis and focuses on the implementation of methods to search for disease susceptibility alleles.

**INTERESTS:**  
Travel, sports (e.g. running, rowing), literature, nature and scuba diving.
2005–06

Mr Ariejeet Pal
India

COURSE IN CAMBRIDGE:
B. A. (Hons) in Natural Sciences; Christ's College

PREVIOUS UNIVERSITIES:
St. Stephen's College, University of Delhi, India

Life is full of surprises and it is this spontaneity which has always attracted me to what the future holds for me. I am looking forward to my stay in Cambridge as an opportunity to expand my vision not just in physics but other aspects of life.

INTERESTS:
Passions — Physics, Theatre, travelling & meeting people, food. Interests — Indian Classical Music, playing soccer, cricket or any outdoor team-sport.

Ms Xiaohan Pan
China

COURSE IN CAMBRIDGE:
PhD in Biotechnology; Downing College

PREVIOUS UNIVERSITIES:
Zhejiang University, BS of Biomedical Engineering
National University of Singapore, Exchange

My interest in biotechnology goes back to my high school years when I was an active member in school's Biology Team. I wish someday in the future I could lead a research group in discovering and developing new treatments and instruments for diagnosing / curing human diseases. And if possible, I would also be very interested in setting up a company that converts new discoveries and developments in the lab into tangible medical products available to average people to improve their lives.

INTERESTS:
I love volleyball, very much. I believed I am good at it when I was in high school. The evidence is that I was honoured being selected to be the Captain of Shaoshing High School Woman Volleyball Team, and the best result of our team is gaining the No.2 position in our city tournament!!! Of course, you can guess there are not many teams in our city…Not two, anyway :) Besides, I am also quite interested in many kinds of sports, like aerobics, ping-pang, swimming, etc. Meanwhile, I am keen of any things involved rhythm, though my voice is too bad to be tolerated, like dancing, playing piano and playing waist drum are all of my favorites.

Mr James Park
United States

COURSE IN CAMBRIDGE:
MPhil in Computational Biology; St John's College

PREVIOUS UNIVERSITIES:
Yale School of Medicine
Harvard College
Stuyvesant High School

Before living in New Haven, CT, I've lived in Boston, New York, and Phoenix. I'm taking a leave of absence from Yale MD-PhD, where I studied the role of Nogo Receptor in Alzheimer's Disease. At Cambridge, I will pursue an MPhil modeling Nogo Receptor interactions with its ligands. In addition to starting a residency in neurology, my goal is to start or work for a non-profit pharmaceutical company.

INTERESTS:
Hanging out with friends, volunteering, reading, writing, traveling (ghana and costa rica are heavy favorites and in the works), running (participating in 1⁄2 marathons and triathlons), rollerblading, learning guitar, tinkering with computers, learning chess (uh...actually productively wasting time on the internet), talking about economics, policy & politics, debating, lifting, sailing (uh...actually occasionally capsizing to get a swim), cooking (uh...actually eating whatever's been made), hiking, climbing, and meeting new people.

Miss Irene Peano
Italy

COURSE IN CAMBRIDGE:
MPhil in Social Anthropological Research; King's College

PREVIOUS UNIVERSITIES:

My research shall focus on issues of gender, sexuality and the body in the context of sex workers trafficking from Nigeria to Italy. I aim at actively contributing not only to anthropological knowledge, but also to more political and social issues related to the lives of these women within a wider social context, in a time when migration and the rights of migrants are becoming a central issue for European and global politics.

INTERESTS:
Travelling, grassroots politics, cinema, art.
2005–06

Miss Tammy Pearl
South Africa

COURSE IN CAMBRIDGE:
MPhil in Biochemistry; St Johns’ College

PREVIOUS UNIVERSITIES:
The University of the Witwatersrand

My mother calls me painful and messy. I prefer to say that I am inquisitive and creative. I find the molecular pathways that govern life miraculous and so, surprise, I am doing my MPhil in biochemistry. My family hopes I’ll come out of Cambridge a well spoken posh lady, I am hoping for a lot more (I think I am already a well spoken posh lady... hehe).

