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**AUTUMN
2022**

YOUR

UNIVERSITY

LOCAL NEWS AND EVENTS, FROM THE UNIVERSITY OF SURREY, TO YOU.



**HER MAJESTY
QUEEN ELIZABETH II
1926 - 2022**



**A NEW MEDICAL
SCHOOL FOR 2024**

**IT'S BEEN A BIG YEAR FOR
EVENTS AT SURREY**

**SURREY'S
POXVIRUS
EXPERT LEADS
ON VITAL
MONKEYPOX
RESEARCH**



**SURREY LAUNCHES
NEW INSTITUTE FOR
SUSTAINABILITY**



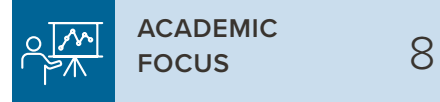
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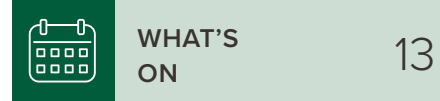
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Her Majesty Queen Elizabeth II officially opened the School of Veterinary Medicine on 15 October 2015

WELCOME TO YOUR UNIVERSITY

The sad and momentous news of the death of Her Majesty The Queen reached us just as we were finalising this edition. Our President and Vice Chancellor, Professor Max Lu reacted: "I want to offer my most profound and sincere condolences to the Royal Family. Our University, along with people the world over, is mourning the passing of Her Majesty The Queen. Her dedication to service, the country and the Commonwealth will be her most enduring legacy".

Her Majesty visited our campus on three occasions during her reign. Each visit was a great honour, making lifetime memories for all our colleagues and students who were lucky enough to be present. We were delighted to offer a token of our gratitude for The Queen's long years of service as we brought local residents, staff and students together to celebrate her **Platinum Jubilee in July (page 12)**.

Before the sad news came through, we'd had a busy few months, achieving some significant awards and recognition. For example, our standing in the **National Student Survey improved for the second year in a row (page 14)**. We're now ranked 9th in the UK – a testament to the brilliant place to live and study that is Guildford!

Back in May our research performance was rated highly in the independent Research Excellence Framework (REF) results. There's more on our climb up these **rankings (page 10)**. We also announced a new

School of Medicine (page 8) and a **new Institute for Sustainability (page 5)**, surely never a better time for Surrey to build on its research and teaching credentials in these critical areas.

This autumn, we have a programme of arts, sports, cultural and academic activities for you to get involved with. Find a taste of **what's on (page 13)**.

We hope to welcome you onto our campus soon, and wish you well for the autumn.

Ross Kelway,
Public Engagement Manager



✉ publicengagement@surrey.ac.uk

🖱 surrey.ac.uk/community

📱 @UniOfSurreyCPE

YOU CAN CONTACT US

We want to work with local residents like you to make our town even better! From language courses to sustainability projects, we'd love you to get involved and send us your ideas.



SOLAR FARM TO ACCELERATE NET ZERO TARGET

The University has unveiled details of its new 12.2MW solar farm on its own land to the west of Guildford that will help accelerate its journey to net zero.

The University's partnership with SSE Energy Solutions will step up its on-site renewable energy generation from 0.1% to 20% of total annual demand. Once complete, it will be capable of generating enough energy to supply the equivalent of 4,000 UK homes each year.

The project offers an opportunity to enhance the surrounding biodiversity of the land with wildflower planting, nature corridors, hedgerow expansion and bug hotels. Solar facilities that have been monitored regularly by

ecologists demonstrate an increase over time in the local abundance and variety of plants, pollinators, birds, and other wildlife.

The solar facility will reduce carbon emissions by an estimated 1,110 tonnes per year and is crucial in meeting the University's 2030 net zero carbon target, established using the science-based targets initiative.

Surrey has already made progress towards meeting its target and cut emissions by 24% between 2005 and 2019 and will be rolling out the first phase of its staff and student electric vehicle charging programme later this year.

