

EMMANUEL 2026
REVIEW





CONTENTS

VIEW FROM THE LODGE	2
RESEARCH	4
EMMA STUDENTS	8
EMMA COMMUNITY	14
EMMA BUILDINGS	16
FINANCE & DONOR REPORT	20
INSIDE EMMA	26

VIEW FROM THE LODGE

I am writing just after my fifth graduation ceremony, half-way through my tenure as your Master. It's a moment when the past and future of the college feel close together, with the familiar courts, trees and pathways carrying a community that has changed more in depth than outline. What has shifted most over the last five years is how our students live here and the pattern of life around them.

My first autumn here was shaped by Omicron and building works. Cranes, hoardings and social distancing reminded us that we were trying both to reconnect after the pandemic and reshape the estate for a more coherent pattern of living and learning. The pool, paddock, chapel and bar were not simply amenities; they were instruments of recovery, coaxing people back into shared time and space.

The changes that followed have settled into everyday life. Fiona's, the new bar and function spaces, and Young's Court have drawn students towards a new centre of gravity where the library, accommodation and social spaces lie close together. Undergraduates can now live on the main site for their first three years, reinforcing how work, rest and conversation are interwoven rather than scattered across the city.

Our community has also grown in size and texture. The post-doctoral membership has moved from concept to reality, with over 90 members developing their own identity and energy. Bringing them into closer contact with postgraduates has created a new layer of intellectual and social life, sitting between the formality of the Fellowship and the more intense rhythm of undergraduate study. At the same time, Emma Experience helps students make sense of their time here, from first supervisions to the increasingly demanding transition into employment.

By conventional measures, Emmanuel is in good health. Applications remain strong: in the last cycle more than 1000 applied and around 900 were interviewed. Academically, we sit in the top third of the university, with Fellows and students gaining recognition beyond our walls. On the playing fields, in the boathouse, music rooms and society meetings, participation is strong and outcomes impressive.

Despite these encouraging signs, we can see clearly the work to be done. Data reveal academic attainment gaps we cannot ignore, and conversations with students confirm that the transition to employment is demanding. The first year remains a critical period when confidence can be built or eroded, and we are broadening and deepening the careers exploration strand of Emma Experience, including more opportunities for internships, placements and networking.

IF WE ARE SERIOUS ABOUT CONTRIBUTING TO SOCIETY THROUGH EDUCATION AND RESEARCH, WE MUST PREPARE OUR STUDENTS NOT ONLY TO NAVIGATE THAT LANDSCAPE AND HELP SHAPE IT

The horizon is shaped as much by technology as by architecture. The development of 18- to 24-year-olds remains broadly constant, but the world around them is changing at an unprecedented rate. AI, automation and new forms of knowledge production will alter the skills our students need. If we are serious about contributing to society through education and research, we must prepare our students to navigate that landscape and help shape it.

These challenges sit within the three strands of our Towards 450 narrative. Supporting individual journeys is a key priority, asking us to think afresh about supervision, academic development, and how we cultivate creativity and collaboration alongside technological fluency. Second, research collaboration builds on the interdisciplinarity made possible by our growing postdoctoral and postgraduate communities. The third, optimising our estate, includes refurbishing the coach houses between the library and Park Terrace into a new human creativity hub, with an art centre and digital maker space, guided by a sustainability strategy that will eventually get us off gas.

None of this can be achieved by standing still. While we currently break even financially, the status quo is not sufficient if we are to widen access, sustain research as state funding declines and equip students to master generative AI tools in the changing workplace. Establishing a Fellow in academic development, funding more PhDs, expanding support for internships and placements, and evolving our extracurricular provision are not optional extras; they are how talented young people, regardless of their backgrounds, can thrive here.

As we approach our 450th anniversary in 2034, I know that every generation of members has played a part in preparing Emmanuel for its future. The place itself, with its low buildings, irregular edges and green spaces, has carried us through centuries of change and shaped a college where belonging lasts a lifetime. We must ensure that those who join us between now and 2034 leave feeling not only that we equipped them for what follows, but that they helped prepare Emma for its future, just as you did.

Doug Chalmers, Master

THE SECOND QUANTUM REVOLUTION

YUSUF KARLI
JOHN & DOROTHY MEGGITT FELLOW

At the beginning of the twentieth century, the emergence of quantum concepts transformed our understanding of the Universe and led to the development of remarkable technologies throughout the century, such as the transistor, lasers and magnetic resonance imaging (MRI). Today we refer to this period as the first quantum revolution, because we are now entering what is widely called the second quantum revolution.

In this new era, the focus is not only on the concepts of quantum physics, as in the first revolution, but also on controlling and engineering 'pure quantum objects' themselves. If we can reliably generate such objects, control their interactions and preserve, store and distribute their quantum properties, they will enable new technologies. These include ultra-secure communication, computational capabilities far beyond those of classical computers, and many other applications across fields ranging from healthcare and industry to science and engineering.

In particular, quantum communication promises secure transmission of information and the possibility of large-scale quantum networks. Photons (particles of light) are ideal carriers of quantum information because they can travel long distances through optical fibres with minimal loss. However, building reliable sources capable of generating quantum light with well-controlled quantum properties has

been one of the central challenges in the development of quantum technologies.