Mr Carl Pfendner
United States

COURSE IN CAMBRIDGE:
MPhil in Theology and Religious Studies; Peterhouse

PREVIOUS UNIVERSITIES:
University of Pennsylvania

Having spent a good deal of my time working on solid state and high energy physics over the past four years, I’m looking forward to working on a more humanities oriented subject (religious studies). I am primarily interested in the connection between science, religion, and philosophy and what makes them so opposed to each other in the public eye, especially in the U.S. I am also interested in the early development of Christianity and its connections to pre-Christian Classical thought.

Ms Laura Beatriz Porro
United States

COURSE IN CAMBRIDGE:
PhD in Palaeobiology; Selwyn College

PREVIOUS UNIVERSITIES:
University of Illinois at Chicago
Eastern Illinois University (summer course only)

It is a true honor to have received a Gates Cambridge Scholarship. Pursuing my PhD at Cambridge is the opportunity of a lifetime and I am excited to join such an interesting and diverse group of people. I am working in the Earth Sciences department using finite element analysis (FEA) to shed greater understanding on skull function and feeding strategy in basal ornithischians, an early group of herbivorous dinosaurs.

Mr Towfique Raj
United States

COURSE IN CAMBRIDGE:
PhD Genetics (Bioinformatics); St John’s College

PREVIOUS UNIVERSITIES:

I aspire to be part of new generation of research professionals who will use genomic technology to develop novel computational approaches to diagnostics, diagnostics and treatment of diseases. My research will focus on the genetic variation in the human population and its contribution to disease. A Ph.D. from Cambridge with the resources of Gates Scholarship will allow me to fulfill not only my career goal of becoming a scientist but also my dream of using my career to benefit humanity.

INTERESTS:
Public health for the developing world, infectious disease, human genetic variation, and computational genomics. Reading (autobiographies and philosophy of religion), traveling, long walks, exploring new culture, dancing, music (my favorite is classical), basketball, soccer, would like to learn cricket.
Ms Rebecca
Rancourt
United States

COURSE IN CAMBRIDGE:
PhD in Anatomy; Darwin College

PREVIOUS UNIVERSITIES:
Syracuse University

I am looking forward to the adventure that lies ahead in jolly old England. My greatest feat will be remembering to look the opposite way when crossing the street. I am excited to do research in the fascinating field of Epigenetics. There can be a million reasons not to try something new...You just need one great reason to begin!

Mr Paul
Rhatigan
United States

COURSE IN CAMBRIDGE:
PhD in Engineering; Churchill College

PREVIOUS UNIVERSITIES:
University of Cambridge
University of Arizona

My work in the Nanoscience Centre focuses on a novel method to study the electrical properties of DNA using nanofabrication techniques. Continuing this research in my PhD could lead to the development of genetic biosensors or other medical applications.

Mr Maxime
Riché
France

COURSE IN CAMBRIDGE:
MPhil in Bioscience Enterprise; Hughes Hall

PREVIOUS UNIVERSITIES:
Columbia University, New York
École Centrale de Lyon

I aim at taking part to the establishment of new technologies and policies in the field of Health and Environment in Europe, and especially further the links between France and England in these areas. Biotechnology issues will be at the core of both of these domains and will be a major concern for each and everyone of us in coming years.

Mr André
Fernando Sartori
Brazil

COURSE IN CAMBRIDGE:
MPhil in Earth Sciences; Emmanuel College

PREVIOUS UNIVERSITIES:
Universidade de São Paulo:
MSc Zoology (2003)
Licentiate Biology (2002)
BSc Biology (2001)

Studying in an excellent scientific centre such as the University of Cambridge is a one-in-a-life-time opportunity to learn and develop myself professionally as I will work on a daily basis with a leader in my field of interest. Moreover, living abroad for three years and meeting people from all over the world will certainly broaden my horizons and provide me with an insight into several different cultures. I am very grateful to the Gates Cambridge Trust for making this possible.