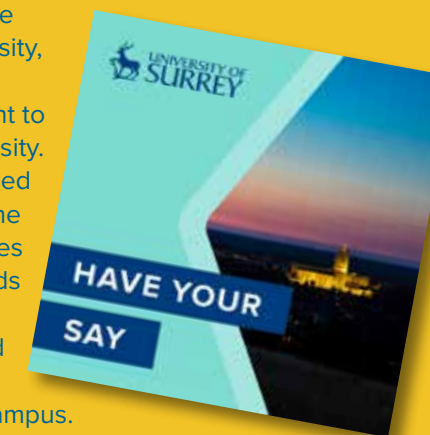


YOU SAID, WE DID

Guildford residents' give their opinions on the University.

For the eighth year, the University ran its local residents survey back in the spring and summer of 2022. Thanking those who took part this year, Public Engagement Manager Ross Kelway said: "We're really pleased local residents have once again taken the time to tell us about their perceptions of the University, both from experiences they have had with activities, as well as wider views and issues raised. We'll be acting on this feedback over the next 12 months."

Within the survey, praise was noted for the diversity, vibrancy, events and economic boost brought to Guildford by the University. Areas identified that need further action include the impact of student houses in some neighbourhoods and further general information sharing and publicity for the great things happening on campus.



Read more about what we're doing on this and other activities in your local area in this edition of Your University.

RESTORING SURREY'S WILDLIFE HABITATS

A university collaboration has won £1.25m of funding to help use space and artificial intelligence technology to restore Surrey's wildlife habitats. The three-year project 'Space 4 Nature' will see the University of Surrey and the Surrey Wildlife Trust working in partnership with Buglife and the Painshill Park Trust, thanks to the People's Postcode Lottery.

The team will enlist the help of 1,500 volunteers to inform their work in the newly emerging field of Earth Observation, combining satellite technology and artificial intelligence, to monitor and improve nature restoration work.

The sophisticated technology means the team can zoom in as small as 50cm by 50cm to identify habitats, threats to wildlife species, and find solutions which help protect nature, such as understanding where to create wildlife corridors and 'B-Lines,' a network of wildflower insect superhighways.

Launched in 2011, the People's Postcode 'Dream Fund' gives charities a chance to deliver projects they have always dreamed of but never had the opportunity to bring to life. The fund has so far supported 40 'Dream' projects, awarding £24m to organisations across Britain.





LISTENING TO STAFF IDEAS AT THE ROYAL SURREY

In January, the Royal Surrey County Hospital (RSCH), supported by the University, launched 'Bid for Better', a call to action for RSCH employees to make a small change with a big impact for staff and patients.



Thanks to funding from the Royal Surrey Charity, RSCH staff have been asked to submit project ideas worth £5,000-£30,000, on anything from events to equipment, and new apps to refurbishing patient areas.

Where projects align with the University's research or areas of expertise, we're supporting with co-funding, academic support and use of our facilities and equipment.

Examples of similar projects in other trusts include:

- **FUN AND FITNESS**, a community sports programme in Greenwich supporting adults with learning disabilities to increase their exercise and improve their physical and mental health
- **HEALTHY IO**, a project at Kings College Hospital Trust to improve the health of people living with diabetes, using a digital urine screening tool for early identification of chronic kidney disease.

Shortlisted ideas were presented to a panel, so watch this space for more news.

Rachel Hargreaves, Healthcare Partnerships Manager at Surrey, said: "We're delighted to support the hospital in this exciting initiative. Through co-designing and co-funding projects we are demonstrating our commitment to develop strategically aligned and mutually beneficial collaborations with our local hospital."

For more information on the Bid for Better scheme, visit royalsurrey.nhs.uk/bid-for-better

"We're delighted to support the hospital in this exciting initiative".



Picture credit: @KanshiRitajoshi/Getty

BOLLYWOOD MEGASTAR COMES TO CAMPUS

Bollywood megastar, influential entrepreneur and philanthropist Suniel Shetty visited campus this spring. The visit was part of a delegation to see how the University can strengthen its partnerships to encourage more students to study at Surrey from India, Pakistan and Bangladesh.

The delegation met President and Vice-Chancellor Professor Max Lu before going to the Advanced Technology Institute and the University's 5/6G Innovation Centre.

In the afternoon, students had the opportunity to meet with Suniel and share their inspiring stories and experiences.

Students from the Guildford School of Acting also put on a medley performance showcasing their talent to one of Bollywood's most famous producers and actors.

