



INTOUCH

.....
Spring/Summer
2019

THE CULTURE ISSUE

It must have been some time in 1947 when I was 13 that I said to my mother in one of our after school chats over a cup of tea 'One day I'm going to write a book about you'

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OUR COVER STARS

Michael Luck
is Professor of Computer Science and Executive Dean of the Faculty of Natural & Mathematical Sciences at King's. He also works in the Agents and Intelligent Systems group, undertaking research into agent technologies and intelligent systems.

Sabrina Mahfouz
(Classics, 2005) is a playwright, poet, screenwriter and performer who has recently been elected a Fellow of the Royal Society of Literature.

Jonathan Andrews
(English, 2015) is currently completing his training contract at leading law firm Reed Smith. He is extensively involved in raising awareness of autism in employment and wider society.

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Dr Christine Aicardi
is a Senior King's Research Fellow in the Human Brain Project Foresight Laboratory. Prior to joining King's, she was a Wellcome Library Research Fellow.

Maureen Duffy FKC
(English, 1956) is the author of more than 30 published works, covering fiction, non-fiction, poetry and plays. She is President of Honour of the British Copyright Council and a Fellow of King's.

Daniel Peltz OBE FKC
(History, 1982) is the CEO of London Freeholds Ltd. He is a Fellow of King's and received his OBE in 2012 for charitable and philanthropic services.

Munira Mirza
is the Executive Director for Culture at King's. She provides leadership for the King's cultural community and its dedicated Culture team, which includes Science Gallery London. She is the former Deputy Mayor for Culture and Education in London (2008–2016).

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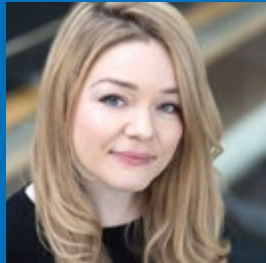
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WELCOME TO *INTOUCH* SPRING/SUMMER 2019 – THE CULTURE ISSUE



The Oxford English Dictionary definition of culture is 'The arts and other manifestations of human intellectual achievement regarded collectively' but also 'The ideas, customs, and social behaviour of a particular people or society'. Both of these definitions resonate highly here at King's. We are home to a rich cultural community, bringing together students, staff and alumni with a diverse range of partner organisations in London and beyond.

To support, strengthen and showcase this community, the university has a specialist Culture team that works across the university to broker, enable and facilitate partnerships that help to achieve the research, education and service ambitions of the cultural community. Partnerships and collaborations across all faculties help to drive innovation and enrich education through original learning opportunities, serving the needs of the cultural sector and, more broadly, of society. Senior Advisory Fellow for Culture, Baroness Deborah Bull, is responsible for the university's imaginative cultural strategy and the team is led by Executive Director for Culture, Munira Mirza. You can meet Munira on page 16, where she takes us 'Inside King's' to explore some of the highlights to emerge from the cultural community at King's over the past year.

On page four we examine the 'King's Impact' of our arts, health and wellbeing work. King's unique approach has connected artists and researchers to explore how engagement with art can benefit patients dealing with a variety of conditions, from stroke to postnatal depression. The impact of this work has been felt by patients and professionals alike, as well as influencing government policy in some areas.

In putting together this issue, it struck me how the King's alumni community has a culture of kindness and compassion that is hard to rival. Whether sharing your time as a mentor or supporting students in crisis through donations to the Hardship Fund, your generosity makes such a difference. You can read just what kind of a difference it makes on page 14, where we meet Isobelle, a third-year Midwifery student who was only able to stay at King's after receiving support from the Fund. When we come together in support of King's students, great things can happen, and for this we are incredibly grateful.

Thank you for reading and we hope you enjoy exploring the cultural aspects of King's in this issue.

Best wishes,

RACHELLE ARTHEY
EDITOR

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Marrying her loves of tech and culture, alumna Olga Kravchenko has found a unique way to encourage children to explore museums.



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LATEST UPDATES

HER ROYAL HIGHNESS THE DUCHESS OF CAMBRIDGE ANNOUNCED AS PATRON OF EVELINA LONDON CHILDREN'S HOSPITAL



The announcement was made as Her Royal Highness visited Evelina London (part of King's Health Partners) alongside the Duke of Cambridge in December 2018. Marian Ridley, Director of Evelina London, says: 'We are hugely proud and honoured The Duchess

of Cambridge has chosen to become our Patron. The Duchess shares our passion for giving children and young people the very best start in life and Her Royal Highness' support will help champion the lifesaving care our staff provide to patients.'

SCIENCE GALLERY LONDON ANNOUNCES ITS NEW EXHIBITION



Science Gallery London at King's opens DARK MATTER on 6 June, running until 26 August 2019. DARK MATTER will examine the fundamental nature of reality – and attempt to make sense of what we deem to be 'real' – through artistic, scientific and philosophical investigation, and research from King's Faculty of Natural & Mathematical Sciences. The exhibition will feature newly commissioned and existing works by a diverse group of international artists (Desire Machine Collective, Andy Holden, Carey Young, Aura Satz, Semiconductor and Enrico Sacchetti), alongside research from Theoretical Physicist Professor Malcolm Fairbairn from King's and the

university's Theoretical Particle Physics & Cosmology Group.

Last chance to see SPARE PARTS

Open until 12 May, SPARE PARTS encourages visitors to explore the themes in the exhibition by getting 'hands-on' and exploring 'The Gut', an immersive experience in the exhibition. Drop by to find out more about tissue grafting by splicing cacti. Learn more about innovations in biotechnology from King's and brush up on your needlework skills by sewing electrodes. Find out more about Science Gallery London and SPARE PARTS, visit:

 london.sciencegallery.com



From left to right: Sandi Toksvig, Amy Lothian, Julie Devonshire OBE, Ed Halliday, Katherine Horsham, Hayley Ard and Ceri Nursaw (NCEE sponsor)

KING'S WINS ENTREPRENEURIAL AWARD AT 'OSCARS OF HIGHER EDUCATION'

King's has been announced as the Outstanding Entrepreneurial University at the Times Higher Education (THE) Awards. Central to the award is the work of King's Entrepreneurship Institute. The Institute supports all King's students, staff and alumni to develop an entrepreneurial mindset, and develop the skills they will need to succeed, whether in their chosen career or building a venture of their own. The Institute also runs the King's20 Accelerator, a year-long programme designed to support King's-founded ventures to reach their full potential. The programme provides unique support from experts in residence, access to investment, leadership growth, space and a supportive

community. The ventures have had huge success and include C the Signs, an app to help diagnose cancer that is now being rolled out by the NHS, Gamely Games, a board games company who pitched on BBC *Dragons' Den*, and Girls United, a social enterprise helping girls gain confidence and leadership skills through football. Founded by King's students, staff and alumni, the ventures have gone on to create new jobs and have a positive impact on society.

Read more

King's20 Accelerator alumna Olga Kravchenko has gone on to run two businesses. She talks to *InTouch* about one of them on page 18.

NATO STATE APPOINTS FIRST FEMALE HEAD OF ARMED FORCES

King's alumna Major General Alenka Ermenc (International Studies, 2008) has been announced as Head of the Slovenian Army.

Promoted to Chief of General Staff, Major General Ermenc is the first woman in a NATO member state to hold this position. Prior to this role, Major General Ermenc had been serving as Deputy Chief of General Staff, which was then the highest military position held by a woman in a NATO member state.



THE ART of wellbeing

There is a growing interest in the ways in which arts and culture can support health and wellbeing. King's and its health partners, Guy's, St Thomas' and King's College Hospital, have long been alert to the benefits of making connections between these fields.

'We are seeing an emerging national commitment to arts, health and wellbeing and King's has a major opportunity to become a global leader in this field,' says Baroness Deborah Bull, Senior Advisory Fellow for Culture and Vice President & Vice-Principal (London). 'Drawing

together King's world-leading resources with strong partnerships across culture and higher education, the university can seize this moment by bringing together the expertise of staff and students to help to tackle inequalities, prevent the onset of illness, support recovery and enable longer lives, better lived through arts-based approaches to health and wellbeing.'

King's distinctive approach to arts and health engages academics, students, patients, carers and healthcare professionals. Arts interventions can



Baroness
Deborah Bull

improve health and wellbeing in participants and help raise awareness of specific health issues amongst the wider public. In this article, we showcase a number of cultural projects led by King's and our health partners.



Items created by *Weaving a New Story* participants. Images courtesy of Dr Tamara Russell and Liz Finegold

WEAVING A NEW STORY

Weaving a New Story explores how mindful textile work can support women with postnatal depression. More than one in ten women experience depression within a year of giving birth. Clinical psychologist Dr Tamara Russell and artist and psychological therapist Liz Finegold collaborated on the initial project, which consisted of 10 mindful sewing sessions for recent mothers with postnatal depression. The sessions combine the focus of mindfulness practice with the creative activity of sewing. The aim is to provide

participants with the self-management tools to alleviate symptoms such as anxiety, low self-esteem and exhaustion. The large quilt created in these sessions was exhibited in Atrium 1 at Guy's Hospital.

Each of the mothers taking part in the workshops completed questionnaires assessing mood, parenting confidence and mindfulness. The results show a significant decrease in depression, with the average postnatal score lying just below the cut-off for postnatal depression.

“ People normally think of arts and crafts in a particular way. Maybe, rather than thinking of what is produced, we should be thinking about the process and conversations it can stir. ”

WEAVING A NEW STORY WORKSHOP PARTICIPANT



COULD DRUMMING IMPROVE BRAIN FUNCTION IN AUTISM?

Autism Spectrum Disorder is a range of similar conditions, including Asperger syndrome, that affect a person's social interaction, communication, interests and behaviour. It affects at least one in a hundred people in the UK. Professor Steven Williams, Head of the Department of Neuroimaging at King's, is interested in drumming as an intervention in brain disorder research. Drumming is a complex activity that encompasses a unique set of physical and mental challenges. Understanding the physical changes in the brains of those learning to drum could help develop important interventions for people with autism and other neurological disorders.

Funded by a grant from The Waterloo Foundation, this latest study focuses on young people with autism. It builds on previous research also funded by The Waterloo Foundation, which showed that a short programme of drum training could lead to changes in brain structure and function associated with autism.

The studies use Magnetic Resonance Imaging (MRI) to detect changes in

“We believe that learning a new physical activity such as drumming will benefit many subjects with impaired motor movement and co-ordination.”

PROFESSOR STEVEN WILLIAMS

participants' brains. Early results are positive, with scans showing that drum training makes visible changes in two areas: the cerebral cortex (the outer layer of the brain comprising three parts: the sensory, motor and association areas) and the cerebellum (which sits below and behind the main part of the brain and also plays an important role in motor function). The hope is that these results can be replicated and used to develop practical interventions that will improve the lives of young people with autism.

Professor Williams says ‘We believe that learning a new physical activity such as drumming will benefit many subjects with impaired motor movement and co-ordination. We hope that our current efforts will inform future endeavours to improve quality of life.’



Stroke Odysseys participants in workshops and performing



“The most amazing thing about the brain is that we never stop learning. Recovery from stroke is possible, and there is hope.”