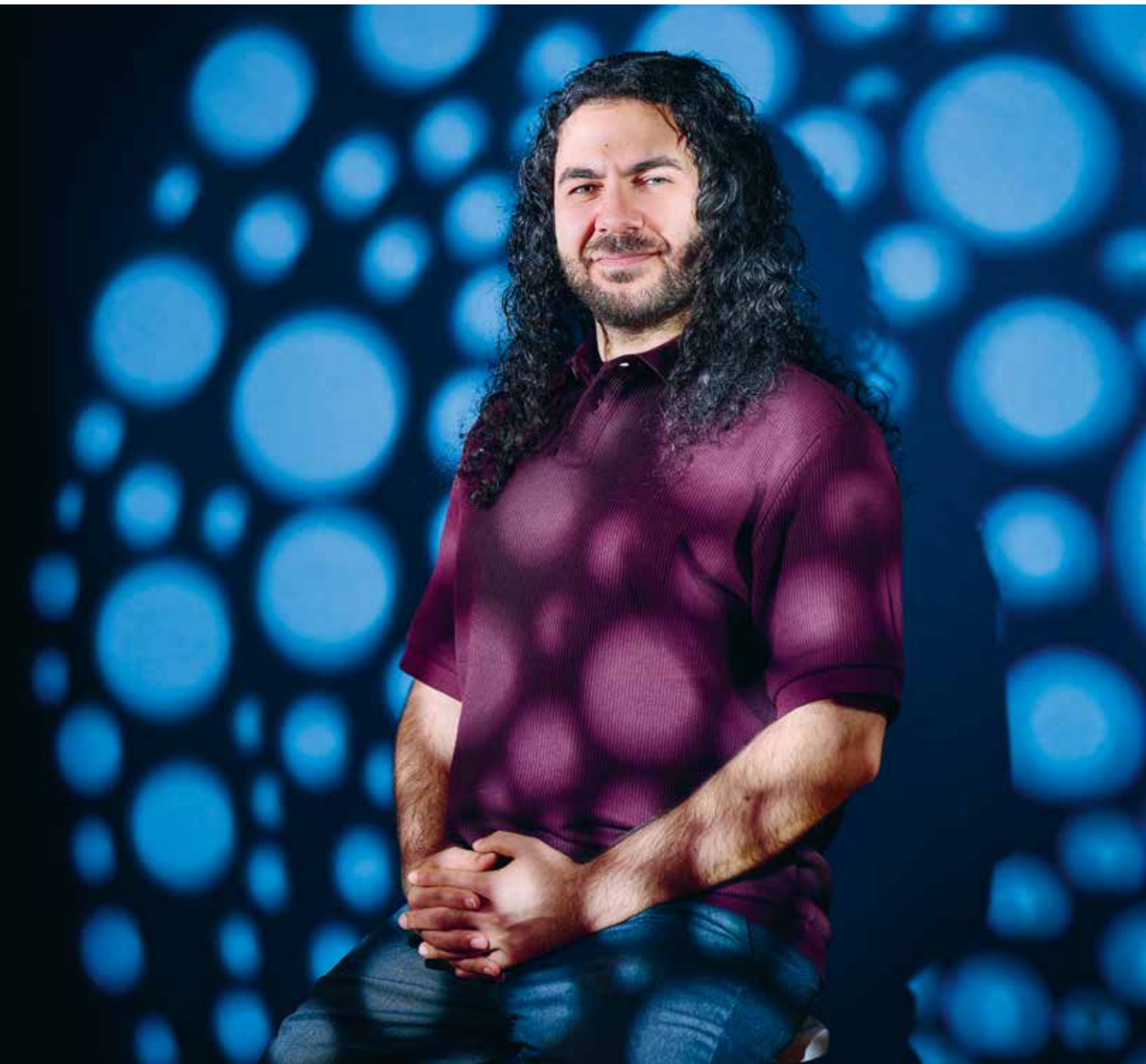
One promising approach, based on quantum dots, has recently begun to overcome this challenge. These nanoscale structures behave in many ways like artificial atoms: when excited by a laser pulse, they can emit single photons on demand. Because of this property, quantum dots are attractive candidates for generating quantum light, which forms the basis of photonic qubits (quantum bits encoded in the state of a single photon). Such photons are the fundamental building blocks of quantum communication protocols and distributed quantum computing architectures.

In recent years, my research has focused on developing new methods to control the generation of this quantum light. One major outcome has been the demonstration of a new photon-generation technique known as the SUPER scheme (Swing-UP of quantum EmitteR population). In this method, two laser pulses with energies slightly lower than that of the system are used to generate a single photon with high quality. Since its introduction, the SUPER scheme has attracted considerable interest and is now actively studied by both theoretical and experimental groups worldwide.

ANOTHER IMPORTANT DIRECTION IN QUANTUM TECHNOLOGIES
CONCERNS THE STORAGE AND DISTRIBUTION OF QUANTUM
INFORMATION, OFTEN REFERRED TO AS QUANTUM MEMORY

MY CURRENT RESEARCH EXPLORES
HOW QUANTUM DOTS CAN ACT
AS INTERFACES FOR STORING
QUANTUM INFORMATION BETWEEN
LIGHT AND MATTER IN FUTURE
QUANTUM NETWORKS

Another important direction in quantum technologies concerns the storage and distribution of quantum information, often referred to as quantum memory. My current research, in collaboration with Professor Dorian Gangloff and Professor Mete Atatüre, explores how quantum dots can act as interfaces for storing quantum information



between light and matter in future quantum networks. In these systems, the spin of a single electron confined in a quantum dot can interact with the surrounding nuclear spins of the host material. By carefully controlling this interaction, it becomes possible to store quantum information in the collective nuclear environment, while photons carry that information across a network.

The long-term goal of this research is to develop scalable architectures for distributed quantum technologies, in which quantum

THE LONG-TERM GOAL OF THIS RESEARCH IS TO DEVELOP SCALABLE ARCHITECTURES FOR DISTRIBUTED QUANTUM TECHNOLOGIES, IN WHICH QUANTUM PROCESSORS SEPARATED BY LARGE DISTANCES CAN COMMUNICATE THROUGH PHOTONIC LINKS

processors separated by large distances can communicate through photonic links. Semiconductor quantum dots offer a promising route towards this vision: they combine the controllability of atomic

systems with the scalability of semiconductor fabrication. Understanding and engineering their quantum properties is therefore an important step towards building the quantum networks of the future.



SEVENTEENTH-CENTURY PLUCKED-STRING METAPHYSICS

PETER ELLIOTT
COLLEGE RESEARCH ASSOCIATE
SPONSORED BY THE ANTHONY WHITING FUND

‘The left Hand under ye Lute, which sustaineth it, & at ye same time maketh ye Stoppes upon ye Strings, is ye Soule in its Inferiour part, as it maketh one compound with ye Body, sustaining, enlivening, & Act[ivat]ing It ...’

So writes Peter Sterry – theologian, sometime chaplain to Oliver Cromwell, and Emmanuel graduate and former Fellow – in his unpublished essay ‘The Consort of Musicke’. It is but one example of the lute serving as an extended metaphor for some metaphysical object or operation that can be found in the writings of this seventeenth-century thinker, whose stained-glass figure graces a south-side window of Emmanuel’s chapel. Yet Sterry was far from alone in such use of the lute for philosophical purposes. Metaphorical lutes are no strangers to that network of philosophers with which Sterry is associated, the Cambridge Platonists; nor, indeed, are real-life instruments. Lute metaphors feature prominently in the works of Ralph Cudworth, Nathanael Culverwel and Henry More, and More’s correspondence and biography testify to his habit of playing an actual instrument.