Check out our upcoming events: surrey.ac.uk/events



NEW ARTWORK BY UNIVERSITY'S ARTIST IN RESIDENCE REVEALED

A public showcase was held this summer to share the artwork created by Surrey's first Artist in Residence, Anna Dumitriu, following her collaboration with scientists from the University of Surrey over the past academic year.

The showcase featured artwork including a 3D-printed amulet which contains a vaccine that is helping the world combat plague.

Other pieces included sculptures painted with 'living latex' containing cyanobacteria which has the potential to capture carbon and could play a part in mitigating climate change, an embroidery made with fluorescent proteins used in quantum biology, and a carving impregnated with ancient DNA.

Anna said: "It has been a privilege to work hands-on in the laboratories at the University and use the tools and techniques of science to develop this new series of artworks that focus on complex research topics and aim to bring those ideas to new audiences."

Anna is the first Artist in Residence at the University of Surrey and has

been collaborating with scientists to highlight how human and animal health, along with the wider environment, are intertwined.

Mark Chambers, Professor of Microbiology and Disease Intervention and Head of Department of Microbial Sciences, secured the funding from the Institute of Advanced Studies to host Anna. He said: "I've been eagerly awaiting the day when Anna's artwork is revealed. Anna has been working hands-on with a diverse group of scientists to capture a flavour of our One Health, One Medicine research in a new visual, aesthetic and thought-provoking way."

To find out more, visit: surrey.ac.uk/faculty-health-medical-sciences/artist-residence-anna-dumitriu



BENCHMARKING A SUSTAINABLE FUTURE

From social mobility to taking action on our climate, the University of Surrey reflects on its performance against the UN Sustainable Development Goals in a new report.

It's absolutely critical we work as a collective across all our activities here at Surrey to ensure there is a better world ahead for future generations. A new report measuring both sustainability and social impact activity across our operations seeks to highlight the difference being made by the University community.

To quote the UN: "The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries – developed and developing – in a global partnership. They recognise that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests."

As a research focused organisation, Surrey is firmly committed to reducing its impact on climate. We are using our research expertise to discover what we and the wider world can do better to make the necessary changes in light of the climate crisis.

The report gives key stats on our performance such as water use, reduction in carbon alongside our impact in areas such as student volunteering and community action.



To find out more, visit: surrey.ac.uk/community and download the report.

SUSTAINABILITY AT SURREY

We're focusing on sustainability that benefits society in order to deal with the challenges of climate change. Our goal is to improve our own resource efficiency and we've committed to becoming carbon neutral by 2030.



TOP UNIVERSITY FOR GLOBAL CONTRIBUTION TO SOCIETY AND COMMUNITIES

In April, Surrey was ranked 55th in the world by the Times Higher Education (THE) University Impact Rankings, which assesses more than 1,400 universities' performance against the United Nations' Sustainable Development Goals (SDGs). Surrey has improved its position from 61st in 2021.

NEW UNDERGRADUATE COURSE

A new undergraduate course in Environment and Sustainability is set to launch at the University in September 2023.

With climate change and the need to reduce carbon emissions high on the agenda for national and local governments, and organisations across all sectors, there is an ever-growing need for graduates trained in sustainable development. Equipping graduates for these roles, Surrey's new degree course is strongly interdisciplinary, covering the three essential components of sustainability: environmental, economic and social.

While many sustainability degrees offered in the UK focus on core geography themes with some sustainability modules reflective of the pathway, Surrey's course draws on two interdisciplinary centres of excellence. The University is home to the Centre for Environment and Sustainability (CES), which has been leading research into environmental challenges since its launch 30 years ago, and is launching a new Institute for Sustainability.

Dr Jonathan Chenoweth, Director of Learning and Teaching for the Centre for Environment and Sustainability, said:

"Our BSc in Environment and Sustainability is a genuinely interdisciplinary degree which equips students with the specialist skillset and broad perspective they need to thrive in sustainability roles".

"There is an ever-growing need for graduates trained in sustainable development".

FOUNDING DIRECTOR APPOINTED FOR SURREY'S INSTITUTE FOR SUSTAINABILITY

Former Italian Minister of State for Education, University and Research and political economist Professor Lorenzo Fioramonti has been named the Founding Director of the University of Surrey's Institute for Sustainability.