STROKE ODYSSEYS PROJECT PARTICIPANT

STROKE ODYSSEYS

Stroke Odysseys gives stroke survivors the opportunity to explore their personal narratives. It is a five-year collaboration between the Health Innovation team from Guy's and St Thomas' Charity and Rosetta Life, a health charity that develops arts initiatives to challenge stigma around disability and illness, supported by the university's Culture team.

The programme encouraged patients who have suffered a stroke to explore their stroke stories through song and movement. A series of 12 creative workshops culminated in informal 'sharings' with family and health professionals and, in some instances, public performances.

Participants in the workshops reported greater optimism about

independent living, higher cognitive functioning, greater mobility and communication skills. They also gained a deeper knowledge of the use of dance and the arts as a form of rehabilitation. Many chose to become Stroke Ambassadors, advocating for life after stroke. Speaking about the Stroke Odysseys project, Professor Tony Rudd CBE, Professor of Stroke Medicine at King's says:

‘There are relatively few interventions for people living with stroke to address some of the psychological complications that arise. It would seem that this is an intervention that could be developed and used widely at relatively low cost and great benefit.’

MAKING A DIFFERENCE

The impact of projects like these is beginning to have an effect in the policy arena. King's recently provided the research for a two-year inquiry by the All Party Parliamentary Group on Arts, Health and Wellbeing. The research involved academics, practitioners, service users and policymakers. It resulted in a comprehensive report in 2017, which cited more than 200 practice examples and proposed a range of policy recommendations. The report aims to influence the thinking and practice of health and arts professionals as well as government, to ensure we take advantage of the potential benefits of arts engagement on health and wellbeing.

This is just a snapshot of the wide array of arts, health and wellbeing initiatives being undertaken by King's and our health partners, which we are able to fund through the generosity of individual donors, as well as trusts and grants.

TO READ MORE ABOUT ARTS, HEALTH AND WELLBEING INITIATIVES AT KING'S, VISIT:

alumni.kcl.ac.uk/artofwellbeing



PAYING IT *forward*

Inspired as a teen to pursue a career in law, Malcolm Swift (Law, 1969) overcame many barriers to take his place at King's. With a hard-won degree under his belt, he has gone on to have a legal career most students can only dream of.

Malcolm Swift glimpsed a world he wanted to join from the comfort of his sofa at home in Yorkshire.

'I wanted to pursue a career in law since I saw the television programme *Boyd QC*. I was hooked. I have always loved the English language, public speaking and the art of persuasion. I knew immediately that I wanted to be a barrister.'

But as quickly as he had identified the path he wanted to take, Malcolm found obstacle upon obstacle blocking his way. 'My careers master at school told me not to be so daft. No one from my background could ever be a barrister. I was determined to prove him wrong.' But when none of the initial universities he applied to offered him a place, it looked like his legal career was over before it had even started.

'I thought, "What am I going to do now?" I still wanted to pursue this career, so I did a bit more research on my own. I applied to King's independently of the clearing scheme. I actually rang the Faculty of Law and asked for an interview. My request was granted and I was interviewed by Professor Davies. We talked about what I wanted out of life and eventually he offered me a place. It would never happen these days. I was incredibly lucky.'



This was an opportunity not to be taken for granted and Malcolm knuckled down. He was determined to make the most of his chance, knowing that a law degree from King's was just the stepping stone he needed.

'The lecturers and tutors at King's were simply the best. We were so privileged to have the top experts in their fields. I was also fortunate to be in an outstanding student year group (1966–69) from which many of my fellow graduates went on to greatness. I used to go across to the Royal Courts of Justice and watch cases and see how people did things there. I would go to the Old Bailey to watch trials in action. King's links with Gray's Inn were invaluable. I wanted to be a criminal lawyer so it was an obvious place to join. You had to stand up and speak. You would have people barracking you from the floor. It was the perfect training ground. I learned tolerance and patience. As a barrister, you have to keep in control of your emotional expressions. I learned the art of making sure people want to listen rather than have to listen.'

Malcolm's time at King's served him well and he was called to the Bar in 1970. He took Silk in 1988 and was Leader of the North Eastern Circuit between 1997 and 2001.

‘As someone who is eternally grateful to King's, I simply want to help other students from backgrounds such as mine who might, without financial assistance, be deterred from pursuing a career in law.’

‘My careers master at school told me not to be so daft. No one from my background could ever be a barrister. I was determined to prove him wrong.’

His career has been punctuated by headline-making cases. In 2008, he defended in *R v Iain Davis* (UKHL 36 – the landmark ruling on the use of anonymous witnesses in criminal trials, which reasserted the longstanding common law right that an accused has the right to know the identity of his accuser).

‘I do not think there were any barriers to me pursuing my career after King's. I had support from my Local Authority who gave me a grant for tuition and funding for three years of living expenses. I worked in various jobs to support myself at Bar School. My parents did as much as they could, but they could ill afford to support me.’

Today, the competition to study law at King's is even tougher. And current students face challenges that the generations preceding them did not have to overcome.

'Students graduate with considerable debts which hang over them for years. No student today could enter university by the route I took. This is why I have decided to leave a legacy to King's. I owe my career to King's willingness to think outside the strict admission rules. As someone who is eternally grateful to King's, I simply want to help other students from backgrounds such as mine who might, without financial assistance, be deterred from pursuing a career in law. It would be gratifying for other graduates to join in contributing towards scholarships. They could last for a very long time and benefit many deserving students.'

IF YOU WOULD LIKE TO FIND OUT MORE ABOUT LEAVING A LEGACY TO KING'S, VISIT OR CALL:

 alumni.kcl.ac.uk/give-back/legacy

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THEN & NOW

Writers at work

King's has been the university of choice for some of the world's most renowned writers, from John Keats to Virginia Woolf and Thomas Hardy. What draws an aspiring creative to King's and how does their experience here shape their life and work? We posed these questions, amongst others, to two of our most celebrated writers, Maureen Duffy FKC and Sabrina Mahfouz, both of whom have found inspiration for their work in London, its people, and all it has to offer.

MAUREEN DUFFY

SABRINA MAHFOUZ



Quote from Maureen's novel *That's How it Was*

Maureen Duffy FKC (English, 1956) is a poet, playwright and novelist. Alongside her writing, she is celebrated for her activism on a wide variety of causes, from animal rights to LGBTQ+ causes and authors' rights. She holds many positions of note, from Vice President of the Royal Society of Literature to President of Honour of the British Copyright Council. She was made a Fellow of King's in 2002.

'I had applied to Oxford, but was unsuccessful, and one of my teachers wanted me to go to Royal Holloway. But King's, being in the centre of London, right on the Strand, settled it for me. I found a little two-room lodging with two elderly ladies that was very cheap, which was important, but also I could get the train from there straight to the Strand.'

Getting a place on a chosen course and finding somewhere to live are the first challenges to tackle, but starting the course itself can prove to be the biggest test.

'The very first language lecture we had, the lecturer came in and announced, "You must all lose your accents", which was such a blow. We came from all over the country, all different backgrounds. Of course, we did as we were told, but it was a bit of a setback.

It was almost impossible for a female playwright in those days, and eventually a publisher said to me, "You keep writing these plays that nobody wants, why won't you write a novel and I'll publish it?".

MAUREEN DUFFY

We found that some of the staff were really quite elderly but, in contrast, there were also two very young assistant lecturers from Cambridge, Mark and Molly. They brought a very lively, more expansive way of teaching with them. They were favourites amongst us.'

In time, Maureen found that there were many opportunities to take advantage of at King's. She published numerous poems in *Lucifer*, the student magazine, and went on to take the role of Sub-Editor there. Writing became her primary focus and, in her third year, when not studying, she began writing plays. However, just as students do today, she also needed to work to supplement her income, and took a job in an electronics

factory. Her day job inspired her, and prompted her to write *Pearson*, a drama set in contemporary London with characters reflective of London's growing diversity. Maureen entered the play into the City of London Young Playwright's Award, and, as a result, was asked to join the legendary Royal Court Writers' Group. She went on to write several more plays, but her early success proved hard to repeat.

'It was almost impossible for a female playwright in those days, and eventually a publisher said to me, "You keep writing these plays that nobody wants, why won't you write a novel and I'll publish it?". I'd never attempted one before, but, at that point, I'd been thinking about my life, and if there was a reason why I was gay. That formed itself into an idea, so I wrote *That's How it Was*.'

Her first novel was a success, and was closely followed by *The Microcosm*, set in the now legendary lesbian nightclub, the Gateways. As the first female public figure to come out as gay, Maureen has long been lauded for her work as both an LGBTQ+ writer and campaigner. In 2014, she won the Icon Award for Outstanding Lifetime Achievement from *Attitude* magazine in recognition of this. Maureen is currently working on her next novel.



Sabrina Mahfouz (Classics, 2005) is a playwright, poet, screenwriter and performer. She has recently been elected a Fellow of the Royal Society of Literature and was a recipient at the 2018 King's Distinguished Alumni Awards, where she won the Arts & Culture Alumni Award for inspiring change in the industry. She has been shortlisted for the Arts Foundation Award for Performance Poetry and has won a Sky Arts Academy Award for Poetry, a Westminster Prize for New Playwrights and a Fringe First Award.

On choosing King's Sabrina told us, 'I wanted to be a Greek and Roman Antiquities Curator at the British Museum and King's had a specific course that took place at the museum. Plus Somerset House, Waterloo Bridge and Southbank had been some of my favourite places for my whole life. I also knew I'd have to work full time at night to afford to attend university, which is far easier to do in London.'

Much like Maureen's experiences at King's, Sabrina found that her arrival at university came with significant challenges she would have to overcome.

'There were times when I felt like it was difficult to feel settled and comfortable, as my background was quite different to that of most of my classmates in my particular department. Receiving support from the King's Hardship Fund made everything so much easier, as I was able to work a bit less and concentrate more fully on studies. I'm so grateful to have had that opportunity and now always try to donate to the Hardship Fund. There was a point in my second year where there's no doubt I would have left if it had not been for that Fund. The Hardship Fund's importance in ensuring students from all backgrounds are represented in their chosen fields cannot be underestimated.'

'I'm so grateful for the opportunities this city has opened up for me and so lots of my forthcoming projects will be about attempting to help others access creative opportunities.'

SABRINA MAHFOUZ

With the extra support from the Hardship Fund, Sabrina was also able to take advantage of other activities available to students, including taking part in the annual Greek play. But, alongside all of this, she always found the time to write.

'I used to write on the job when I was working elsewhere – on receipts, envelopes, meeting minutes, the clichéd serviette even.'

Her dedication to writing paid off and in 2010 her first play, *That Boy*, won a Westminster Prize for New Playwrights, the current incarnation of the very same award that propelled Maureen to success. This proved to be just the first of many awards for Sabrina and, in 2018, she was elected as a Fellow of the Royal Society of Literature.

'I'm so grateful for the opportunities this city has opened up for me and so lots of my forthcoming projects will be about attempting to help others access creative opportunities. I'm editing an anthology due out in September 2019, *Smashing It: Working Class Artists on Life, Art and Making It Happen* (Westbourne Press), which will celebrate current British working-class artists, as well as offer guidance on applying for arts funding. I'm also working on my first novel, *The Lost Clubs of London*, about abusive teenage relationships and the golden age of now-closed

London nightclubs, which is being accompanied by national creative writing workshops for young people.'