INTERESTS:
Sports (table tennis, swimming, snorkelling and scuba diving) and music (blues harmonica and guitar player).
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<tr>
<th>Name</th>
<th>Course in Cambridge</th>
<th>Previous Universities</th>
<th>Interests</th>
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</table>
| Mr Flavius Dietrich   | **MPhil in Physics; Wolfson College;**                    | *École Polytechnique: Diplôme d’ingénieur de l’É.P. (2005)*  
*Universität Karlsruhe: Vordiplom (2002)* | After having studied 2½ years in Germany and 2½ years in France, I am excited about the upcoming time in England. The Gates Cambridge Scholarship will allow me to study in one of the world’s most famous physics departments. Being part of the Gates Scholars community will give me the possibility to meet interesting and diverse people from all around the world. I enjoy all kinds of sports (fencing, tennis, basketball, …), travelling, and languages (right now I am working on Portuguese). |
| Octavian Schackert    | **COURSE IN CAMBRIDGE:**                                   |                                                                                        |                                                                           |
| Germany               | **PREVIOUS UNIVERSITIES:**                                 |                                                                                        |                                                                           |
| Ms Lina Onile Sestokas| **MPhil in Biological Sciences; Emmanuel College**        | *Harvard University*                                                                    | Intraoperative neurophysiological monitoring, face-recognition deficits, reading, dancing, traveling, snowboarding, Lithuanian cultural activities. |
| United States         | **COURSE IN CAMBRIDGE:**                                   |                                                                                        |                                                                           |
| Ms Leda Smith         | **MPhil in Quaternary Science; Newnham College**          | *Middlebury College*                                                                    | Paleoeoclogy of Beringia, specifically the botany, at the end of the last ice age in hopes of learning its effects on all of the other interrelated systems in place at the time. Hiking, climbing, walking, arctic/alpine botany, SCUBA, poetry, farming. |
| United States         | **COURSE IN CAMBRIDGE:**                                   |                                                                                        |                                                                           |
| Ms Erin Snider        | **PhD in Social and Political Sciences; Trinity College** | *MSc, School of Oriental and African Studies (SOAS)*  
*BA, James Madison University* | I’ve always been fascinated by politics and international affairs, particularly Middle Eastern and Central Asian politics. I’m also interested in sustainable development issues, and humanitarian demining after working on the landmine issue for several years. Other interests include photography, music, travel, cooking (noble attempts at it anyway!), writing, films (especially Bollywood), and copious amounts of coffee. |
<p>| United States         | <strong>COURSE IN CAMBRIDGE:</strong>                                   |                                                                                        |                                                                           |</p>
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<tbody>
<tr>
<td>Ms Buntarika Somboonsub</td>
<td>Thailand</td>
<td>Master of Law, Trinity Hall</td>
<td>Chulalongkorn University, Thailand</td>
<td>Reading (of course, not a law textbook), swimming (as long as it’s warm)</td>
</tr>
<tr>
<td>Mr Spyridon Sotiriadis</td>
<td>Greece</td>
<td>Certificate of Advanced Study in Mathematics; Robinson College</td>
<td>University of Athens</td>
<td>Music, computers, cycling, painting.</td>
</tr>
<tr>
<td>Ms Uta Katharina Staiger</td>
<td>Germany</td>
<td>PhD in European Literature (Dept. of German); King’s College</td>
<td>University of Cambridge: MPhil European Literature (2002)\nUniversity of Edinburgh: MA (Hons.) English Literature (2001)</td>
<td>Languages, travel, sports, cultural management, policies &amp; cooperation.</td>
</tr>
<tr>
<td>Mr Oliver Stegle</td>
<td>Germany</td>
<td>PhD in Physics; St. Edmund’s College</td>
<td>University of Freiburg\nSwiss Federal Institute of Technology</td>
<td>Music (playing guitar), sports (skiing, squash, …), travelling and any kind of social activity :)</td>
</tr>
</tbody>
</table>
**Ms Federica Sulas**  
Italy  