Professor Fioramonti will be tasked with maximising the positive impact of Surrey's sustainability-focused research and innovation, helping people to enjoy life without further damaging the health of the planet.

Professor Max Lu, President and Vice-Chancellor at the University, said:

"Surrey is already home to highly creative and visionary research in the fields of clean air, net zero energy, veterinary health and economics. With the help of Professor Fioramonti, we will knit this work together and help shape a future in which we all live fulfilling and healthy lives within the limits of the planet."

The University of Surrey's Institute for Sustainability will officially launch later this year.





On 27 July, the University celebrated the launch of the 'HABITAT – community eco spaces' project, with the installation opened by the Mayor of Guildford, Councillor Dennis Booth.

This project, led by Surrey Hills Arts and funded by Arts Council England, explores how artists and artworks can positively contribute to increasing biodiversity in urban spaces. An area of our campus has been transformed by four artists to attract and support wildlife, with support provided by the University's Centre for Environmental Sustainability and its Horticulture and Landscape and Archives and Special Collections teams. Surrey Wildlife Trust also advised on the project.

In addition to the campus-based aspect of this project, Surrey Hills Arts and the artists ran workshops with local community groups including Halow, The Hive and King's College secondary school.

Professor Richard Murphy, Director of the Centre for Environment and Sustainability, University of Surrey said:

"It has been a delight and privilege for the University to work in partnership with Surrey Hills Arts and others on this inspiring 'HABITAT' community eco-space on our campus. This is a perfect fit with our biodiversity and wellbeing ambitions – both for our communities and more widely in Guildford and Surrey. We will be looking after it carefully and are excited to see its evolution and impact."

You can read more about the HABITAT project at: surreyhillsarts.org/habitat



RESIDENTS ASK STUDENTS TO SHHH AFTER DARK!

The University and Students' Union are once again teaming up to communicate to our students how to be good neighbours.

WHAT'S PLANNED?

Over 100 Shhh posters on lampposts in local roads and campus exits

These posters serve as a reminder that Guildford residents need to have a good night's sleep too!

Students' Union 'living off campus' guide

This is sent to all students highlighting a variety of things from how to volunteer in the community to when to put your bins out (and what to put in them).

Street Marshals scheme

Marshals will patrol busy student areas, reminding those passing through to be mindful of noise, and provide a visible presence to aid student safety as well as to reassure residents.

A robust complaints procedure is also in place. If you need support you can email publicengagement@surrey.ac.uk or talk to our security team on **01483 682002** any time of the day.

We also work closely with Surrey Police and Guildford Borough Council.



EDUCATING SCHOOLS ABOUT CLIMATE CHANGE

An innovative new programme that educates school children about climate change is set to be expanded into a nationwide initiative.

The Global Centre for Clean Air Research (GCARE), which is based at the University, has designed a playful learning tool to enable school students to gain a better understanding of climate change. The Heat-Cool programme has been brought to schools across London and Surrey, and the first phase of the initiative successfully ended with Guildford County School last February.

During the visits, primary and secondary school students explored the drivers of climate change by getting hands-on with practical experiments and interactive learning. They used thermal imaging technology to get real-time visualisation of heat transfer between physical objects and the environment, as well as taking part in quizzes and watching videos.

The day not only communicated the importance of taking control measures to combat climate change, it also proved a great way of sparking students' curiosity about subjects including science, technology, engineering and mathematics.

The Director of GCARE, Prashant Kumar who designed the Heat-Cool programme with his team, said:

"It's important that young people are aware of climate change as early as possible. Children are the future generations who will go on to be the next great minds, and it's our responsibility to ensure they learn in a fun and interactive way. If you're a school and want to be a Heat-Cool school, please get in touch with us."

Funding from Ove Arup Foundation will allow the programme to reach more children nationwide. GCARE will be creating an e-version of the Heat-Cool programme via an interactive website where schools can enquire about the project and learn more about its aims and objectives.

This programme has also previously received funding from the RSA Insurance Group.



"Children are the future generations who will go on to be the next great minds, and it's our responsibility to ensure they learn in a fun and interactive way".



OUR SUMMER SCHOOLS FOR YEAR 12 STUDENTS



Each summer, we host a series of free residential and virtual Summer Schools for state-educated Year 12 students from under-represented groups in higher education. The schools are designed to show them what it's like to study a subject they love at university degree level.