In spite of the years between Maureen's and Sabrina's time at King's we are struck by the many similarities to be drawn from their experiences. You can delve deeper into their stories by reading the extended version of this article online.

READ MAUREEN AND SABRINA'S FULL INTERVIEWS ONLINE AT:

alumni.kcl.ac.uk/writers-at-work

STUDENTS AT THE HEART OF KING'S

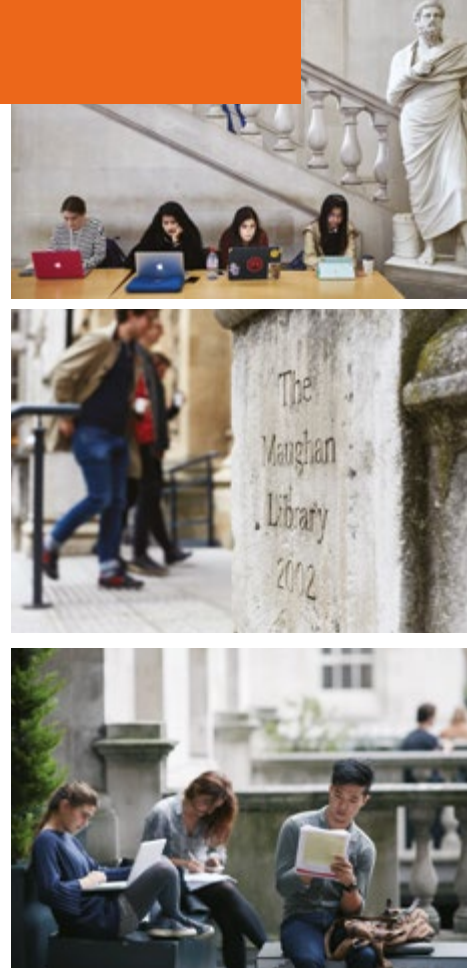
Supporting the brightest and best

King's has been welcoming the most gifted and ambitious students since we opened our doors in 1829. But access to a highly selective university like King's is out of reach for some of the most talented and deserving students.

King's is working hard to improve this and, thanks to the generosity of the alumni community, we are getting there. Over the past five years, together we have helped give over 60,000 students educational opportunities they might otherwise not have had. In doing so, we have changed the face of our student body, with 77% of our students now coming from state schools. We have much to be proud of but there is still so much to do.

In the UK, only 4% of doctors, 6% of barristers, 11% of journalists and 12% of solicitors have working-class origins. Each year, 3,000 state school students do not attend the country's leading universities, even though they have the A-level grades to do so. King's is determined to challenge this and provide true equality.

Lack of family income should never be a barrier to educational achievement. Support from the King's Hardship Fund provides students with vital living expenses and the chance to live and study in London. For many, this can be the difference between staying at university and dropping out altogether. Whether a care leaver with no family to rely on, a student from a disadvantaged community, or a student dealing with a sudden change in circumstances due to parental job loss or bereavement, we want to be able to support them all.



Students on campus at King's

The worry was constant and my studies began to suffer. I even failed two assignments, which was devastating.

ISOBELLE

THIRD-YEAR STUDENT ISOBELLE ON COMING TO KING'S

'All I ever wanted to be was a midwife and King's is the best place in the UK to study Midwifery. When I was looking at universities, King's stuck with me. I went for it, got it and that was amazing.

I am from a single-parent household, so it was just me, my mum and my brother. My mum's not well off, but during my first year she was able to help me out with money for things like travel and food. But then she lost her job and everything started falling apart. I didn't know how

Without alumni like you who wanted to give something back to King's, I would not be here. I am 100% certain I would have had to drop out. Thank you so much for your support.

ISOBELLE

I could afford to eat, let alone pay my rent or fares. I started applying for jobs, even though I had no idea how I could have fitted in working with my studies. The worry was constant and my studies began to suffer. I even failed two assignments, which was devastating. I could feel everything I'd worked so hard for slipping away.

I had a personal tutor meeting with one of my lecturers. She asked how I was doing, and then suddenly everything came out. I had never heard of the Hardship Fund, but my lecturer said she would support me in applying.'

HELP FROM THE HARDSHIP FUND

'The Fund is so important. I would not be here without it. University now is seen as a given and it's often assumed that everyone can go. Actually, it's really not feasible for a lot of people, especially when you come from a background where there just aren't any spare financial resources.

Without alumni like you who wanted to give something back to King's, I would not be here. I am 100% certain I would have had to drop out. Thank you so much for your support.'

CAN YOU HELP US SECURE THE FUTURE OF A STUDENT LIKE ISOBELLE?

At King's, we would like to support all of our students who need urgent financial support. However, last year, there were almost 200 applications we could not fund. With this number set to rise, alumni donors can play a crucial role in funding a number of key initiatives that will allow every student the opportunity to reach their potential and be all that they can be at King's.

By making a gift towards the Hardship Fund, you will help us to provide equal opportunities to students from all backgrounds, so that no one gets left behind.

BACK STORY

HOW DONATIONS TO THE HARDSHIP FUND HELP

The average King's student has minimum monthly outgoings of over £1,000 per month.

- A gift of £40 could go towards textbooks or other vital study materials.
- A gift of £80 could help cover a month's travel expenses.
- A gift of £150 could help cover a month's worth of groceries.
- A gift of £500 could go towards one month's rent.

WAYS TO GIVE:

Each and every donation will help a deserving student like Isabelle stay at King's.

You can make your donation using the donation form and Freepost envelope included in this pack.

YOU CAN DONATE ONLINE AT:

alumni.kcl.ac.uk/intouch-appeal

YOU CAN CALL:

+44 (0)20 7848 3053

THE CULTURAL COMMUNITY

at King's and beyond

Collaboration is at the heart of the cultural community at King's. Working with artists and cultural organisations helps us to develop and illuminate our teaching and research. With projects like King's Artists, an artists in residence programme that brings together artists and academics to test pioneering approaches, to spaces like the new Science Gallery London at Guy's campus that connects King's with London and its communities. These King's initiatives generate new insights, learning experiences and networks.



Details of #MagicCarpet being made



Dr Kai Syng Tan and Professor Philip Asherson in front of the completed #MagicCarpet. Photograph courtesy of Studio Maba

STEPPING FORWARDS

Over the last five years, the university's Culture team has supported King's in developing a distinctive approach to arts and cultural partnerships. These collaborations bring new perspectives to research, drive innovation and enrich education while serving the needs of the cultural sector and, more broadly, society. Munira Mirza joined King's in January 2019 in a new role as Executive Director for Culture. Munira's 18-year career has spanned arts, academia, politics and media. She is a former Deputy Mayor for Culture and Education in London (2008–2016), where she led City Hall's cultural planning for the 2012 Olympic and Paralympic Games. Speaking about the cultural community at King's, Munira said:

'We live in a world where culture plays an increasingly important role – in the economy, politics, health, communities and global exchange. It's exciting that King's has led the way in placing culture at the heart of the university and made it integral

to its work. I'm excited to build on the strong connections that King's has developed with London's cultural and creative sector, and there is an incredibly rich and varied cultural community here which we want to celebrate and strengthen.'

She describes the Culture team as 'a swiss army knife – a tool that can do many things. The team works across all the faculties on a range of opportunities and challenges, from increasing public engagement in the university's world-class research to enhancing campus life and co-creating creative educational experiences with students.'

One programme Munira is particularly excited about is the artists in residence programme. She says, 'King's Artists is a flagship initiative which places artists in faculties with the aim of generating new and thought-provoking approaches to research.'

We hear from artist, curator and researcher Dr Kai Syng Tan about her involvement with the programme and why it was so rewarding.



“We live in a world where culture plays an increasingly important role – in the economy, politics, health, communities and global exchange.”

MUNIRA MIRZA

AN ARTIST AND A PSYCHIATRIST MEET

Dr Tan tells us: 'I first approached Philip [Asherson, Professor of Molecular Psychiatry,] as I wanted to learn more about my ADHD.' Attention Deficit Hyperactivity Disorder, or ADHD, is a common neurodevelopmental trait with a wide range of outcomes, including very high achievement for some, and severe impairments for others.

Professor Asherson's research interests include the phenomena of mind-wandering and how the minds of people with ADHD jump between ideas. Through their conversations, Dr Tan realised there was a connection between this phenomena and the way artists like herself worked, allowing their minds to roam and drawing disparate ideas together.

Dr Tan explains that by working across borders and disciplines she is able to produce what she calls 'productive antagonisms'. These antagonisms are collisions between different people and ideas that open up new areas of thought that help open up the conversation to a wider audience.

WEAVING IDEAS TOGETHER

Together, Dr Tan and Professor Asherson created a tapestry, titling the work *We sat on a mat and had a chat and made maps!* (aka #MagicCarpet), which weaves together research, narratives and questions about mind-wandering and the boundaries between 'normal' and 'abnormal' behaviour. #MagicCarpet seeks to raise awareness of ADHD and engage wider society in a conversation about how we think about difference, disability, (neuro)diversity and mental health. Their work is contributing to local and national training with healthcare professionals and researchers, and features in an academic paper exploring mind-wandering as a new framework to understand ADHD. The project arose out of Dr Tan's interactions with Professor Asherson and his fellow academics, as well as with students and diverse communities across London and beyond.

Whilst working on the project, Dr Tan has also been wearing specially designed badges reading 'Mind-wanderer in action'. As she spoke to more students

“#MagicCarpet seeks to raise awareness of ADHD and engage wider society in a conversation about how we think about difference, disability, (neuro)diversity and mental health.”

DR TAN

and staff at King's, and as they continued these conversations with others, similar badges were handed out, thus 'infecting' the university with (conversations about) mind-wandering, ADHD and wellbeing.

YOU CAN HEAR FROM DR TAN AND PROFESSOR ASHERSON IN A VIDEO AT:

[alumni.kcl.ac.uk/magiccarpet](https://www.kcl.ac.uk/alumni/magiccarpet)

TO FIND OUT MORE ABOUT INNOVATIVE PROJECTS FROM ACROSS THE CULTURAL COMMUNITY AT KING'S, VISIT:

[kcl.ac.uk/cultural](https://www.kcl.ac.uk/cultural)

WHERE ART MEETS TECH

Olga Kravchenko (MA Arts & Cultural Management) is CEO of Musemio, an educational technology start-up she co-founded with Kaitlin Fritz. Originally from Ukraine, Olga has spent the last seven years in the UK. She tells us about studying at King's, the King's20 entrepreneurship programme, and bringing her first product to launch.

ON ARTS AND TECHNOLOGY

I've always been in love with culture. I studied Arts & Cultural Management at King's because I wanted to understand how we could improve cultural programming to bring culture closer to people. Tech can help people to engage with culture. However, there's a need to educate specialists in how tech can develop their collections and audiences. We've just launched Musemio, a virtual reality (VR) educational game that stimulates children's curiosity in arts and culture. We introduce museum and cultural objects into a gamified VR environment alongside a series of challenges. VR improves children's attention by 92%, so it's not just a toy – it can also help them do better in life.