My research project, therefore, focuses on reconnecting the metaphysical ‘target domain’ of these metaphors to the physical ‘source domain’ of seventeenth-century English lute music, in order to more accurately and fully elucidate the philosophical ideas each of these authors was seeking to convey metaphorically.

All too often, when it comes to framing the philosophical meaning of a musical metaphor, the very process and embodied experience of making music is left out of the picture. As a result, many rich details of an intended idea get lost in transmission, which can lead to a lack of nuance or clarity in its subsequent reception and interpretation.

By combining conceptual metaphor theory with a practical knowledge of contemporary lute repertory, I bring the tangible and audible details of lute-playing to bear upon the ideas of Sterry, Cudworth, Culverwel and More, so as to enhance our understanding of not only how these thinkers conceived of Cartesianism and Platonism, Divine providence and human freedom, and mind and matter interacting, but also why – in such an endeavour – the lute was their intellectual instrument of choice.

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THE BELL PARADOX

GRACE KENYON (2022), POSTGRADUATE, MUSIC

Until coming to Cambridge, bell sounds played a passive soundtrack to my day-to-day life. Joining a chapel choir for the first time turned out to be a transformative experience in which a once distant and decorative pealing took on a narrative voice in my life. It spoke to my creative instincts, and I began trying to understand its language for the first time. Bells are intrinsically mysterious objects, and mystery is built into the structure of their sounds. Perhaps it is this innate obscurity that has garnered such intense cultural fascination across historical periods, regions and academic circles. It supports bells' capacity to convey multiple meanings and to serve different functions: as signals, time-markers, spiritual symbols, musical instruments and more.

JOINING A CHAPEL CHOIR FOR THE FIRST TIME TURNED OUT TO BE A TRANSFORMATIVE EXPERIENCE IN WHICH A ONCE DISTANT AND DECORATIVE PEALING TOOK ON A NARRATIVE VOICE IN MY LIFE

The structure of bell sounds is paradoxical both sonically and spatially. I have been particularly interested in the irregularity found in large bell sounds known as the 'strike-note paradox', a phenomenon in which the sounding pitch you hear from the strike doesn't actually exist within the sound spectrum. Historical analysis has suggested that the sound is generated internally by the brain/ear through a fusion of upper frequencies. The idea of bell pitches being 'virtual' creations by the body fascinated me, particularly given the spatial distancing of numerous kinds of bells (e.g. church bells), which are made to be heard across great

distances without being seen or touched. I began learning how to ring, and started incorporating my experiences by working them into my compositions.

Church bells are like co-writers in the compositional process, or really stubborn assistants. My work has focused specifically on how the spatial capacities of bells can inform the creation of contemporary music, with particular emphasis on the contradictory nature of bell sounds. These are both physically manifested yet distanced, and it was this juxtaposition that became an important focus of my creative study.

One of my works this year, *Tintinnalogia*, interprets this ambiguity as a dialogue between handbells (touched, seen, flexible application) and church bells (never touched, rarely seen, inflexible application), which explore similar kinds of musical material on different scales. It was specifically written for the six bells of St Bene't's Church, where I had done some ringing myself, which are intriguing as you can see the ringers from inside the church and so link the sound directly to people making it, and can hear how resonant the sound is in the internal space. Bells are fascinating and unforgiving instruments, requiring the composer to adjust more significantly to their limitations than other instruments: speed of the swing, amplitude, location etc. This challenge was an exciting one to tackle and continues to be an informative one in my development as a composer.

Uncovering the structures behind these sounds has kept leading to more questions but, as I prepare for my forthcoming recording of the piece, I look forward to engaging with them in performance.

MY WORK HAS FOCUSED SPECIFICALLY ON HOW THE SPATIAL CAPACITIES OF BELLS CAN INFORM THE CREATION OF CONTEMPORARY MUSIC, WITH PARTICULAR EMPHASIS ON THE CONTRADICTIONARY NATURE OF BELL SOUNDS





KEEPING MEDICINE HUMAN IN THE AGE OF AI

NEIL SARDESAI (2021), POSTGRADUATE, CLINICAL MEDICINE

The most important moments in medicine are often the least algorithmic. During one clinical placement, I watched a surgeon discuss treatment options with a patient whose thyroid cancer could be treated with more extensive surgery, but only at the risk of life-changing consequences, including damage to their voice. Leaving more tissue untouched might preserve their quality of life, but would also mean living with the possibility that the cancer could grow again. There was no single correct answer. The decision depended not only on medical knowledge, but also on how the patient understood uncertainty, risk and what mattered most to them.

That tension is what draws me to artificial intelligence (AI) in medicine. My first experience of the field came in my first undergraduate year, working with large datasets in emergency and pre-hospital care. I was struck by the scale of the possible impact: a well-designed system could influence care far beyond one ward or hospital. As I progressed through clinical training, I began to see the other side of the problem. Medicine is not simply the search for the statistically best answer; it's also the process of helping make sense of uncertainty.

This summer, at Harvard Medical School, I have been working on a proof-of-concept system exploring whether AI can contribute to clinical reasoning. Using simulated patients, the tool can hold a conversation, guide

someone through parts of a physical examination, interpret what it sees and hears, and suggest an appropriate next step.

It is remarkably good at recalling medical knowledge and applying it to a scenario. What it cannot truly reproduce is the less tangible part of the doctor-patient relationship: the empathy, compassion and human presence that allow someone to feel genuinely understood. These qualities can be imitated, but not replaced.

I do not think the answer is to reject the technology. Used carefully, AI has considerable potential. It could widen access to high-quality guidance, particularly in rural or under-resourced settings, and help clinicians keep pace with the latest, ever-changing evidence. Other projects I have worked on, including ambient voice technology that helps document consultations and produce clearer letters, may allow doctors to spend less time looking at screens and more time observing their patients. I believe the challenge is to make efficiency serve the clinical relationship, not erode it.

That challenge cannot be solved by doctors or engineers alone. In March, we hosted the inaugural Cambridge Health Futures Conference at Emmanuel, bringing together

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FOR DOCTORS TO TALK TO THEIR PATIENTS

more than 150 attendees from over 25 universities. What stayed with me most was how students from many disciplines were turning conversations into ideas. Yet the most important voices must be those of patients themselves: they should help shape these technologies from the beginning, rather than being consulted only after the important decisions have been made.

Teaching at Emmanuel has made this question feel less abstract. When supervising, the challenge is rarely just knowing the answer. It is finding a way to explain it clearly, noticing when an explanation has not landed, and trying again from a different angle. Medical AI faces the same test: retrieving information is not enough unless it can communicate it in a way that helps someone understand and decide.