Participants met our academic staff, and wonderful team of Student Ambassadors, from across a range of courses. One of this year's participants said: "It was a dream come true. I felt at home even though I was so far away from home. Everyone was so friendly and made it fun and enjoyable for us."

Rob Thatcher, (Interim) Widening Participation and Outreach (WPO) Manager, says: "Surrey understands the capacity of education to change lives, for individuals, their households and communities. Our team is committed to supporting learners who are under-represented within higher education, to realise their aspirations while raising their attainment. Our Summer Schools embody this philosophy; they are not just information-sharing events but environments for learning and networking, with participants undertaking a week of self-discovery through a timetable of academic workshops, research projects and social activity."

This year, our fully-funded Summer Schools programme received over 500 applications from across the country, for 300 available places. This is evidence that, despite the pandemic, such opportunities continue to be popular and beneficial among young people.

To find out more, visit: surrey.ac.uk/schools-colleges



Picture credit: Morsa Images/Getty

ONCE-IN-A-LIFETIME OPPORTUNITIES ABROAD



Professor Amelia Hadfield, Dean International, shares how Surrey has secured a second year of Turing Scheme funding to support student study and employment opportunities abroad.

"The Turing Scheme has already allowed hundreds of Surrey students to enjoy various opportunities in countries across the world, including Australia, Hong Kong, and Mexico.

"We're delighted to continue to offer our students access to this funding for a second year, offering potentially life-changing and life affirming opportunities – particularly to those from disadvantaged backgrounds. We're a proud, open-minded, international and forward-looking university that believes in the power of knowledge sharing and collaboration, and this scheme fits our values.

"Whether working or studying, or both, students who choose to travel internationally are embarking on an adventure that forms a core part of their overall degree, sees them deepen a host of skills, and reap the rewards as students, employers and citizens upon their return.

"We're excited to start promoting the second year of the Turing Scheme to continue to broaden the already successful impact it had last year. I'm particularly passionate about the aims of Surrey's mobility goals, which strive to develop globally-minded, confident, resilient individuals who think critically and differently, making a real impact on society."



"The Turing Scheme has already allowed hundreds of students to enjoy various opportunities in countries across the world".

Graduates from the University of Surrey are among the most employable in the UK, second only to the University of Oxford in the south east of England.

Analysis of data from the latest Graduate Outcomes Survey ranks Surrey in the top 10 for graduate employment. The Survey also shows that, of UK first-degree graduates, over 95% are in employment – an increase compared to the previous year's figures for students who graduated from Surrey

before the pandemic in 2019.

The Graduate Outcomes Survey, published by the Higher Education Standards Agency, was completed by more than 400,000 graduates from over 400 universities and colleges in the UK, 15 months after graduating.

It provides an insight into the jobs that graduates go on to take after university, and a measure of whether their degree has helped to secure highly skilled employment, which reflects their graduate status.



THE FUTURE OF MEDICINE TODAY

Surrey will be training medical doctors from February 2024 and has appointed Professor Juliet Wright to lead this ambitious programme to fruition; an alumna of the University she joins us from the Brighton and Sussex Medical School.

Professor Juliet Wright was awarded her Doctor of Medicine (MD) from Surrey for a study investigating recombinant human growth hormone in older patients undergoing elective knee replacement surgery. She has been with the Brighton and Sussex Medical School since 2007, with her most recent position being Director of Undergraduate Teaching and Learning.

Speaking of her appointment, Juliet said: "Delivering a medical school for Surrey is a tremendous opportunity. I am looking forward to developing a strong team to work alongside me to attract and go on to train our future doctors. It is my belief that medical educators have a great responsibility to harness and develop students, to ensure a happy, sustainable but flexible

workforce of new doctors ready to meet the challenges in health care that the next decades will bring."

With exceptional teaching and research experience, Juliet is passionate about the student experience and has been awarded Best Teacher for the whole Brighton and Sussex Medical School course on no fewer than eight occasions.



"Medical educators have a great responsibility to harness and develop talented students, to ensure a happy, sustainable, flexible workforce of new doctors".