KNOW YOUR AUDIENCE

We interviewed more than 200 children over a year, and the way they see art is very different to what we see. When they enter a museum they

understand the value but can't necessarily connect with it. How do we explain the importance of Leonardo da Vinci to a child? To a child, the *Mona Lisa* is just a portrait, but when I tell them da Vinci also sketched out ideas for helicopters and bicycles hundreds of years ahead of their invention, suddenly the child thinks it's genius.

ON KING'S20

King's20 gave us incredible mentorship support. It helps during that difficult time when you're trying to find out who you are in the business world, and fighting between 'I can do everything' and 'I can't do anything because I'm too small'. We also received funding, as part of the Stefan Allesch-Taylor Scholarship, to help with our product development. We've been through many ups and downs, especially with financing. We're an educational company that deals with arts and culture, so it's not as trendy as blockchain or cryptocurrency. But we're still closely connected to King's, and the

Virtual reality improves children's attention by

92%

Entrepreneurship Institute is helping us to raise money by putting us in touch with investors. We're eternally grateful for how they've helped us develop our idea and not give up.

HOW MUSEMIO WORKS

We want to make Musemio fun – we're not trying to be a museum-related lesson, but more a museum-inspired game. The museums we spoke to told us their displays for children served to spark an interest in the past, in what art was about, or technology. For us, it's also about sparking an interest so that the child wants to learn.

First we ask the museum to select four or five different objects from their displays, then we write stories around them and gamify it. In one of the challenges that

we worked on with the Petrie Museum of Egyptian Archaeology, the child is a time-traveller and ends up in Egypt. We start with some context around Egypt, how many dynasties there were, and we talk about the River Nile. A robot named Mio invites the child on a journey to find a pyramid. Once inside, they find all sorts of information about hieroglyphs and the child needs to solve a challenge by connecting the hieroglyphs to the modern Latin alphabet.

TIPS FOR BUDDING ENTREPRENEURS

It's really important to identify your passion because that's what's really going to drive your business growth. Most of the time, it's not necessarily about the idea itself, it's about whether you can show other people – the people who will go on to be your teammates, your supporters, your investors, your clients – the passion that you have inside. It won't work if you're just trying to make money, because, for a start, entrepreneurship is not about making money.

“A lot of people ask me “Shall I quit my job?”. So I ask them, “Have you written a business plan?”.”

OLGA KRAVCHENKO

You need to understand that you will have a couple of years when you *will* sacrifice your evenings, you *will* sacrifice your free time. But as long as you know that you're on a mission to deliver something great, it all pays off. So for alumni who want to realise their passion, I would recommend trying – maybe part-time first – to see if you have enough passion for it, because it's a challenging journey. I started running my business after graduating. Now, a lot of people ask me 'Shall I quit my job?'. So I ask them, 'Have you written a business plan?' and they tell me, 'No, but I don't have the time'. Well, if you don't have time to do that, you're not going to have the time to run a business.

GET INVOLVED

Apply for the King's20

The King's20 Accelerator is a year-long programme aimed at supporting 20 ventures from King's brightest students, staff and alumni.

FIND OUT MORE AT:

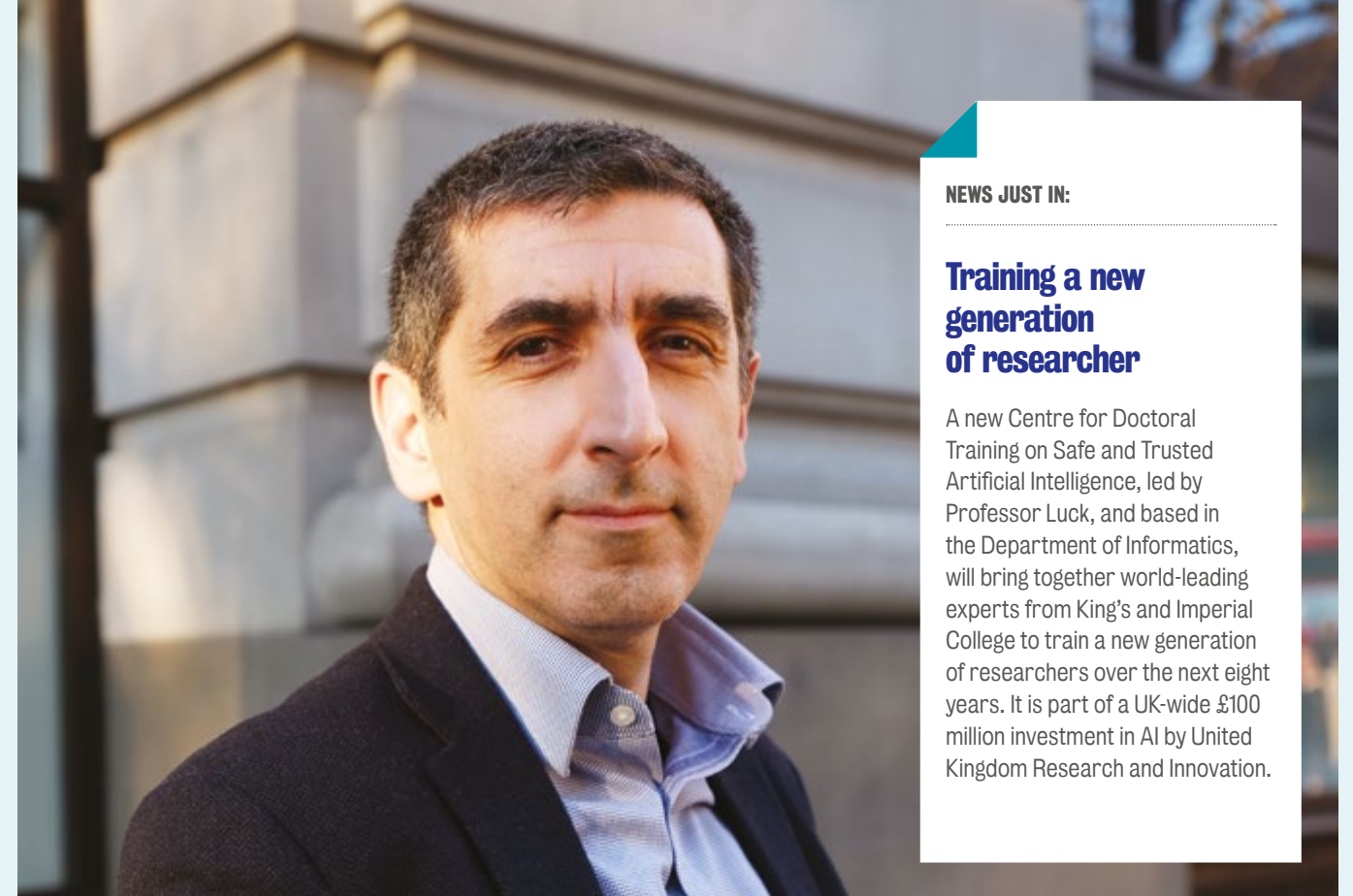
 kcl.ac.uk/entrepreneurship

AI

One of society's great opportunities or the next big threat to privacy and control?

Everything we love about civilisation is a product of intelligence, so amplifying human intelligence with artificial intelligence (AI) has the potential to help civilisation flourish like never before. Right? The buzz around AI is growing – bots are replacing humans to deliver personalised communications and the era of surgical AI has commenced. However, big thinkers including Elon Musk and Bill Gates have expressed concern about the risks posed by AI.

Who is right? Is AI the answer to all our problems or the next big risk to privacy and control over our own lives? Here we speak to two leading King's academics with very different takes on the development of AI. We also speak to a King's Clinician-Scientist who is using robotic surgery to improve outcomes and recovery time for cancer patients.



NEWS JUST IN:

Training a new generation of researcher

A new Centre for Doctoral Training on Safe and Trusted Artificial Intelligence, led by Professor Luck, and based in the Department of Informatics, will bring together world-leading experts from King's and Imperial College to train a new generation of researchers over the next eight years. It is part of a UK-wide £100 million investment in AI by United Kingdom Research and Innovation.

Michael Luck is Professor of Computer Science and Executive Dean of the Faculty of Natural & Mathematical Sciences at King's. According to Professor Luck, AI has been around for a long time and has the potential to change our lives for the better.

'I've been working on AI for more than 20 years, like others at King's. The very significant role of AI has now been recognised, with the creation of the new government AI Council and Office for AI, which aim to support the UK's AI sector and maintain its leading position.

AI is already having an impact on our lives. Millions of euros are traded by machines every day in financial markets, our leisure time is increasingly guided by machines predicting what we watch and AI software is managing processes ranging from logistics in manufacturing to chatbots interacting with customers. This impact will only increase, with AI touching every aspect of society, improving efficiency and effectiveness.

If we get this right, and we must, AI's primary area of impact will be on automating time-sucking tasks that are dirty, dull or dangerous.

What I think people worry about most is the effect on employment and the economy, but in my view it will mostly be positive.

There are some incredibly sophisticated forms of AI being developed. AI is especially interesting to me not just because of the different application areas, but also because of the many disciplines that make up AI techniques and technologies – computer science, philosophy, psychology, economics and many others. There are also massive potential benefits for many King's research areas – and that can only be a good thing.'

Professor Luck is aware of the reservations that some people have:

'AI is sometimes viewed as a scary, disturbing future scenario in which we as humans will lose control and machines take over the world. In fact, what is far more likely to occur in the next few decades is the development of systems that combine the capabilities of humans and machines – in other words, 'augmented' intelligence. This means we will have the best of both worlds.'

King's is already working on systems to ensure that AI is not misunderstood or misused.

'In the Department of Informatics at King's we are looking at not only the technical possibilities, but the wider societal impact. As a result, we are developing a vision for what we call 'safe and trusted AI'. We are involving people from many fields, not just those that are traditionally tech-focused.

Our safe and trusted vision is important. First, AI should be safe in that we need to provide some degree of assurance around the technologies. There is, rightly, a pressure to ensure that software does what we intend it to. Second, and no less important, AI should be trusted because we need to have confidence in the decisions made by AI systems. As the sophistication of AI increases, this becomes ever more important.'

So, according to Professor Luck, the potential of AI is hugely positive and the risks, sometimes overblown, are already being managed:

'Our work on AI, here in the UK and at King's, is leading the world. While there are always areas for improvement, I am optimistic about the future and the positive role AI can play in it.'

Computer vision and facial recognition techniques can be misused when manipulating images and videos. Many such uses of AI could be problematic if not properly regulated.

DR CHRISTINE AICARDI



Dr Christine Aicardi is a Senior King's Research Fellow in the Human Brain Project Foresight Laboratory. The Human Brain Project aims to put in place cutting-edge research infrastructure that will allow scientific and industrial researchers to advance knowledge in neuroscience, brain-inspired computing and brain-related medicine. The lab evaluates the potential social and ethical implications of the knowledge and technologies produced by the Human Brain Project. Dr Aicardi believes that, though there are some fundamental misunderstandings around AI, it does bring inherent risks that must be addressed and managed.

'In the media, aspects of AI can get blurred – in particular, the fundamental difference between specialised AI, which currently exists, and the projected, much fantasised advent of artificial general intelligence. This means that there is a reduced understanding of what AI actually entails. As a result of this blurring, some think the main goal of AI research is to replace human intelligence; my own view is that it is more fruitful to think how it could complement it.