**COURSE IN CAMBRIDGE:**  
PhD in Archaeology; Gonville & Caius College  

**PREVIOUS UNIVERSITIES:**  
University of Cambridge, MPhil (2005)  
Istituto Universitario Orientale di Napoli, BA (Hons.) (2003)  

I intend to pursue a PhD in Geoarchaeology. My goal is to investigate the landscape history of the Aksum region, northern Ethiopia, and to examine the human-environment relationship through a long-term perspective. I see my research placed within a broader trend which explicitly aims to contribute through the archaeological data to help inform contemporary debates regarding risk assessment and sustainable development in Africa.  

**INTERESTS:**  
Swimming, snorkelling, scuba diving, travelling...long-lasting dinners with old friends.

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**Mr Danu Suwatchara**  
Thailand  

**COURSE IN CAMBRIDGE:**  
MPhil in Advanced Chemical Engineering; St Edmund’s College  

**PREVIOUS UNIVERSITIES:**  
University College London  
University of Essex  
University of Toronto  

I plan to complete my MPhil in Advanced Chemical Engineering Practise without having to extend it over to the next academical year. Meanwhile, I would enjoy and cultivate much experience from the vast spectrum of extra-curricular activities and the rich culture, uniquely present in Cambridge. I am a member of the Graduate Christian Union, Thai Society and St.Edmund’s Music Society, and plan to participate actively.

**INTERESTS:**  
Playing the classical guitar  
Listening to music  
Reading comics  
Computer games  
Football

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**Mr Alireza Taheri**  
Canada  

**COURSE IN CAMBRIDGE:**  
PhD in History and Philosophy of Science; Darwin College  

**PREVIOUS UNIVERSITIES:**  
University College London  
University of Essex  
University of Toronto  

The focus of my PhD will on the origins of the feeling of guilt. I will look at this question from philosophical and psychoanalytic sources mainly in the works of Nietzsche, Freud and Lacan. After I complete my research I would like to pursue a career as a university professor as well as a psychoanalyst where I can put my acquired knowledge to use in helping others.

**INTERESTS:**  
Psychoanalysis Philosophy Chess Math/ Logic puzzles Running, Cycling, swimming Yoga.

---

**Mr Robert Tonita**  
Canada  

**COURSE IN CAMBRIDGE:**  
PhD in Control Engineering; Hughes Hall  

**PREVIOUS UNIVERSITIES:**  
University of Waterloo  
Applied Science  

My area of study is control theory, my research is motivated by finding pragmatic results that lend themselves to applications for mainly engineering systems but also interdisciplinary fields such as biology and economics.

**INTERESTS:**  
Sports, politics, people and travel.
2005–06

Mr Laur Vallikivi
Estonia

COURSE IN CAMBRIDGE:
PhD in Polar Studies; King’s College

PREVIOUS UNIVERSITIES:
University of Tartu, Estonia
MA 2004 in Ethnology
BA 2001 in Ethnology

I am doing a PhD in Polar Studies with a focus on the religious conversion of Arctic reindeer-herders in Russia. While in Cambridge, I hope to develop my expertise in social anthropology for contributing to the development of the discipline at home.

INTERESTS:
Travel, hiking, cycling, swimming, animal ecology, art history.

Mr Brady Wagoner
United States

COURSE IN CAMBRIDGE:
PhD in Social and Politic Sciences; Corpus Christi College

PREVIOUS UNIVERSITIES:
University of Cambridge: MPhil
Clark University: BA (Phil and Psyc)

I am interested in how culture is transformed as it passes from one individual or social group to another (like the game of “chinese whispers”) – e.g. why do two different societies remember the same news event in vastly different ways? I hope to better understand the social nature of mind and the fate of culture in a rapidly changing, global and technological world.