To find out more about our new School of Medicine visit: surrey.ac.uk/medical-school

NEW HEAD FOR THE GUILDFORD SCHOOL OF ACTING

The University of Surrey is happy to announce the appointment of Dr Catherine McNamara as the new Head of the Guildford School of Acting (GSA).

Catherine has come from the University of Portsmouth where she was Head of School (Art, Design and Performance) within the Faculty of Creative and Cultural Industries. Prior to this, she spent 16 years at the Royal Central School of Speech and Drama (University of London), holding various roles including Course Leader of the Applied Theatre MA (Drama in the Community & Drama Education) and latterly, Director of Learning, Teaching and Student Experience.

Speaking about her appointment, Catherine said: "I'm delighted to be joining GSA as its Head and am excited to be working with staff, visiting professionals, the students and alumni. GSA consistently delivers world-class education and training for the creative industries. I'm looking forward to building on the School's long-standing successes by working collectively to lead the university-conservatoire into the future."



See our GSA performance dates on page 13 [what's on page]



LOOKING TO THE PAST TO INSPIRE THE FUTURE

Celebrations are underway at the School of Health Sciences to mark 40 years since the first cohort of students graduated from its nursing degree programmes.

From the first Professor of Men's Health to advising the World Health Organization, graduates from the Class of 1982 have excelled in their careers and contributed enormously to health services around the world. During their time at Surrey, the 16 students who graduated in that first cohort undertook extensive practical and educational training, helping to prepare them for life in the nursing profession.

Professor Alan White, who was part of the Class of 1982, said: "Once I arrived in Guildford, I never looked back. Everything about Surrey's nursing programme was magical.

"We were thrown in at the deep end, but our course was phenomenal, and our nursing lecturers were second to none. When I look at my career, everything I've done always comes back to Surrey, and I wouldn't change a thing."

Since 1978, nursing degree programmes at Surrey have equipped its 6,600 nursing graduates with the

skills to deliver high-quality, compassionate care to patients in a number of different settings. Such skills and professionalism have helped cement Surrey as one of the country's leading health schools, consistently ranked highly in national and global league tables.

Professor Melaine Coward, Head of the School of Health Sciences and Deputy Dean of the Faculty of Health and Medical Sciences, said:

"I am beyond proud of everything the Class of 1982 has achieved and their contribution to the health care sector and the trail they blazed for the thousands of nurses who followed in their footsteps.

"These students took a leap of faith in coming to Surrey, and without them, we would not have been able to build the successful school we have today, helping to train nurses of the future."

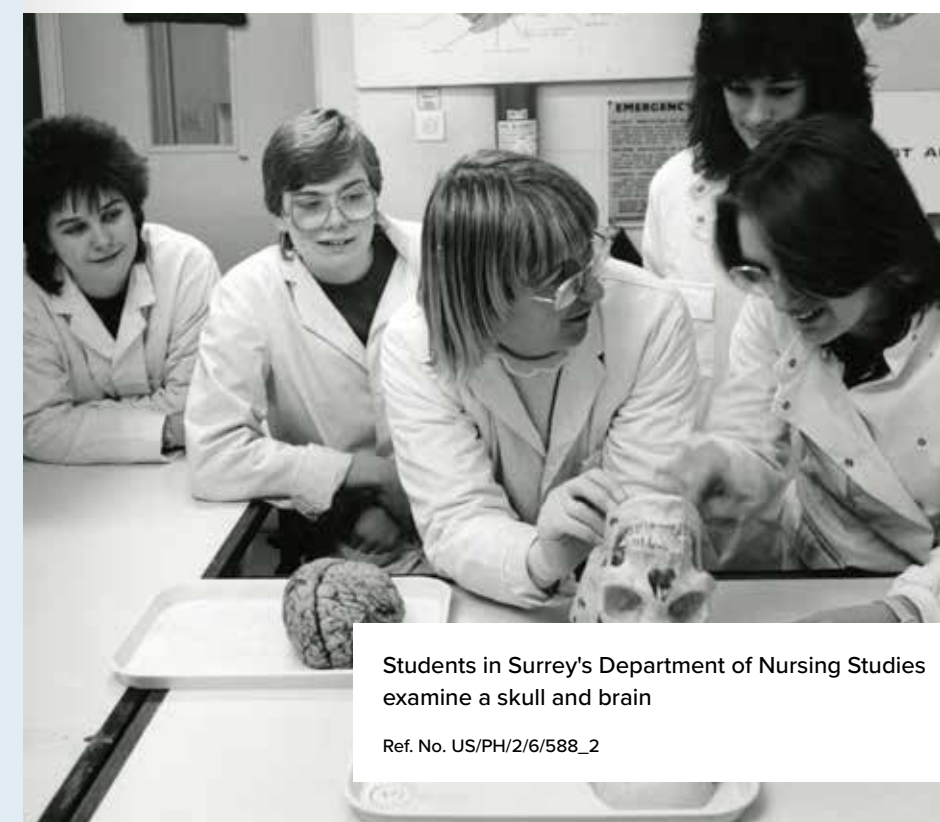
A celebratory event took place this September with the Class of 1982 and final year nursing students.