The expansion of specialised AI technology raises important ethical concerns. For example, computer vision and facial recognition techniques can be misused when manipulating images and videos. There have also been some contentious military uses of autonomous and semi-autonomous weapons – for example, research into the use of drones to locate and attack targets without any human involvement. Many such uses of AI could be problematic if not properly regulated.'

Dr Aicardi believes that a lack of understanding means that we are not focusing enough on the real risks that current AI presents.

'There are a few scaremongers who like to talk about the day robots develop consciousness and become more intelligent than us, and that leads to 'taking over the world' apocalyptic scenarios. That actually distracts us from the problematic aspects of the AI we already have. AI requires masses of data. There is currently a lot of concern about how data is collected and used. This is especially worrying when it relates to information about vulnerable populations. For example, there was widespread shock when it was recently reported that Facebook paid children

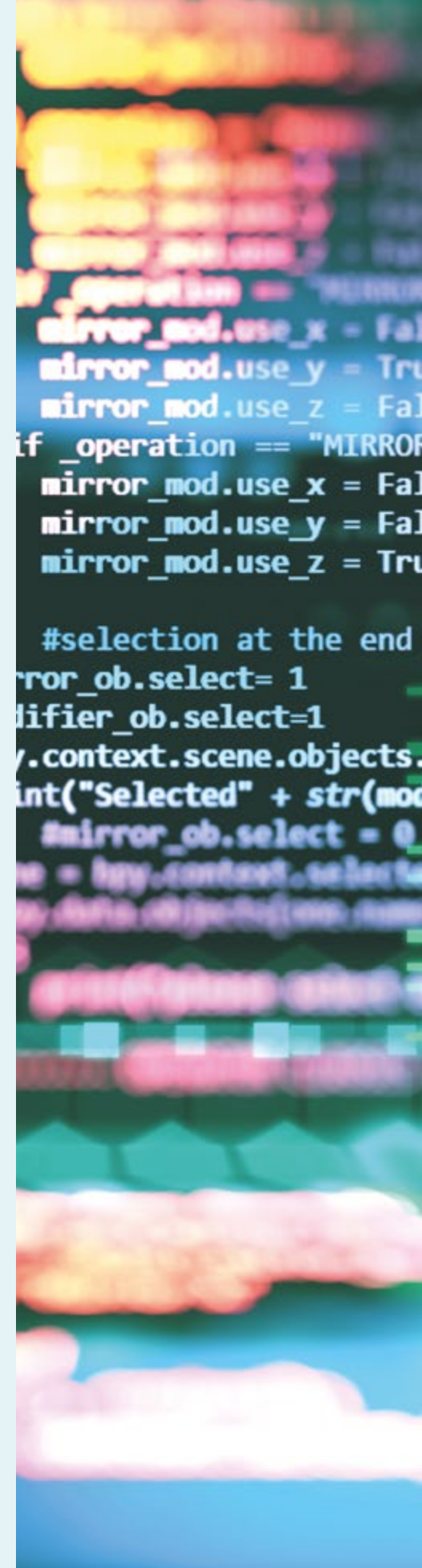
as young as 13 to install software which 'spied' on them, without parental permission.'

Dr Aicardi believes that ethical questions surrounding AI should be addressed when people are starting out in their careers:

'It is very important that people studying computer science and engineering should receive ethical training so they can put technical capabilities in the context of the human dimension.'

So, while Dr Aicardi, like Professor Luck, can see the potential of AI, she believes that more needs to be done to manage its development:

'While AI may have lots of potential, we must remember that it can also serve the interests of powerful people and organisations. This means that it can be used for purposes other than the common good – financial gain, political influence, or something else. In the end, I think we need to go beyond soft regulation to also deploy hard laws to ensure that AI is managed properly.'



AI IN PRACTICE

Prokar Dasgupta has been a pioneer in the field of robotic-assisted technology for almost 20 years. He is Chair of Robotic Surgery & Urological Innovation at King's and is an Hon. Consultant Urological Surgeon at Guy's and St Thomas'.

Professor Dasgupta's work is already having a hugely beneficial impact – meaning shorter recovery time and less pain for cancer patients.

'About 18 years ago, we conducted a trial because I felt we needed to improve patient outcomes. We surveyed the effectiveness of a robot to remove kidney stones via the first ever random controlled trial into robot-assisted technology. Machine learning (ML) is a subset of AI, using decision-making computer algorithms to grasp and respond to specific data.

The trial showed the robot to be more accurate at placing a needle into a kidney, but slightly slower than a human surgeon. Then we worked with instruments with 'wrists' and 3D vision techniques. It gave us a magnification of more than 10 times and the enormous benefit of no tremors.



The adoption of robotic surgery and AI is driven by a desire to improve patient outcomes. For example, a prostate recognition algorithm could make a machine learn whether an image is prostate cancer or not, thus reducing the variability in MRI readings by radiologists. Video recordings of surgeons performing RARP [robot assisted radical prostatectomy] can now be converted through a 'black box' into automated performance metrics, and show that not all high-volume surgeons are necessarily those with the best outcomes.*

Many of our trials have been successful, but you must always temper success with pragmatism – we also learn from what doesn't work. For example, while we achieved excellent outcomes in areas such as prostate and kidney cancer, we had less success in reducing complications while treating bladder cancer.

And of course we involve patients in our work – they attend our trial boards and give advice. When we develop new techniques, we ask patients "Are these procedures you are willing to undertake?". Their answers matter.'

The adoption of robotic surgery and AI is driven by a desire to improve patient outcomes.

PROKAR DASGUPTA

*Taken from *BJU International*

CONCLUSION

Professor Dasgupta's work shows the potential of AI to make real and meaningful improvements to people's lives. Meanwhile, Professor Luck's work shows that AI can be applied to many aspects of society – making our lives easier and more efficient. However, like any emerging technology, as Dr Aicardi attests, it is important that politicians, scientists and society keep a watchful eye on what these exciting developments are used for. It is reassuring to know that King's plays a leading role on both the practical application and addressing the ethical implications. For now, we remain cautiously optimistic about the future of AI.

LEARN MORE

Understanding the terms:

Specialised (or weak) AI

is designed to achieve a specific focused task (such as facial recognition, internet searches, predictive shopping or driving an autonomous car).

General (or strong) AI

is more general multipurpose intelligence. This is more of an abstract concept since such AI does not yet exist.

SHARE YOUR VIEW ONLINE WITH:

#KingsDebate

 facebook.com/KCLalumni

 [@KCLalumni](https://twitter.com/KCLalumni)



SPOTLIGHT ON *Shanghai*

Xijiang 'Tiger' Jin (MSc Engineering with Business Management, 2010) lives in Shanghai. After graduating from King's, he returned to Shanghai to work on his own business projects, including ANPI Technology, a cross-border e-commerce trade business.

Tiger is the Chair of the King's College London Shanghai Alumni Committee, and supports alumni by acting as a point of contact for those based in, or visiting, Shanghai.

Over the last 10 years, the King's alumni group in China has quickly grown to become the third-largest King's

alumni community (after the UK and US). In order to foster this growing audience and establish more effective relations with the university, King's has gained the support of several key alumni, including Tiger.

Tiger and the committee organise monthly events in order to bring alumni together. Alongside this, Tiger also supports King's on its South East Asia tours and alumni networking events. This May, King's will also host a China tour, with visits to cities including Beijing and Shanghai.

Tiger told us, 'Shanghai alumni members are active and passionate. International alumni groups are great for those wanting to share ideas and network. These events offer a unique opportunity to learn about research and developments from King's, meet people and broaden alumni contacts.'



KING'S ALUMNI COMMUNITIES IN CHINA

There are over 3,500 King's alumni living in China, with active alumni committees in Beijing and Shanghai. For more information about how to contact alumni committees in China and the rest of the world, visit:

 alumni.kcl.ac.uk/branches

BOOK YOUR TICKETS NOW FOR KING'S CHINA TOUR 2019

Shanghai – 27 May

Beijing – 29 May

 alumni.kcl.ac.uk/china-tour

FIND OUT MORE

We are now on WeChat

To better connect with alumni in China and across Asia, we are excited to announce the launch of our official King's Alumni WeChat account.

Scan the QR code to follow us and be the first to know about:

- Exciting alumni events including our annual tour of China in May.
- Information about local alumni groups and how you can make the most of your King's connections.
- Exclusive alumni benefits and discounts.
- Support for your career including mentoring, webinars and professional development opportunities.
- All the latest news and developments straight from King's, including our groundbreaking research and projects.



Recognising OUTSTANDING ALUMNI

Building on the success of the inaugural King's Distinguished Alumni Awards, this year once more we recognise students and alumni who have demonstrated outstanding professional achievement, civic leadership or service to King's and society. Here, we profile Jonathan Andrews and Daniel Peltz OBE FKC, the winners of this year's King's in Service and Helen Hudson awards. Turn to page 40 to hear from the winner of the King's Arts and Culture Award, Emily Berrington, in our regular feature, 'You Recommend'.

KING'S IN SERVICE AWARD

Jonathan Andrews (English, 2015)

Diagnosed as being on the autism spectrum aged nine, Jonathan never saw it as a barrier to reaching his aspirations. 'It gave me a focus, a determination, and a passion for learning that undoubtedly assisted me in achieving my ambition of reaching a top university from my local comprehensive,' he says.

At 16, he started volunteering with organisations supporting autistic children and adults, and has continued this ever since, in a variety of roles including serving as the first autistic trustee of Ambitious about Autism, the national charity for young people with autism. He decided on a career in law while at King's, but found that there were few openly autistic people speaking about their experiences at the events he attended. 'I resolved to change that,' he says, 'because it is difficult to see yourself in a role if you can't see anyone like you doing it.'

Only 16% of autistic adults are in full-time employment and Jonathan wants all autistic and disabled people to be able to achieve their ambitions on a level playing field to their peers.

He tells recruiters that, as well as being the right thing to do, inclusive employment makes good business sense. 'I've given autism awareness and neurodiversity talks across businesses to open up the concept of hiring from a different talent pool – one full of talented people, but which clearly isn't being tapped enough,' he says. Employers sometimes worry that widening recruitment will be costly. But, according to Jonathan, the evidence shows the opposite and adjustments for autistic people are often procedural.

Through his work on disability and autism awareness and acceptance, Jonathan was able to build industry connections, securing a training contract at Reed Smith. He plans to continue offering his support, and was delighted to be asked to advise government ministers and HRH the Duke of Sussex on making the Commonwealth Heads of Government Meeting 2020 disability-inclusive. Though, for now, his focus is on qualifying as a solicitor.

So how does it feel to win the King's in Service Award? 'To know that those at King's have kept up with my work and recognised its impact is heartwarming,' says Jonathan.

HELEN HUDSON AWARD

Daniel Peltz OBE FKC (History, 1982)

Daniel is CEO of London Freeholds Ltd and is a longstanding supporter of King's. 'I've always believed in the concept of giving back. The great thing about King's is that, as well as being so influential during my past, it still plays an important part in my life,' he says.

Daniel and his wife Elizabeth have been generous donors, and their involvement with King's has benefited a number of areas, most notably across King's College Hospital, Guy's and St Thomas' and the Evelina London Children's Hospital. 'The research into areas such as mental health, motor neurone disease, haematology and cardiology, to name but a few, obviously affects us all. How gratifying it is that one can give to things that you feel so attached to, for the benefit of everyone.'