INTERESTS:
The Appreciation of the Beautiful and the Absurd: Mountaineering, travel, art, architecture, philosophy, literature (especially with existential overtones), comparative religion, evolutionary theory, good conversation.

Ms Kuenga Wangmo
Bhutan

COURSE IN CAMBRIDGE:
MPhil in Archaeology; Fitzwilliam College

PREVIOUS UNIVERSITIES:
Harvard College

With the presence of great understanding and freedom in us, we can embrace hardships countless times without fear. – Thich Nhat Hanh. Studying the past makes understanding the present easier. There is no excuse for ignorance and so I hope to learn the best I can while I am at Cambridge. My ultimate passion is Archaeology and nothing would make me more happy than to finally carry out archaeological digs in my country.

INTERESTS:
Reading, Archaeology and Living, I also like playing basketball, doing yoga, travelling and political science.

Ms Anke Weber
Germany

COURSE IN CAMBRIDGE:
PhD in Economics; Emmanuel College

PREVIOUS UNIVERSITIES:
University of Cambridge, MPhil Economics
University of Cambridge, BA Honours Economics

My choice to undertake a PhD in monetary policy is due to my deep interest in the subject and to my future career plans: Upon graduation, I would like to pursue a career as a professional economist in a central bank, such as the European Central Bank. A PhD in monetary policy will equip me with the necessary knowledge, which I hope to be able to use eventually to contribute to the further development of a unified Europe.

INTERESTS:
Rowing, tennis, skiing and playing the piano.
Ms Rebecca Wexler  
United States

**COURSE IN CAMBRIDGE:**  
MPhil in History and Philosophy of Science;  
Wolfson College

**PREVIOUS UNIVERSITIES:**  
Harvard University

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**INTERESTS:**  
My primary academic interest is to investigate the intersections of science and film. Additionally, I am interested in documentary and other film more broadly. I also enjoy playing the violin. I love classical, jazz, and klezmer music as well as running, swimming, yoga, and cycling.

---

Mr Jerrell Whitehead  
United States

**COURSE IN CAMBRIDGE:**  
MPhil in Economic and Social History;  
King’s College

**PREVIOUS UNIVERSITIES:**  
Yale University  
University of Washington (transfer)

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With my entrance into Cambridge and King’s College, my goal for the immediate future is to study obesity and health policy with regard to the minority populations of England. Much like the United States, the obesity epidemic is a severe and growing problem, which makes research on this matter of the highest importance.

**INTERESTS:**  
Dancing, Banana Pancakes, Oatmeal, Bodybuilding, College football, Fine timepieces, Disney movies, Discussing the business of Hollywood, Arguing over sports, FIFA World Cup on Gamecube.

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Mr Diego Winkelried  
Peru

**COURSE IN CAMBRIDGE:**  
PhD in Economics; St John’s College

**PREVIOUS UNIVERSITIES:**  
MPhil Economics, University of Cambridge  
BA Economics, Universidad del Pacífico, Lima-Peru

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My deep interest in social behaviour together with the fact that I come from a developing country, led me to enquire about the ways to overcome the barriers to improve living standards. Realising that economic reasoning helps greatly to solve this puzzle, I decided to pursue a career in Economics. Thanks to the Gates Cambridge Trust I have now the opportunity to refine and expand my expertise on development economics for policy design and to learn among colleagues from a wide cultural spectrum.

**INTERESTS:**  
Economics; Music (Classic rock, latin jazz); Travelling.

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Ms Xiaomin Zhu  
China

**COURSE IN CAMBRIDGE:**  
PhDpg in Engineering; Magdalene College

**PREVIOUS UNIVERSITIES:**  
Tsinghua University  
BSc, MSc (Electrical Engineering)

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Furthering study in my chosen field up to the most advanced level is the best option and a worthwhile move in my path towards a career in engineering research. I hope that through my studies at Cambridge I can step by step reach the summit of my professional career.