MEDICINE IS NOT SIMPLY THE SEARCH
FOR THE STATISTICALLY BEST ANSWER;
IT'S ALSO THE PROCESS OF HELPING
MAKE SENSE OF UNCERTAINTY

I want to help build systems that make good care easier to reach and give clinicians better tools, without mistaking fluency for understanding. The best medical AI should leave more room, not less, for doctors to talk to their patients.

SPACE FOR CREATIVITY

AVA ROURKE (2024), UNDERGRADUATE, MODERN & MEDIEVAL LANGUAGES
GRACE LEUNG (2024), UNDERGRADUATE, MEDICINE

We have had a brilliant first year running Emmanuel College Art Society, and it has been wonderful to watch it grow over the past few terms. Since founding the society we have been running weekly sessions ever since, rounding off the year with a May Week exhibition in the Fellows' garden at Emmanuel. Our sessions are welcoming spaces where students of all abilities can come and try out new practices, media and techniques, have some fun, and wind down from the regular rhythm of study at Cambridge.

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We have explored many different media over the past few terms, including watercolours, clay, still life, oils and acrylics. We try to have a different focus for each session, but we love to hear suggestions and will always try to cater to any individual requests. Embroidery has proved extremely popular with students, and it was a lot of fun trying out completely novel techniques such as lino prints and etching. Our once-a-term Bob Ross session, named for the late painter and host of *The Joy of Painting* to

'beat the Week 5 blues' has become a real highlight for us. Week 5 can often be the hardest point in term-time with deadlines piling up and ever-increasing workloads, so Emma Art Soc has been a fantastic and popular way to relax, unwind and step away from the busyness of college life. It is always great to see the brilliantly varied, creative works students will produce just within the short span of our sessions.

We have a few ideas for new projects in the future, including making macrame plant hangers, jewellery-making and up-cycling materials for sculptures and mosaics. We are currently running our sessions in the Old JCR and it is incredibly exciting to hear that plans are underway for a more permanent art space in the college, which will open doors to new ways of working, creating and collaborating.

A major priority for us has been ensuring that the society is a welcoming space for everyone, regardless of artistic experience, to enjoy working on a piece. We would like to thank all current members of Emma Art Society for making this such a friendly and welcoming community and are extremely grateful that the college has supplied us with such a rich and diverse array of materials. We have absolutely loved running the art society and we cannot wait to continue to see its progression over the coming years!

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'HOW ARE YOU, EMMANUEL?'

A network of support keeps wellbeing at the heart of everything we do

JACK COOPER, ENGAGEMENT MANAGER

At Emmanuel, student wellbeing is not housed in a single office, nor entrusted to a single role. It is better understood as a constellation of support: a network of people and practices that enable students to understand their needs and build important skills for life. Ultimately, students and scholars must be able to thrive in an academically rigorous environment, develop as well-rounded individuals, and build positive futures for themselves, their communities and the world. Emmanuel's ambition is now, as it has always been, to ensure that is possible.

The college's wellbeing strategy plays to its strengths. As a close-knit and relatively small community, the college can provide personalised support to each student's journey.



SUSIE PECK | DEPUTY HEAD PORTER

To facilitate this, a network of contact points has been identified and nurtured so that students can be directed to the best help. That support can come in many forms: from the Porters' Lodge, tutorials, peer networks and counselling. Fitness, building non-academic skills and pastoral care all have important roles to play.

For Susie Peck, Deputy Head Porter, visibility matters. The porters are often the last and first people students see when they leave and return to college, meaning that continuity and compassion need to be at the heart of their operations.

'These days, the Porters' Lodge is much more than a place to collect keys and post', says Susie. 'It also offers a quiet place where students always get a warm welcome and, when it's needed, a cup of tea and a listening ear.'

Students often develop friendships with porters, with the lodge acting as an informal third space: a familiar place both connected with the college as a home but also separated from students' academic outcomes. Every Porter receives mental health first aid training to provide guidance and works with students' tutors to provide continuing support.

The tutor-student relationship is an important part of the Cambridge experience, and one that can involve 'considerable emotional labour', according to Muzaffer Kaser (2022), Fellow and Affiliated Assistant Professor at the university's department of



MUZAFFER KASER | FELLOW & ADVISER TO TUTORs

[MUZAFFER] RUNS REFLECTIVE PRACTICE SESSIONS WHERE TUTORS CAN DISCUSS ALL ASPECTS OF TUTORIAL WORK, AND PROVIDES GUIDANCE ON MENTAL HEALTH MATTERS, HELPING TUTORS TO SUPPORT STUDENTS CONFIDENTLY AND APPROPRIATELY

psychiatry. At Emmanuel, Muzaffer advises tutors handling scenarios where students are in periods of high stress or struggling with issues that may be affecting their mental health. He runs reflective practice sessions where tutors can discuss all aspects of tutorial work, and provides guidance on mental health matters,

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helping tutors to support students confidently and appropriately.

Tim Ellis, Emmanuel's college counsellor, provides a personalised service for undergraduate and postgraduate students who might benefit from one-on-one support. Students book appointments with Tim to discuss immediate and longer-standing issues that might affect their academic and personal lives. He focuses on helping students develop resources for handling difficult situations: a 'psychological education' that supports effective study and a positive sense of self. Tim also offers online sessions, which can be particularly helpful for students who would like to continue a programme outside term-time.

Following a programme of support, one student said to Tim: 'I want to thank you for your immense help during those tough times.'



TIM ELLIS | COLLEGE COUNSELLOR

[TIM] FOCUSES ON HELPING STUDENTS DEVELOP RESOURCES FOR HANDLING DIFFICULT SITUATIONS: A 'PSYCHOLOGICAL EDUCATION' THAT SUPPORTS EFFECTIVE STUDY AND A POSITIVE SENSE OF SELF

Your empathy and kindness were essential for me to focus on finishing my degree and returning to good mental health.'

One of the first ports of call for many students is Taryn Rothwell, Community Health Practitioner, a registered nurse who brings clinical knowledge and a commitment to compassionate wellbeing support. Taryn has recently joined Emmanuel, bringing a strong belief that 'every point of contact matters'. From minor illnesses and injuries to support with long-term conditions, Taryn listens to students and discusses the options for getting the help they need. Taryn is keen to 'meet students where they are', working from a recently refurbished health centre off Front Court, placing wellbeing quite literally at the heart of the college: visible, accessible and normal.