It's not just healthcare that interests Daniel. 'We were also attracted to supporting the King's Postgraduate Scholarship programme,' he adds. 'Adult education is so underfunded, yet so important for today's society.'

Daniel has been a driving force on the King's Campaign Board for the past eight years. 'The board is a seriously impressive collection of people. I find myself slightly in awe of some of its members,' he says. Board members meet and advise King's leaders on fundraising initiatives and Daniel has been drawn towards supporting King's Health Partners.

Winning the Helen Hudson Award means a great deal to Daniel. 'To be selected for such a prestigious accolade that recognises the work one has done for the College and that has been so influential on one's development is really gratifying,' he says.

So what's next on the horizon for Daniel? 'We've only just started on the Children and Young People Mental Health initiative that King's is involved in, so I think the future depends on what needs to be done where and when we finish. Whatever happens, I would still like to be involved, given that anything King's wants to progress will inevitably have an impact on the world we live in.'

“I've always believed in the concept of giving back. The great thing about King's is that, as well as being so influential during my past, it still plays an important part in my life.”

DANIEL PELTZ OBE FKC

MEET THE REST OF THE WINNERS:



KING'S ALUMNI IMPACT AWARD
Johan Eldebo
(International Peace & Security, 2009)

Johan is the Regional Security Director for southern Africa at World Vision and co-creator of the rapid context analysis tool GECARR, which has been used to guide humanitarian operations in more than 20 countries.



KING'S STEM ALUMNI AWARD
Jesse Lozano
(Law, 2012)

Jesse is co-founder and CEO of pi-top, a global educational technology company recognised in *The Times* Tech Track. More than 1,500 UK schools use pi-top's machines to teach computer science.



KING'S GLOBAL HEALTH ALUMNI AWARD
Elizabeth Tissingh
(Medicine, 2008)

Elizabeth is a trauma and orthopaedic surgeon and the King's Kongo Central Partnership Lead at the King's Centre for Global Health and Health Partnerships. She also lectures on the King's Global Health MSc.



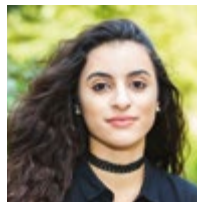
ALUMNA OF THE YEAR AWARD
Farrah Storr
(French with English, 2001)

Farrah Storr is the award-winning editor-in-chief of *Cosmopolitan* magazine and an author. Farrah has spoken widely on the issue of inequality and was recently appointed a commissioner for the Social Mobility Commission.



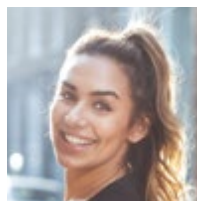
KING'S FUTURE ALUMNUS AWARD
James Frater
(Medicine, 3rd year)

James takes a strong interest in widening participation, particularly in his capacity as King's African & Caribbean Society President and student ambassador. He also speaks on student engagement.



KING'S TRANSFORMATION AWARD
Shereen Mashhadi Ahvazi
(Midwifery, 2018)

Shereen faced acute financial pressures and wasn't sure she could continue her Midwifery studies. Support from the King's Hardship Fund meant she was able to graduate with a 2:1 and secure a job as an NHS midwife.



KING'S ENTREPRENEUR AWARD
Devika Wood
(Human Sciences, 2013)

Devika worked in digital health before founding health technology firm Vida in 2016. Her passion to innovate and disrupt in the care industry has led to many industry awards.



KING'S ARTS AND CULTURE ALUMNI AWARD
Emily Berrington
(Development Geography, 2008)

Emily gained a place at the prestigious Guildhall School of Music and Drama and now combines her acting career with voluntary work and campaigning for social issues.



KING'S INTERNATIONAL ALUMNI AWARD
Rita Kakati Shah
(Mathematics & Management, 2001)

Founder and CEO of Uma, a company dedicated to empowering women returning to work, Rita is a diversity, inclusion and retention strategist and advises companies on best practices. She is also a King's leadership mentor.



KING'S EMERGING LEADER AWARD
Amira Modi
(Mathematics & Management, 2002)

Amira has held a number of senior roles at GlaxoSmithKline, including; Chief of Staff Global Pharmaceuticals, Global Marketing Director and Finance Director. She volunteers as a school governor and a business mentor for The Prince's Trust.

A FRESHER'S FAIR TO REMEMBER

Sophie and Adedoyin Ogunbiyi

Sophie (née Hudson) (European Studies, 2006) and Adedoyin (Doyin) Ogunbiyi (Geography, 2005) first spotted each other over the crowds at the Strand Campus Freshers' Fair in 2002. They met just a few days later at the gym and it was the start of something wonderful.

SOPHIE: For me, it was love at first sight, or at least I can say I knew as soon as I saw him that he would play a significant role in my life.

DOYIN: Sophie didn't know this at the time but I came to university with the hope I'd meet the person I'd marry and grow old with, so I was primed for a positive introduction. We'd seen each other a few times around the university in that first couple of weeks and we'd 'exchanged a lot of eyes'.

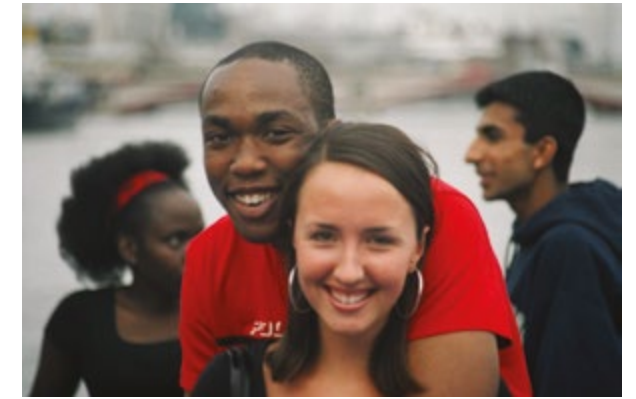
SOPHIE: We were both really active as student ambassadors for King's, and I have really fond memories of being student mentors in London schools and welcoming prospective students to King's – sometimes working together, which was a really special thing to do.

DOYIN: I enjoyed having someone I could create special, lasting moments with. Most of all, though, we'd often be up late at night pondering life's great questions together.

SOPHIE: I went on to start my career in political consultancy at a PR firm. For the last 10 years, I have been working in government affairs for a world-leading automotive manufacturer. In 2018, I was shortlisted as one of the 'Top 100 British Women in the Automotive Industry' by *Autocar*. It was the highlight of my career so far.

DOYIN: I'm currently Associate Director of Finance at one of the largest NHS trusts in the country, but it's interesting to note that it's not just my academic and professional life that King's really helped with. During my studies, I rekindled my interest in aikido, a Japanese martial art. I've gone on to represent Great Britain at many international tournaments.

SOPHIE: We got married on 29 August 2009 in the King's College London Chapel on the Strand. It was a magnificent day, full of laughter, love and fun. Bringing together our Nigerian and Irish-Scottish-English cultures made for a very vibrant, colourful and dynamic wedding day. Since we got married, we enjoyed four years of wedded bliss before we were blessed with the arrival of our first daughter, who was followed two and a half years later by her younger sister. There is never a dull moment in our house and filling our home with children has been the greatest privilege and adventure we could have ever asked for.



DID YOU MEET SOMEONE SPECIAL AT KING'S? WHETHER YOUR PARTNER OR BEST FRIEND, WE'D LOVE TO HEAR ABOUT IT. SHARE YOUR STORY WITH US AT:

✉ forever@kcl.ac.uk

ALUMNI EVENTS

King's Alumni Reunions – Events to remember

There is nothing quite like catching up with old friends, reminiscing and sharing news. Just a quick glance at some of the reunion photos that alumni share shows just how much fun these events are. If you have yet to attend a King's reunion, or you haven't seen one listed for your class, perhaps you could consider organising one yourself. To get you on the right track, we have put together a handy guide to help you organise a reunion to remember.

Let's get started...

- **Tell us about it...** Drop us an email or give us a call to let us know that you're planning a reunion. Give us a summary of the event and who you would like to attend. You can get in touch with us using the contact details at the bottom of this page.
- **Tell everyone else about it...** There are so many ways to drum up interest from your old classmates, and we can help you do that. We can contact alumni across the world and list your event on our webpages, ensuring that news of your reunion spreads.
- **Start planning your event...** If you want to hold your reunion on campus, our dedicated university hospitality team, King's Venues, can offer advice. You might prefer to host your event in a local restaurant or bar in London. We can provide suggestions and share information on how past reunions have been organised.
- **Party time....** With everything in place, now is the time to relax and enjoy the event, and make sure to take lots of pictures.
- **Invite your guests...** We can send the invitations out for you. Once you have confirmed the event details with us, things like location and date, and let us know who you would like to invite (eg English Literature class of 96), then we can get the ball rolling. We will contact your classmates on your behalf by email,* asking anyone who is interested to contact you directly.

We would love to help you organise an event to remember. If you would like to know more about organising a reunion, get in touch with the alumni office. We can answer your queries, and send you a full guide to organising an alumni reunion.

To find out more about hosting a reunion, contact us on:

✉ reunions@kcl.ac.uk

☎ **+44 (0)20 7848 3053**

To find full listings of upcoming events, visit:

👉 alumni.kcl.ac.uk/events



MAKE CONNECTIONS THROUGH KING'S

We are excited to announce that our popular mentoring platform King's Connect has relaunched on a new cloud-based platform developed by Graduway, global leaders in alumni networking and mentoring.

We made this change because we wanted to create a platform fit for the future needs of our students and alumni. The result is a new King's Connect benefits and mentoring platform. It offers an improved user experience and many fantastic features to help you make the most of your King's benefits.

Are you interested in mentoring?

Looking to create or join a group? Perhaps you want to request an introduction to a friend's connection? Or find an event to go to? With King's Connect, you can do all of those and more. King's Connect is your gateway to the King's community, wherever you are in the world. Sign up for an account to:

- Expand your professional network by interacting with other King's alumni and students.
- Easily create or join groups and start conversations.
- Sign up for mentoring, either as a mentor or mentee.
- See relevant news, event and group updates on your timeline.

Mentor: Barbara Stahley (Human Resource Management, 2003)

'Mentoring is a great way to connect with other people who are trying to figure out their careers and to give back to our King's community. It can be as simple as saying, "Hey, you're on the right track", or "Have you thought about doing this differently?" – or even just offering to listen. And I've learned a lot from my mentee, Alina.'

Mentee: Alina Gutierrez Melendez (Cultural & Creative Industries, 2012)

'I had lunch with one of my mentors just the other day and walked away feeling invigorated. After a 45-minute meal, I started to look at a pretty thorny topic through a new lens. That's the power of mentoring!'