**INTERESTS:**  
Travel, swimming, badminton, film, cooking.
The following scholars remain in residence in Cambridge during 2005-06

Mr Salman Ahmed, Christ’s College, Economics; Mr Michal Branicki, Mathematics; Mr Alessio Ciulli, Wolfson College, Chemistry; Mr Kristopher David Coventry, Chem Engg; Mr Timothy John Deegan, Computer Sci; Ms Julia Rebecca Forman, Magdalene College, Chemistry; Ms Sally Louise Gras, Trinity College, Physics; Mr Iman Singh Gurung, Physiology; Mr Xiaobing Hu, Downing College, Mat Sci & Met; Mr Matthew Henry Hutchinson, Chem Engg; Mr Yi Shin Lee, Trinity College, Chinese Studies; Mr Sean McHugh, St John’s College, Chemical Engg; Mr Antonios Pantazis, Churchill College, Anatomy; Ms Hoai Julie Pham, Pembroke College, Hist Studies; Ms Militsa Justine Plavsic, Zoology; Mr Zoltan Radnai, Physics; Mr Walter Herbert Werner Rentzsch, Gonville & Caius College, Engineering; Mr Colin Andrew Russell, Queens’ College, Zoology; Ms Urbasi Sinha, Queens’ College, Mat Sci & Met; Mr Jeffrey M Skopek, Queens’ College, Hist & PhilSciMed; Mr Christopher Wiremu Roy Tooley, Girton College, Education; Mr Murali Karthick Vadivelu, St John’s College, Protein Engg; Mr Jimin Yu, Magdalene College, Earth Sciences.
The following Gates Scholars have completed the tenure of their scholarship:

Mr Rashad Abbassow, Wolfson College, Int Relations; Mr Hisham Abu-Rayya, Wolfson College, Soc & Pol Sci; Mr Michael Andrew Adams, Pembroke College, Engineering; Miss Wendi Jill Adelson, Hughes Hall, Int Relations; Mr Harish Agarwal, Churchill College, Physics; Ms Heather Dawn Agnew, Girton College, Chemistry; Ms Sinead Agnew, Pembroke College, Econ & Soc Hist; Mr Antonio Alberola Catalan, Wolfson College, Chemistry, Mr Gil Alexandrowicz, Gonville and Caius, Physics; Mr Michael Andrew Anderson, Corpus Christi College, Archaeology; Mr Shahzad Mumtaz Ansari, St Edmund's College, Mngmnt Studies; Ms Nuschin Arbabzadah, Pembroke College, Oriental Studs; Mr Nathan Todd Arrington, Peterhouse, Classics; Ms Abena Asante-Poku, Magdalene College, BioSci Enterprise; Mr Andrew David Charles Ashcroft, Wolfson College, Engineering, Mr Chirag Arora, King's College, Crim Research; Miss Lilija Balatovna Bakiyeva, New Hall, Surgery; Mr Louis Angelo Ballezzi, Churchill College, BioSci Enterprise; Mr David Bard, Christ's College, Econ & Dev; Mrs Lina Maria Barrera, Trinity Hall, Environ & Dev; Mr Ankur Barua, Trinity College, Divinity; Ms Nicole Elaine Basta, Homerton College, Epidemiology; Ms Amy Elizabeth Bates, Queens' College, Econ & Dev; Mr Matthew Baumgart, Trinity College, Mathematics; Ms Anna Bayona Font, Girton College, Economics; Mr John Andrew Becker, Corpus Christi College, Earth Sciences; Mr Moritz Yury Wing-Yan Becker, Trinity College, Computer Sci; Mrs Jessica Faith Beckett, Darwin College, Archaeology, Miss Tanweer Beilin, St Edmund's College, Medical Science; Mr Sean Lawrence Aristotle Bennett, Wolfson College, Musicology; Mr Vitor Bernardo Bernardes Pinheiro, Churchill College, Biochemistry; Mr Alexander Justin Bernhardt, Darwin College, Mngmnt Studies; Miss Anne Louise Berry, Wolfson College, Economics; Mr Elvis Beyerlauwey, Wolfson College, Int Studies; Mr Mohit Shankar Bhende, Trinity Hall, Economics; Ms Jovonnie Juanita Bickerstaff, St John's College, Social and Developmental Psychology; Mr Daniel Moffett Birdwhistell, St Edmund's College, Education; Mr Edward Joseph Blocher, Jr, Trinity Hall, Land Economy; Miss Rachel Anne Bortnik, King's College, Biological Sci; Mr Julien Bourdeau, Queens' College, Tech Policy; Ms Laura Garrison Bradford, Peterhouse, Med & Ren Lit; Mr Ryan Brandau, Jesus College, Musicology; Ms Angela Breitenbach, King's College, Hist&Phil osSci; Mr George Alexander Bremer, Gonville & Caius College, History of Art; Mr Peter Breerton, St Edmund's College, Natural Science; Mr Luis Brisenor Roa, Gonville & Caius College, Chemistry; Mr Stijn Broecke, Corpus Christi College, Dev Studies; Mr Nicholas Torleiv Bronn, Churchill College, Mathematics; Mr Joseph Mark Brown, Trinity Hall, Environ & Dev; Miss Esther Marcella MacLeod Bullough, Christ's College, Chemistry; Ms Jessica Bulman, Clare Hall, American Lit; Mr Thomas Butler, Pembroke College, Chemistry; Miss Fatema Caderbhyo, Jesus College, Law; Mr Joseph Robert Califf, St Edmund's College, Biological Anth; Mr Matei Candea, Emmanuel College, Social Anth; Miss Daniela Canestra, Emmanuel College, Zoology; Mr Rodrigo Emesto Caputo, Churchill College, Economics; Ms Cynthia Marie Carver, Queens' College, Mathematics; Ms Eva Casal, St John's College, Biochemistry; Miss Amanda Casto, Darwin College, Genetics; Mr Nilanjun Chakraborty, Trinity College, Engineering; Mr Khi Leok Chan, Peterhouse, Chemistry; Mr Pak Ho Chan, St Edmund's College, Chemistry; Miss Malavika Chandra, St Edmund's College, Natural Science; Mr Daniel Choate, Queens' College, Economics; Mr Semil Choksi, Churchill College, Biological Sci; Mr Zachary David Clpton, Clare College, Int Relations; Miss Amanda Codd, Trinity College, Brain Repair; Mr David Conlon, St John's College, Mathematics; Ms Julie Harkness Cooke, Magdalene College, Law; Ms Kathleen Helen Corriveau, Darwin College, Education; Mr Debayoti Datta, Sidney Sussex College, Biological Sci; Mr Joshua Davidson, Darwin College, Computer Sci; Mr Martin Henry Dawidowicz, Trinity College, Law; Mr Stijn Maria Albert De Schepper, Wolfson College, Geography; Mr Eli Louis Diamond, Darwin College, Hist&PhilSciMed; 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Gates Scholars’ Society: Officers of the Council 2004–05

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Past Gates Scholars become members of the Alumni Association that forms an integral part of the Gates Scholars’ Society. The Alumni Association will keep those who have already completed their time in Cambridge in touch with each other and with future classes. Dr Johnson has asked four scholars from the inaugural year to help with setting up this organisation: Alex Bremner ('01), Pierre Far ('01), Jennifer Gibson ('01) and Andrew Robertson ('01). Over the next year, these four will work with the Trust, the Scholars’ Council and Alumni from all over the globe to design a formal structure for the organisation, ensure accurate contact information is on record for each scholar, plan alumni activities and contribute an Alumni perspective to the current bi-annual scholar newsletter. Most importantly, they will work to ensure that every Alumnus feels as much if not more a part of the Gates community after they leave the walls of Cambridge as they did while they were here with the aim of building a strong and lasting network of future leaders who will work to address many of the global problems, such as health, equity, technology and learning, with which the Bill and Melinda Gates Foundation is deeply engaged.