The Emma Experience programme encourages connection, skills-building, volunteering and fitness. The college community is invited to take part in yoga, pilates and fitness coaching, receive practical and sensitive careers advice, and hands-on workshops. ECSU and the MCR, representing undergraduate and postgraduate communities respectively, play an important role. Societies that bring together students through shared interests, identities and concerns, reflect the lived experiences and expertise of their members. The chapel and a



TARYN ROTHWELL | NURSE & COMMUNITY HEALTH PRACTITIONER

multi-faith room also provide space for prayer, meditation and reflection.

At Emmanuel, wellbeing is less a service to be accessed than a culture to be lived: present in everyday encounters, strengthened by trusted relationships, and sustained by a shared commitment to notice, listen and respond. In that sense, the question 'How are you?' becomes more than a greeting. It is a reminder that every student's flourishing depends on a community attentive enough to ask and equipped to help.

AT EMMANUEL, WELLBEING IS LESS A SERVICE TO BE ACCESSED THAN A CULTURE TO BE LIVED

HIDDEN IN PLAIN SIGHT

Exploring centuries of history behind Park Terrace before a new chapter begins

JACK COOPER, ENGAGEMENT MANAGER

Park Terrace, on the north-east edge of the college site, forms an elegant fringe to Parker's Piece. Its grey brick façades, cast-iron balconies and tall sash windows combine to create what architectural historian Jeremy Musson called 'the best early nineteenth-century set piece of Cambridge's streetscape'.

In the early 1980s, thanks to the far-sighted mastership of Derek Brewer and generous contributions by members, the college acquired much of Park Terrace and students have enjoyed life inside these buildings since. But what most never see, or pay much attention to, is the world behind these houses: a narrow, atmospheric assemblage of service lanes, outbuildings and a medieval wall that predates almost all the extant fabric of the college. If the front of Park Terrace represents Cambridge at its most composed, the rear tells a story that is older, more down-to-earth and, arguably, just as interesting.

The strip of land that comprises the Park Terrace site sits neatly between the medieval wall and the course of a late-seventeenth century roadway. The wall, which separates the strip from the Paddock, marks the limit of the Dominican Friary that originally occupied the college site and once represented the eastern boundary of Cambridge. Fragments of its original medieval fabric survive at a low level, fixing the story of Park Terrace into a framework older than the college itself, anchoring the area to its monastic past.

Today, running parallel to the wall, are a pair of narrow nineteenth-century access lanes, originally laid out to service the then-new houses of Park Terrace, which were constructed piecemeal between 1831 and 1841. This lattice of back routes allowed everything from coal, laundry and food, to housekeepers and carriages, to enter and exit discreetly, preserving the calm of the front elevations.

IF THE FRONT OF PARK TERRACE REPRESENTS CAMBRIDGE AT ITS MOST COMPOSED, THE REAR TELLS A STORY THAT IS OLDER, MORE DOWN-TO-EARTH AND, ARGUABLY, JUST AS INTERESTING



A SELECTION OF PHOTOGRAPHS SHOWING ARCHITECTURAL FEATURES OF THE COACH HOUSES



AS THE COLLEGE LOOKS AHEAD TO NEW FORMS OF USE FOR THESE OUTBUILDINGS, USES THAT WILL DRAW LIFE BACK INTO THESE LONG-HIDDEN CORNERS, IT DOES SO WITH THE EXTRAORDINARY PRIVILEGE OF BEGINNING NOT WITH A BLANK SLATE BUT WITH A PALIMPSEST

Behind each house stretches a long, slender garden plot, many of which are enclosed by a stable, coach house, workshop or garage. Several of these survive and some pre-date the building of the main terraces, originally serving numbers 7 and 8, the earliest houses on the site. These buildings are replete with vernacular architectural features, including hay racks, small fireplaces and first-floor loading doors, capturing a moment when the site was still a semi-rural fringe: a place where horses were watered and carriages greased before the short drive into the city centre.

One of the outbuildings, dating to 1889, retains its full stable interior: granite wall-guards to protect the brickwork from hooves, drainage channels, bisected stable doors and a space-saving iron spiral stair curling elegantly upward. This building is a miniature time capsule of domestic Victorian equestrian life hiding in plain sight.

Over time, as technology and preferences shifted, the outbuildings evolved. Bicycles became a popular mode of transport around the city and horse carriages were supplanted by cars, changes reflected in the construction



of bike sheds in 1909 and several 1960s garages behind the properties. Though of limited heritage value, these buildings are nonetheless an important window to how life in the city changed, and how its service buildings reflected it.

This hidden world can be further contextualised by the stories of Park Terrace residents. Derek Taunt, the mathematician-cum-Bletchley Park codebreaker, lived at number 3, the 1909 bike shed behind his house hinting at the quiet practicality of scholarly life in the decades before and after the war. Numbers 7 and 8 were occupied by Ronald Norrish, Nobel Laureate in Chemistry and Fellow of the college, whose residence was backed by the older, pre-Park Terrace stables. Further along, Frank Thistlethwaite, first Vice-Chancellor of the University of East Anglia and the leading suffragist and politician Clara Rackham called the terrace home.

What makes the service lanes and outbuildings between Park Terrace and the medieval wall so compelling today is precisely this layering: a monastic boundary, Regency urban planning, Victorian service architecture, mid-century adaptation and the life of a college steeped in both tradition and modernity. It is a dense, textured archive in brick and mortar.

As the college looks ahead to new forms of use for these outbuildings, uses that will draw life back into these long-hidden corners, it does so with the extraordinary privilege of beginning not with a blank slate but with a palimpsest. These walls, service lanes and buildings carry seven centuries of Emma's neighbourhood story. Their next chapter might be the most vibrant yet.

A SUSTAINABLE FUTURE

JOSH BIRD, RETHINK BUILDINGS

A sustainable future for Emmanuel

The buildings at Emmanuel have housed a living community of learning, research and fellowship for centuries. As the college looks to the future, sustainability is not only about day-to-day operations, but also about the place itself: the bricks and mortar that make Emma such a distinctive and enduring collegiate environment.

As stewards of this historic estate, this generation holds a responsibility not only to maintain these buildings, but also to adapt and improve them so that they can continue to support Fellows, students and staff sustainably for many years to come.

Over the past six months, we have been developing an energy masterplan for the main site. This work provides a detailed picture of how energy is used across the college: where gas and electricity enter the site, how they are distributed, and how demand varies between different buildings. This exercise has established a base line and quantified something that is already clear from walking through Emmanuel: its buildings are highly diverse, with a wide range of ages, construction types and patterns of use.