Barbara Stahley (Human Resource Management, 2003)



Alina Gutierrez Melendez (Cultural & Creative Industries, 2012)



Join our community

King's Connect is open to all King's students and alumni. You can register using your Google, LinkedIn or Facebook account, or simply sign up in a few minutes using the registration form. Start making connections at:

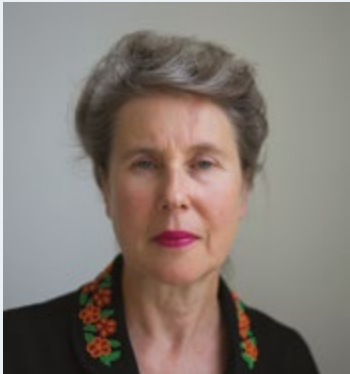
👉 kingsconnect.org.uk

NEW APPOINTMENTS & COMMENDATIONS

NOTABLE COMMENDATIONS
AND APPOINTMENTS FOR
KING'S STAFF AND ALUMNI

Professor Edmund Sonuga-Barke

Professor Sonuga-Barke of the Institute of Psychiatry, Psychology & Neuroscience has been elected a Fellow of the British Academy. He was elected to the fellowship in recognition of his work on ADHD and related neurodevelopmental disorders. Professor Sonuga-Barke is Professor of Developmental Psychology, Psychiatry & Neuroscience in the Department of Child & Adolescent Psychiatry.



Professor Anne Marie Rafferty CBE

Anne Marie Rafferty, Professor of Nursing Policy at King's College London, has been elected as the next President of the Royal College of Nursing (RCN). Professor Rafferty joined the Faculty of Nursing, Midwifery & Palliative Care at King's in 2004, where she served as Dean, before becoming Professor of Nursing Policy in 2011.



Farrah Storr (French with English, 2001)

Farrah Storr has joined the independent Social Mobility Commission, established as an advisory commission to the government. The role of the commission is to collectively work towards making England a fairer society. Farrah has joined 11 other social mobility commissioners to support the Chair of the Social Mobility Commission, Dame Martina Milburn.

NEW APPOINTMENTS



Munira Mirza

Munira Mirza has joined King's College London as Executive Director for Culture. Working alongside Baroness Deborah Bull, in her role as King's Senior Advisory Fellow for Culture, Munira will lead the university's Culture team and the delivery of the refreshed cultural strategy, in support of the research, education and service ambitions outlined in Vision 2029.



Matthew Gorman

Matt Gorman has joined King's College London as Director of Development. Joining us from Cancer Research UK, Matt will lead on UK and international fundraising priorities for King's College London and King's Health Partners.

NEW YEAR'S HONOURS

Sir Gary Streeter (Law, 1977)

MP for South West Devon, Sir Gary Streeter has been knighted for services to Community Nursing, Children and Families.

Dr Sridevi Kalidindi (PhD Psychological Medicine, 2013)

Consultant psychiatrist for South London and Maudsley NHS Foundation Trust, Dr Sridevi Kalidindi has been honoured with a CBE for services to Rehabilitation Psychiatry.

YOU CAN FIND THE FULL LIST OF ALUMNI
RECOGNISED IN THE NEW YEAR'S HONOURS HERE:

[alumni.kcl.ac.uk/
new-year-honours-2019](https://www.alumni.kcl.ac.uk/new-year-honours-2019)

FINDING A MATCH FOR MEENA

MEENA KUMARI-SHARMA

(Business Management, 2000)

Meena Kumari-Sharma started 2018 with a life much like many of her peers. She was successfully juggling her career as a recruitment consultant alongside being a mother to five-year-old twins. But then she was diagnosed with leukaemia. Shortly after her diagnosis, Meena found out that she would require a stem cell transplant.

In many cases, people are able to find a donor match within the family, but that was not the case for Meena. There were further challenges to face when she discovered that a donor match could not be found on any of the national and international stem cell registers.

'69% of white northern European patients can find the best possible match through one of the donor registers, but this drops to 20% for patients from Black, Asian and Minority Ethnic groups. This issue is even more serious for me as I am a complex tissue match,' Meena told us.

Undeterred by this distressing news, Meena set up an online campaign called Match4Meena via social media. The campaign aims to educate people who may not have heard the terms blood cancer or stem cell donation before, or realise how easy the donation process is.

'Myself, my family, friends and a network of volunteers have now organised over 60 donor drives. These have taken place across the UK, USA, Canada and India with the aim of increasing the number of donors on the international stem cell register to ultimately save lives across the world.

We have added over 2,500 people, not including online registrations.'



Meena and her children

69% of white northern European patients can find the best possible match through one of the donor registers, but this drops to 20% for patients from Black, Asian and Minority Ethnic groups. »

MEENA KUMARI-SHARMA



IF YOU WOULD LIKE TO FIND
OUT MORE ABOUT MEENA'S
CAMPAIGN, PLEASE VISIT:

@Match4meena

Meena launched the campaign while undergoing intensive chemotherapy and making sure she spent quality time with her five-year-old twins.

'I was a regular mummy, doing the school runs, completing homework, taking them for play dates. I made the most of the everyday activities as I missed so much when I was away from them during treatment.'

Meena is still searching for a donor and continues to campaign and organise donor drives both at home and abroad.

FROM MELBOURNE TO MONGOLIA — A DOCTOR'S TRAVELS

DR PHIL POPHAM
(*Medicine, 1982*)

Dr Phil Popham emigrated to Australia in 2001, where he is currently a Consultant in Anaesthesia at the Royal Women's Hospital, Melbourne. For a number of years, Dr Popham has been sharing his medical skills even further afield. Working alongside a group of obstetricians, gynaecologists and anaesthetists from a range of hospitals in Melbourne, he has made regular trips to the First Maternity Hospital in Ulaanbaatar, Mongolia.

'Our initial aim was to teach clinical skills for gynaecological laparoscopies (keyhole surgery), which had been requested by the local team.'

Over the years, the anaesthetic team have found that the training

they provide has progressed from practical teaching in theatre to workshops on estimating blood loss, epidural techniques, emergency airway management, peri-operative pain relief and basic life support. But no two days are the same.

'Our Mongolian colleagues often surprise us with their requests. Perhaps the most notable example was to be asked to perform gynaecological laparoscopy on anaesthetised pigs. And, yes, you can look up the anaesthetic side of it on *YouTube*, as we had to.'

Just as surgical techniques evolve, so do other approaches, and the Melbourne team have worked hard to show their Mongolian colleagues the benefits of more collaborative methods.

'Medical hierarchy in Mongolia can limit nursing input to medical teaching. A pivotal changing point came when theatre and perioperative nurses formed part of the Australian group. Once we emphasised how we use a team approach to medical care, teaching opportunities suddenly increased due to the willingness of the local healthcare team to embrace change.'

In recognition of their work in Mongolia, Dr Popham and his colleagues have been bestowed with various honours and, in 2018, four

of them (gynaecologists Kym Jansen, Emma Readman, Sam Hargreaves, and Dr Popham himself) were awarded the Nairamdal (Friendship) Medal by the President of Mongolia, Battulga Khaltmaa. It is the highest honour bestowed upon a foreign citizen by the Mongolian Government, and it comes in recognition of the medical advances in surgical care that their teaching has enabled.

Such awards are wonderful to receive, but for Dr Popham it comes alongside other valuable gifts.

'It is perhaps a trite comment that teaching in Mongolia is a humbling yet exciting experience, and that we learn more from them than they from us. It is, however, also true.'

¶ Once we emphasised how we use a team approach to medical care, teaching opportunities suddenly increased due to the willingness of the local healthcare team to embrace change. ¶

DR PHIL POPHAM



Dr Phil Popham (right) and colleagues in surgery



From left to right: Dr Unurjargal, Dr Phil Popham, Dr Bayasgalan, Dr Kym Jansen, President Battulga Khaltmaa, Dr Emma Readman, Dr Sam Hargreaves, Dr Munkh-Od

DECORATING A ROOM OF ONE'S OWN

SUSAN HARLAN

(*MA Shakespeare Studies, 2002*)

As a professor of English at Wake Forest University, it is perhaps unsurprising that alumna Susan Harlan is a lifelong fan of literary classics such as Jane Eyre, Frankenstein and the many other notable works that line bookshelves across the world.

Alongside her love of literature, Susan is also enamoured with art and design, and her latest book, *Decorating a Room of One's Own*, brings together her great loves of literature and design. With tongue-in-cheek humour and illustrations by Becca Stadlander, the book pokes gentle fun at modern designer trends, and uses the type of language more commonly found in design blogs.

'I wanted to bring together my life as an English professor, and as a reader – and my love of homes and home decor culture. The book started with Jane Eyre. I was watching a film adaptation one night and thinking about the house that was used as Thornfield Hall in that movie, and also my love of home design sites like *Apartment Therapy*, which had actually done a House Tour (a regular feature on their site) of my house when I moved into it.

¶ I wanted to bring together my life as an English professor, and as a reader – and my love of homes and home decor culture. ¶

SUSAN HARLAN



I thought it would be funny to think about Jane Eyre giving a kind of similar tour of Thornfield Hall, and mapping that whole narrative of 'what your house means to you' onto this really Gothic, terrible space.

I decided to keep going, thinking about which houses in literature are my favourites, and it turned into a regular column, at the [now defunct feminist website] *The Toast*. Writers can be sort of obsessed with their living spaces (maybe because we tend to spend a lot of time in them?), so this book was a way of thinking about the relationship between my living space and my reading life, but thinking about it humorously. And it's a way of thinking about homes in classic works of literature and how important (and sometimes absurd) they are. Literary homes tell us about characters, the past and about class and about gender. They tell us about just about everything.'

Published by Abrams, you can find *Decorating a Room of One's Own* online and in stores across the UK and US.



To see all the latest class notes and find out which of your classmates have been performing on stage, writing books and planning reunions, visit our website:

alumni.kcl.ac.uk/classnotes

OBITUARIES

FOR FULL DETAILS, VISIT US AT:

alumni.kcl.ac.uk/obituaries

SURGEON, CHILD ACTOR, ARTIST AND SAFARI PARK ENTREPRENEUR



DR GERALD MOORE
(*Guy's, Dentistry, 1949*)

Gerald Moore has died aged 91. He was an oral surgeon with a successful Harley Street practice. This, however, was just one aspect of a richly colourful life.

Gerald was born at Guy's Hospital. Following an eclectic early education, at 14 he enrolled at the Italia Conti Academy of Theatre Arts. From here, he landed a career as a child actor, and appeared in many films with stars including Petula Clark, Thora Hird, Bob Monkhouse and Irene Handl. After 'retiring' he studied at Guy's Medical School. He even turned down a Hollywood contract in favour of studying. He graduated in dentistry and later in medicine in Dublin, which set him up for a successful career as a surgeon. His patients ranged from pop stars to politicians and included Sir Cliff Richard and Harriet Harman.

Outside of the surgery, Gerald followed many other paths. Art was a passion and he became a widely exhibited painter and sculptor. He also wrote poetry, novels and an autobiography. In the 1960s, he turned the grounds of his palatial family home, Heathfield Park, into a successful wildlife park. He also had a motor museum, displaying vehicles such as the original Chitty Chitty Bang Bang, Lady Penelope's FAB1 from *Thunderbirds* and Rudyard Kipling's last Rolls-Royce.

After his first wife Irene's death, Gerald married Ruth and retired to Devon. In 2012, he set up the Gerald Moore Gallery at his former school, Eltham College, where many of his works are now on display.