To find out more, visit: surrey.ac.uk/40-years-of-nursing to discover what student life was like in the 1980s



Nursing Studies students monitor a patient using a Cardiorater at the Royal Surrey County Hospital

Ref. No. US/PH/2/6/587



Students in Surrey's Department of Nursing Studies examine a skull and brain

Ref. No. US/PH/2/6/588_2



Rated in the

TOP 20

for the quality of our

RESEARCH OUTPUTS**41%**of our submitted
research rated as**WORLD-LEADING**

SURREY CELEBRATES RESEARCH EXCELLENCE ACCOLADES

Every seven years, the Research Excellence Framework (REF) independently assesses the quality of research in higher education institutions in the UK. After a delay caused by the pandemic, REF published its results for 2021 in May this year. The results have a direct impact on the allocation of future government research funding.

We're delighted to report that the University of Surrey moved up 12 places to 33rd in the UK rankings for overall research quality, with 41% of Surrey's research rated as world-leading.

Highlights from REF 2021 and examples of the submissions that contributed to Surrey's results can be found on our website.



RESEARCHERS TACKLE THE BIGGEST PROBLEMS FACING ELECTRIC VEHICLES

The electric vehicle revolution is a significant opportunity for us all to drastically reduce CO2 emissions and start to address the harm we are doing to our planet.

Off-grid, renewable energy-powered charging stations for electric vehicles (EVs) are being explored by a coalition of researchers from the University of Surrey and the Universities of Southampton and Sheffield in a new £8m-project, the Future Electric Vehicle Energy Networks supporting Renewables (FEVER).

Dr Mona Chitnis, co-investigator and Senior Lecturer in Energy Economics

at the University of Surrey, said: "To reap all the benefits presented by EVs, we need to make sure that the energy that powers them is coming from low-carbon or entirely renewable sources. This is the grand aspiration of this project, and indeed the University of Surrey, and I look forward to working with colleagues from academia and industry throughout the duration of this project."

The University will receive £1.2m from the UK Research and Innovation's (UKRI's) Impact Acceleration Account (IAA) to accelerate bright ideas into global opportunities and jumpstart knowledge exchange, translation, and commercialisation.

UKRI, a government body responsible for delivering £8 billion research and innovation funding each year, is investing £118m in the latest round of IAAs across 64 universities and research organisations.

The IAA supports critical early-stage translation of UK research to real impacts, transforming public services, creating new jobs, attracting private investment, and forging new partnerships with business and charities. Examples from Surrey of

IAA funding include developing an international financial compliance regulator, a trustworthy electronic voting system, and the science that detects drugs from a fingerprint.

Dr Alexandra Lewis, Director of Research Strategy, said: "As a testament to our University's fantastic culture of research and collaboration, Surrey was recently ranked 33rd in the UK Research Excellence Framework (REF) in 2021, with 41% of our submitted research rated as world-leading. These new IAAs will help us build on this strong foundation and deliver even stronger impact from our world class research; leading to even greater success in future REF exercises."



RESEARCHERS DISCOVER A NEW APPROACH TO TREATING BRAIN TUMOURS

Findings from a seven-year research project suggest that there could be a new approach to treating Glioblastoma Multiforme (GBM), one of the most common and devastating forms of brain cancer in adults.

Scientists from the University have discovered that a short chain of amino acids (the HTL-001 peptide) is effective at targeting and inhibiting the function of HOX genes, a family of genes responsible for the growth of GBM.