Reducing demand sensitively

The historic character of the college inevitably affects what is possible in terms of energy efficiency. However, important work is already under way: in South Court, built in the 1960s, for example, triple glazing and internal insulation are being introduced to improve thermal performance while respecting the character of the building.

AS THE COLLEGE LOOKS TO THE FUTURE, SUSTAINABILITY IS NOT ONLY ABOUT DAY-TO-DAY OPERATIONS, BUT ALSO ABOUT THE PLACE ITSELF: THE BRICKS AND MORTAR THAT MAKE EMMA SUCH A DISTINCTIVE AND ENDURING ENVIRONMENT

In more modern buildings, such as New South Court, Young's Court and the Queen's Building, the fabric already provides relatively good levels of insulation, helping to reduce heat demand. However older areas, including Front Court and the chapel, require more heat during the winter months. Measures such as secondary glazing and roof insulation can help, although deeper fabric retrofit must be considered carefully in these sensitive settings.

Electrifying heat

The college's greatest source of carbon emissions is the use of natural gas, which is burned to provide heating and hot water across the estate, as well as for catering. A key part of a sustainable future will therefore be a transition away from fossil fuels. Heat pumps offer the most efficient form of electrified heating, and will therefore be pivotal in the decarbonisation of the site. Emmanuel has already begun this journey: Young's Court is served by a ground-source heat pump, while South Court is due to move to air-source heat pumps as part of the current refurbishment of the original buildings.

The front portion of the college, including Front Court, New Court and the chapel, presents the greatest challenge. With very limited opportunity for external plant, a more innovative approach will probably

be required. This may include a network solution, capable of carrying low-carbon energy across the estate, to provide discrete low-carbon heat while preserving the character of these buildings.

Generation of renewable energy

The college's rooftops also represent an important potential source of renewable energy. Emmanuel already has extensive photovoltaic arrays across South Court, and further opportunities have been identified. These could ultimately provide up to 15 per cent of the electricity demand for a fully electrified site, making on-site generation an important part of the college's long-term energy strategy.

Executing this masterplan will not be a short-term undertaking. Decarbonising an estate of this scale and complexity will require time, investment and sustained commitment. However, the buildings at Emmanuel now have a roadmap to that sustainable future, providing a clear basis for the changes that will be needed in the years ahead.

EXECUTING THIS MASTERPLAN WILL NOT BE A SHORT-TERM UNDERTAKING. DECARBONISING AN ESTATE OF THIS SCALE AND COMPLEXITY WILL REQUIRE TIME, INVESTMENT AND SUSTAINED COMMITMENT



WAYS WE SAY THANK YOU

ALL DONORS

- listed in the *Emmanuel Review*
- invited to a donor event in years they give, and to occasional garden parties for donors

THE FRANKLAND SOCIETY

Those who pledge legacies to Emmanuel

- offered membership of the Frankland Society
- invited to a special annual event
- sent occasional exclusive communications
- invited to other donor events, and to occasional garden parties for donors

MASTER'S CIRCLE

£50 000 or more received

- offered membership of the Master's Circle
- invited to an annual dinner in college

£100 000 or more received

- invited to the above plus the annual Gomes lecture and dinner

ACORN TO OAK DONOR

£250 000 or more received

- invited to an annual dinner, the Gomes lecture and dinner, and occasional additional events in college
- invited to a Fellows' guest night (May or December)

BENEFACITOR BYE-FELLOWS

£500 000 or more received

- invited to some college events
- may dine at High Table on a number of occasions each year
- listed in the *College Magazine* and *Cambridge University Reporter*
- admitted at a ceremony in the Parlour
- have their names recorded on a board in the Old Library

BENEFACITOR FELLOWS

£1 000 000 or more received

- invited to many college events
- may dine at High Table on several occasions each year
- listed in the *College Magazine* and *Cambridge University Reporter*
- admitted at a ceremony in the Parlour
- have their names recorded on a board in the Old Library

WE HAVE WELCOMED THIS YEAR

BENEFACITOR BYE-FELLOWS

Professor Y M D Lo (1983)
Mr G Rhys Jones (1972)
Mrs J F Rhys Jones (2026)
Dr S L Wong (2026)

I AM GRATEFUL FOR THE FINANCIAL SUPPORT THAT ENABLED ME TO UNDERTAKE MY MEDICAL ELECTIVE IN ITALY. THE EXPERIENCE PROVED TO BE BOTH ACADEMICALLY AND PERSONALLY TRANSFORMATIVE, AND IT HAS HAD A LASTING IMPACT ON MY CONFIDENCE, SKILLS, AND FUTURE CAREER THINKING **AARON (2020)**

THE IMPORTANCE OF REGULAR SUPPORT

Small, regular gifts play a vital role in sustaining the long-term success of Emmanuel. These contributions, though modest individually, collectively provide a dependable stream of support that enables us to plan confidently for the future.

They help fund bursaries, maintain our historic buildings, support teaching and research, and enrich student life. Moreover, regular giving fosters a strong sense of community and shared purpose, reinforcing continued connections with Emmanuel. Regardless of the size of their gifts, our regular donors demonstrate their belief in the college and contribute to its enduring legacy, and we are enormously grateful to the members and friends who currently choose to support us in this way.

THANK YOU, SINCERELY, FOR
YOUR GENEROSITY AND BELIEF
IN THE IMPORTANCE OF HIGHER
EDUCATION. YOUR SUPPORT HAS
MADE MY ACADEMIC JOURNEY
POSSIBLE, AND I AM DEEPLY
GRATEFUL **MELISSA 2024**

ANNUAL TELEPHONE CAMPAIGN

We are very grateful to all our members who gave so generously in this year's telephone campaign. Taking place in the Easter vacation, our 12 callers had 364 conversations with members, who committed more than £280 000 during two weeks of calling. Eighty-six per cent of pledged support was given 'wherever the need is greatest', giving the college the flexibility to allocate funding to a range of priorities.

You contributed to our most important fundraising priorities including student support, outreach and buildings. Many of you made an unrestricted gift, allowing the college to use it wherever the need is greatest, which is hugely valuable to us.

It is always a wonderful opportunity for students to talk to members and for both to share stories of their times at Emma. Thank you to everyone who took the time to speak to them and to those of you who supported us this year.

LEGACIES

Legacy gifts make a big difference to Emmanuel, and in the past year alone contributed £5 804 114, about 60 per cent of our total philanthropic income.