LEGAL PIONEER AND HUMAN RIGHTS CHAMPION



SIR LOUIS BLOM-COOPER QC, FKC
(*Law, 1952*)

Sir Louis Blom-Cooper, the eminent lawyer, has died aged 92.

After studying at King's and Fitzwilliam College, Cambridge, Sir Louis was called to the Bar at Middle Temple in 1952. He worked on many landmark cases as a barrister and later as a deputy

high court judge, and was appointed a Queen's Counsel in 1971, becoming Head of Chambers at Goldsmith's Buildings. He later joined Doughty Street Chambers, a human rights practice.

Sir Louis chaired many public inquiries including the Mental Health Act Commission from 1987 to 1994. Between 1989 and 1990, he was Chair of the Press Council, the forerunner to the Press Complaints Commission. He was also a prolific legal author and journalist and wrote for *The Guardian* and *The Financial Times*.

A pioneer and trailblazer, Sir Louis' work foretold, and often led to, important changes in law. He was a passionate advocate for human rights, championed penal reform and campaigned against the death penalty. In 1961, he helped found Amnesty International by publicising an appeal for amnesty for political prisoners.

FINDING A VOICE AS WRITER AND LIFE COACH



Photo courtesy of Rimal Books

SHERINE BEN HALIM
(*English, 1986, MA, 1990*)

Sherine Ben Halim, writer and life coach, has died aged 54.

Sherine's father was the former Prime Minister of Libya. Her family fled the country when she was just five years old and she lived much of her life in exile. She made Palestine, Syria, Lebanon, Iraq, Iran and the UK, where she studied at King's, home. In later life, she wrote the cookbook *Under the Copper Covers*, which explores her experiences away from home through the dishes she came to love and consider part of her identity. Her friend, alumnus Stephen Spencer (English, 1986), described her as having 'vitality, humour, curiosity and a deep and personal interest in the people she met. It is no surprise that she became a life coach in later life, since she was on a mission to help people.'

DIPLOMATIC HISTORIAN, TEACHER AND BON VIVANT



PROFESSOR MICHAEL DOCKRILL FKC

Michael Dockrill, the leading diplomatic history professor and scholar, has died aged 81.

Mike was a lecturer and Professor of Diplomatic History at King's for over 30 years. Few did more to promote the study of the history of British foreign policy, and generations of students benefited from his deep knowledge of 20th-century history and his good humour.

Mike was a published scholar on diplomatic history and strategy. He also served as the founding editor of the Palgrave Macmillan Studies in

Military and Strategic History, to which he encouraged young scholars to contribute. He chaired the British International History Group and promoted Anglo-German research collaboration.

Mike studied international history at the London School of Economics and American history at the University of Illinois, returning to LSE to complete his PhD. He was a fellow at the Institute of United States Studies, Yale University and the Royal Historical Society.

Mike was at the heart of department life for many years and is remembered fondly.

GREEN INVESTMENT PIONEER



TESSA TENNANT OBE
(*Environmental Sciences, 1983*)

Tessa Tennant, the green investment campaigner, has died aged 59.

Tessa devoted her career to making corporations and fund managers invest their money more responsibly. She set up the UK's first green investment fund, the Merlin Ecology Fund, in 1983. She went on to found associations that lobbied for green and socially responsible investment in the UK and across Asia. Tessa was behind the drive for companies to disclose their greenhouse gas emissions. The Carbon Disclosure Project, which she co-founded, now involves over 6,000 companies across the globe. Tessa's work had a huge impact. Colleagues described her as a visionary with a wonderful ability to bring people together and drive real progress. She was awarded an OBE and received a Lifetime Achievement Award from the *Financial Times* and International Finance Corporation just months before she died, in 2018.

OBITUARIES

FOR FULL DETAILS, VISIT US AT:

 alumni.kcl.ac.uk/obituaries

**PROFESSOR
ALESSANDRO DE VITA**



Alessandro De Vita, Professor of Physics at King’s, has died aged 53. Alessandro worked at the universities of Keele, Oxford, Cambridge and Trieste and at the Swiss Federal Institute of Technology, before joining King’s in 2003. He was a key member of research networks including the JCMaXwell CECAM UK Consortium and the EU’s Psi-K. He co-founded and was King’s Director of the Thomas Young Centre. Colleagues described him as an outstanding scientist, a great teacher and mentor and a source of inspiration for all.

**PROFESSOR
MICHAEL WALKER OBE**



Michael Walker, former Head of King’s School of Natural & Mathematical Sciences and telecommunications expert, has died aged 71. Michael was a mathematician who, after working in academia, moved into telecoms. He spent many years at Vodafone where he was responsible for research and innovation, cybersecurity, intellectual property and technology standards. He made a huge contribution to telecoms, including to today’s smartphone technology and he was instrumental in SIM card, 3G and other pioneering projects. Michael was a Fellow and council member of the Royal Academy of Engineering, President of the Institute of Mathematics and its Applications and Chair of the European Telecommunications Standards Institute Board (2008–2011). He held roles at several academic institutions including King’s.

Photo courtesy of The European Telecommunications Standards Institute

**DR EDWARD YATES
(Geography, 1950)**



‘Ted’ Yates has been described as a ‘geographer in the true sense of the word’. After serving in the Royal Air Force throughout the Second World War, he came to King’s in 1947 to study Geography. In 1955, Ted was appointed lecturer at King’s and began his 30-year career at the university. His breadth of knowledge was legendary. His background in maths and physics, along with his proficiency in languages, allowed him to range widely across different aspects of the discipline, from physical to human geography. Ted was also an inspirational field teacher, setting up the Rogate Field Centre for King’s. He continued to research and write long after retirement.

DR MARTIN HALL



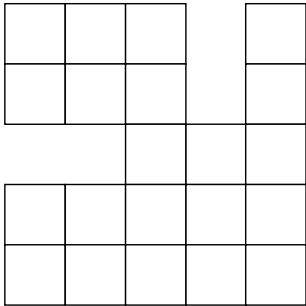
Dr Martin Hall, a former lecturer in Eighteenth-century French Studies, died suddenly in April last year. Martin was a hugely popular and well-respected lecturer at King’s who taught in the Department of French for over 35 years. Martin’s teaching was characterised by his sharp intellect and encyclopaedic knowledge, his wonderful sense of humour, and the deep commitment he showed all his students throughout their time at King’s. The department has set up ‘The Martin Hall Prize in Eighteenth-century French Studies’ in memory of a much-missed colleague, lecturer and friend.

LOGIC puzzles

This issue’s puzzles have been set by the students at King’s Maths School following their end of term ‘mathsaganza’. The School is run in partnership with King’s College London, providing high-quality mathematics education in the heart of London.

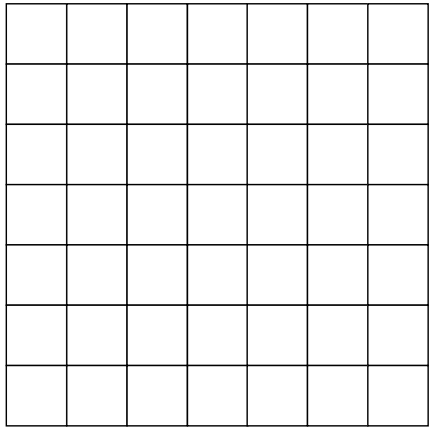
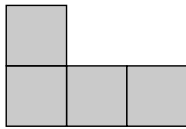
HOW MANY SQUARES?

How many squares are shown below?



TETRIS

Can you use non-overlapping L-shaped Tetris pieces to cover every square bar one on the 7x7 grid below? Rotations and reflections are allowed.



For which odd x odd sized grids is this possible?

For which even x even grids can you cover every square with non-overlapping L-shaped Tetris pieces?

SIX-YEAR-OLDS

This is a problem that six-year-olds solve very quickly, while university professors take a long time...

Each number on the left is associated with each number on the right.

99000	→	5
23256	→	1
73531	→	0
15722	→	0
22222	→	0
55523	→	0
88888	→	10
99999	→	5
33721	→	0
66988	→	7
83725	→	2
96007	→	4
11102	→	1
77666	→	3
87656	→	4
60751	→	?

What is the number associated with 60751?



Did you get all four solutions?

We have 50 Reggie pin badges to give away. To be in with a chance of winning one, just contact us with your solutions by 30 June 2019. Email your solutions with ‘InTouch puzzle’ in the subject line.

 forever@kcl.ac.uk

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Solutions are now available on the website for last issue’s crossword. The solutions for the puzzles on this page will be available from July 2019.

 alumni.kcl.ac.uk/puzzles

Emily Berrington RECOMMENDS

Emily Berrington (Development Geography, 2008) is an English actress, best known for her role in the Channel 4 TV series Humans. After graduating from King's, Emily spent a year working for the Labour Party before gaining a place at the prestigious Guildhall School of Music and Drama. Emily has appeared on stage and screen, with credits including Dead Funny (Vaudeville Theatre), The Miniaturist (BBC) and Outnumbered (BBC).

She combines her career as an actor with voluntary work and campaigning for social issues. Every week, Emily volunteers for GoodGym, which involves visiting isolated people in the community.

Favourite piece of music?

Paul Simon's *Obvious Child*.

Treasured childhood memory?

Family camping holidays in our trailer tent with my parents and siblings. Specifically waking up to the smell of breakfast cooking outside on our little camping stove.



Emily in *Humans* (Channel 4)



Advice you would give to someone wanting to pursue a career in the arts?

When I decided to pursue a career as an actor, fees were so much lower, so I could find a way to do two degrees. I realise that isn't realistic for most people now – and wouldn't have been for me either.

My advice would be to do as much research as you can and don't be afraid to ask for help. Talk to people and ask them where they trained or how they got their first job. I started by looking at drama schools whose alumni were doing the kind of work I wanted to do. Look at making your own work too – even if it's just a way of increasing your range of experience. University is a great place to do this. You'll easily find a budding director, costume designer, actor or musician who might want to collaborate. Finally, have other things you enjoy doing, and if they pay the bills – even better!

Biggest achievement?

If we're talking work-related, probably managing to make a living as an actor. I never thought it would be possible and I feel very lucky.

Standout memory of King's?

A night in the weeks before second-year exams when the Maughan Library was open 24 hours. Just about everyone I knew seemed to be there, and by 4am we'd all become slightly delirious. I think there was a game of hide and seek... It turned from a moment of great anxiety and stress to total mad joy.

Artificial intelligence – humanity's salvation or a risk to the vulnerable?

This topic is close to my heart because of my role in the television series *Humans*. I'm often cautious of new developments in technology and then discover they can offer so much. I refused to have a mobile phone for years. With artificial intelligence, the unknown element is so great. I suppose the question I would ask is – even if we can achieve such a huge technological leap, should we?

KEEP UP TO DATE WITH EMILY:

 [@emily_berrington_](https://www.instagram.com/emily_berrington_)

ALUMNI WEEKEND 7–9 JUNE 2019

METAMORPHOSIS

What does it take to change?

From ideas to identity, from approach to action, the impact of transformational change can be far-reaching.

Join us at this year's Alumni Weekend for an exploration of metamorphosis. Hear King's expert insight into the current hot topics and debate with scholars and fellow alumni. Revisit the campus you know so well and consider your own transformation from student to alumni.

To find out more and to book your place, please visit:

 alumni.kcl.ac.uk/events

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