Supporters remember the college in their wills for many different reasons. For some it is to continue their generosity beyond their lifetime, leaving something permanent behind at an institution they love. Some cannot give in their lifetime because of other commitments, and a legacy enables them to help us after providing for those closest to them. Some leave us a cash gift, while others leave a percentage of their estate.

However our legators choose to remember us, and whatever their reasons for doing so, gifts in wills both large and small make a transformative difference at Emma and have done so since our earliest years. We are hugely grateful to our past legators, who have extended kindness and generosity to help the next generations of the Emma community.

If you are considering remembering the college in your will, or would like more information, please do not hesitate to contact the development office.

OUTREACH & WIDENING PARTICIPATION



STEPHEN BOND

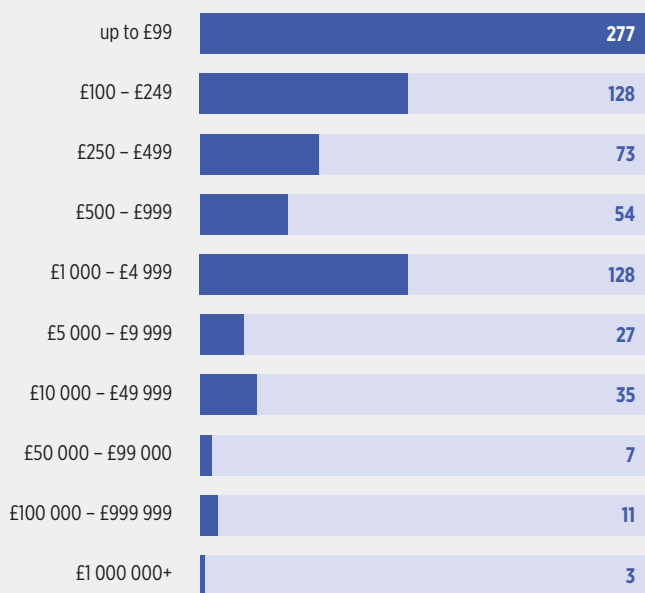
ABOVE: Emma, Outreach & Widening Participation Coordinator, and Jess, Schools Liaison Officer (centre left and right), with two student EMMbassadors. In their recognisable pink t-shirts, EMMbassadors are friendly guides and mentors to young people and prospective students on open days, outreach visits and residential programmes.



THE YEAR IN NUMBERS

FUNDS RAISED 2025-2026
£ 9 761 413 RAISED FROM 1514 DONORS

NUMBER OF GIFTS RECEIVED



HARDSHIP FUNDS 2024-2025

Number of grants made	233
Total sum awarded in these grants	£465 404
Fellows fully or partially funded by donations	18

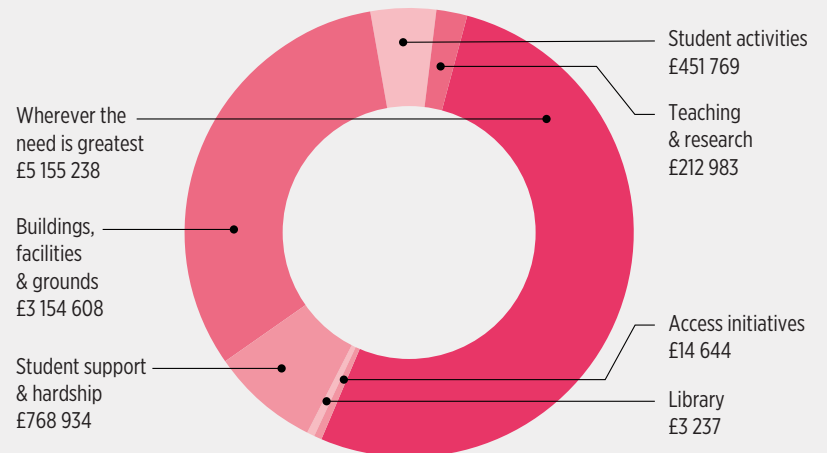
CAMBRIDGE BURSARY SCHEME

Cambridge Bursary Holders	97
Total Financial Support	£307 292

The Cambridge Bursary Scheme provides financial support for full-time undergraduate students, to help with their Cambridge fees or living costs

FUNDS RAISED

1 JUNE 2025 – 31 MAY 2026



GIFTS TO THE COLLEGE

1514 MEMBERS & FRIENDS
MADE A GIFT TO THE COLLEGE

72% OF GIFTS
WERE UNDER £1000

67% OF DONORS
MADE AN UNRESTRICTED GIFT TO THE COLLEGE,
ENABLING THE FUNDS TO BE USED TOWARDS
THE AREA OF GREATEST NEED

3% OF LIVING MEMBERS
HAVE SHARED THAT THEY HAVE REMEMBERED
THE COLLEGE IN THEIR WILL

STUDENTS WERE SUPPORTED WITH GRANTS OF ALL SIZES





The FRANKLAND SOCIETY

The Frankland Society recognises and celebrates the commitment of those who are leaving a legacy to Emmanuel. Named after our first legator, Joyce Frankland, the society has around 250 members.

Mrs Joyce Frankland (1531–87), a wealthy widow, is known to posterity because of the generosity by which she rose above a personal tragedy that befell her when her only son, William Saxey, died suddenly in 1581. Deeply affected by her loss, she sought to honour his memory by funding scholarships and endowments at Cambridge and Oxford.

When she died, Joyce bequeathed £440 to Emmanuel, stipulating that it be used to purchase property yielding £20 a year. Emmanuel, still in its first decade, used her legacy to buy the Hyde Farm Estate at Mitcham and Clapham in Surrey, for £500 10s. The college's founder, Walter Mildmay, contributed £60 of his own money, and Emmanuel came up with the remaining ten shillings. In the nineteenth century the farmland was developed for buildings, and the financial arrangements that were put in place in the 1880s enabled Emmanuel to buy Park Terrace a century later in 1983.

Joyce's legacy supported the college early in its development, contributing to the long-term prosperity of its buildings, students and quality of instruction. Members of the society named in her honour continue this proud tradition.

This June, members of the Frankland Society met for a three-course lunch in the Old Library, with a specially selected summer rosé and floral centrepieces from the college's gardens. Members enjoyed a spirited question and answer session with the Master on the topics most important to them, followed by a special viewing of the Graham Watson collection of colour-plate books in the library.



THE ART OF GETTING THINGS DONE

CHRISTOPHER OGSTON,
DIRECTOR OF OPERATIONS

I joined Emmanuel as Director of Operations in the spring of 2025. I am responsible for the day-to-day running of a wide range of departments, including catering, conferences, housekeeping, the boathouse and sports ground, communications and the gardens. I also oversee data protection and subject access requests (SAR requests), while supporting the Master, Bursar and Senior Tutor on student-related projects. The breadth of this role requires strong operational oversight, collaboration and adaptability, and I am fortunate to work with highly experienced teams who are a pleasure to lead and support.

My approach to the role has been shaped by nearly 28 years in hospitality, where I have developed a strong grounding in service delivery, operational management and team leadership. I began my career as a weekend waiter before moving into kitchen roles while training at Cambridge Regional College. Gaining experience across both front- and back-of-house environments early on helped me appreciate how different parts of an organisation come together to deliver a consistent and high-quality service.

I later undertook the InterContinental Hotels management programme, where I trained across all major departments, from housekeeping and accounts to reception and food and beverage. This cross-functional experience underpins my ability today to oversee multiple specialist teams across Emmanuel College and identify opportunities and linkages.

My first experience of collegiate Cambridge was at the Møller Institute, Churchill College's centre for professional development, where I led the delivery of hospitality operations, and attended a night school in Huntingdon to complete a diploma in business management. I then spent more than 11 years



I ENJOY THE DIVERSE WORK AND THE OPPORTUNITY TO
SUPPORT THE COLLEGE COMMUNITY IN A PRACTICAL WAY.
IT IS A WELCOMING AND SUPPORTIVE ENVIRONMENT

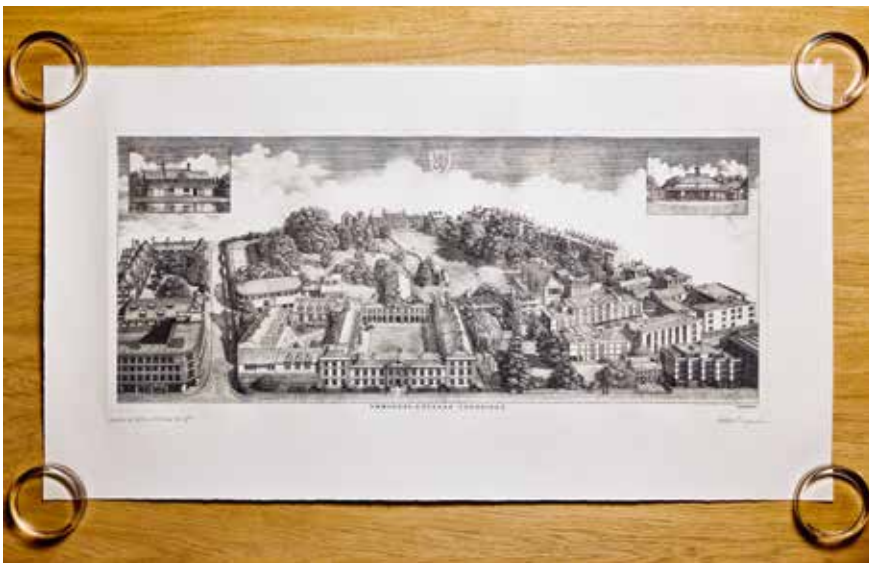
at the Gonville Hotel, including nearly four as general manager, turning around what was then a fairly tired 3-star hotel into the well-regarded institution it is today. There, I led large teams, managed significant refurbishments, improved service standards and delivered major events, such as one to mark the Tour de France's visit to Cambridge.

I had always admired the slick, holistic operations of Cambridge colleges, so jumped at the opportunity to join Jesus College as Manciple, essentially the head of hospitality but with job title and tradition dating back 400 years! This was a fantastic role that allowed me to apply my skills in a complex, multi-stakeholder environment, balancing student, academic and commercial priorities, including launching Jesus's own beer, brewed on site.

Before joining Emmanuel, I took on the general manager brief at the Jockey Club Rooms, Newmarket. I was interviewed by the fifteenth Duke of Bedford for the role, hosted members of the royal family on several occasions and handled extraordinarily outlandish requests from the outset: I could write an entire book about them! The Jockey Club was a fascinating, high-pressure environment that forced me to be flexible, strategic and ready for anything.

These experiences have all contributed to my current role at Emmanuel, where no two days are the same. I enjoy the diverse work and the opportunity to support the college community in a practical way. It is a welcoming and supportive environment, and I am very pleased to be part of it. I look forward to contributing to the college over the coming years.

NEW COLLEGE PRINT



ANDREW INGAMELLS' NEW ETCHING INCLUDES THE AWARD-WINNING YOUNG'S COURT, TOGETHER WITH SEPARATE PANELS ILLUSTRATING THE CRICKET PAVILION AND THE BOATHOUSE

Andrew Ingamells has made a new etching of Emmanuel from an aerial perspective. Meticulously detailed, signed and numbered by the artist, a limited number of black-and-white (£250) and hand-watercoloured (£350) editions are still available from Capital Prints, 020 7704 6808, sales@capitalprints.com

EMMANUEL SOCIETY

Every member of Emmanuel is also a member of the Emmanuel Society, which joins up the community: students, Fellows and the wider membership. The society organises a wide range of events in the UK and overseas. It also helps current students with advice about careers and job applications.

The society's programme is publicised in the *Emmanuel Newsletter*, which is published three times a year, in the *Emma connects* e-news, and on the website www.emma.cam.ac.uk/members/events. Please come to whatever interests you and let us have any suggestions for other events. Offers to help are very welcome.

EMMA ONLINE

We send regular e-news, *Emma Connects* (we need your email address)

Emmanuel College Members (private group):
 www.facebook.com/groups/554901871328458

Emmanuel in America:
 www.facebook.com/groups/emmausa

 Alumni of Emmanuel College

 [EmmanuelCambridge](https://www.instagram.com/EmmanuelCambridge)

The Emmanuel Society and Development Offices share staff and rooms on D staircase, Front Court:
development-office@emma.cam.ac.uk
 0044 1223 330476

VISIT EMMA

- Dine at High Table (matric 2019 and earlier):
www.emma.cam.ac.uk/dining
 0044 1223 330476
 (free for members, payment for a guest)
- Student guest rooms with shared facilities:
www.emma.cam.ac.uk/guestrooms
 0044 1223 334255
- Private meetings, meals and conferences:
conferences@emma.cam.ac.uk
 0044 1223 331978



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