Hardev Pandha, project lead and Professor of Medical Oncology, said:

"People who suffer from Glioblastoma Multiforme have a 5% survival rate over a five-year period – a figure that has not improved in decades. While we're still early

in the process, our seven-year project offers a glimmer of hope for finding a solution to HOX gene dysregulation, which is associated with the growth of GBM and other cancers, and which has proven to be elusive as a target for so many years."

The study was carried out in collaboration with the Universities of Surrey, Leeds and Texas, and HOX Therapeutics, a University of Surrey start-up company based on Surrey Research Park.



Hardev Pandha



nicolas_/ Getty Images

SURREY EXPERT LEADS ON MONKEYPOX RESEARCH

How does the monkeypox virus infect our cells? And why does it escape our immune defences? These are just some of the questions Dr Carlos Maluquer de Motes and his team are researching as part of a rapid-response consortium to address the recent outbreak of the virus.

Carlos, Reader in Molecular Virology, said: "We're experiencing the first global poxvirus disease in humans since smallpox eradication 40

years ago and hence many questions are emerging about how this zoonotic infection is maintained and how it may evolve. We're leading work to understand the fundamental biology of monkeypox and our immune response to it, but also helping with the design of novel diagnostic tools that can facilitate rapid identification of cases and interruption of the chains of transmission that sustain the current outbreak."

THE ETHICS OF SMART CARE IN THE HOME

In the future it's likely that digital technologies, including remote monitoring and artificial intelligence, will be used increasingly to help make sure we stay well and spot when we're becoming ill.

Digital technologies can be particularly helpful in the care of people who live at home with long-term conditions, providing reassurance and prompting timely interventions.

Christine Hine, Professor of Sociology, is conducting research to examine the practical and ethical challenges of such technology and says: "thinking in detail about the decisions in advance can help

make sure we make the most of the technology and keep the experience positive."

Christine has been interviewing users of remote monitoring and their carers and as a result has created a series of explainer videos. These explore how digital technologies might help people who need care, and those who care for them, and highlights issues to consider when making decisions about this kind of care.

Local groups who would like to explore these issues further are invited to make contact at smartcareethics@surrey.ac.uk

For more information, visit surrey.ac.uk/smartcareethics



£1.2M BOOST FROM UKRI IMPACT ACCELERATION ACCOUNT





WHAT A YEAR FOR EVENTS SHOWCASING OUR CAMPUS AND INSPIRING RESEARCH

This year has been an amazing year for events. It's been the first time we've opened our doors for major events since the pandemic hit.

OPEN DAYS

In June, we welcomed prospective undergraduate students to visit our Stag Hill and Manor Park campuses, to hear from their future lecturers, chat to current students, and get a feel for what being a Surrey student would be like.

During the pandemic we ran online webinars to show prospective students our University, but nothing beats being able to see in person how safe, green and buzzing both Guildford and campus life can be.

SURREY SHOWCASE

Our Surrey Showcase event this summer welcomed staff, students, and people from Guildford and further afield to discover more about research and teaching from our incredible academics, through a series of lightning talks and interactive demonstrations. The event celebrated some of our inspiring research that is aiming to tackle the global challenges that face us all, including:

- Developing cures for cancer, diabetes and dementia
- Helping to reduce inequality
- Mitigating air pollution and creating the next generation of solar energy devices.



OUR SPECIAL JUBILEE WEEKEND ON AND OFF CAMPUS

Prior to the sad news of the death of Her Majesty The Queen, we were delighted to provide an opportunity for the Surrey Community to come together to mark the Platinum Jubilee. We hosted an array of celebrations across the extended bank holiday weekend.

On campus, the University and Students' Union hosted FreeFest, welcoming around 3,000 staff and their families, students and members of the local community over the two-day event to enjoy a selection of family films, a full programme of live music from local acts and student bands, plus a live broadcast of the Platinum Party at the Palace. Attendees

could bring their own picnic or visit one of the several food vendors on site, including a jubilee-themed afternoon tea. There was also a family-fun zone with bouncy castle, plus a selection of jubilee-themed photo backdrops.

President and Vice-Chancellor Professor Max Lu enjoyed spending time at the event by the lake on campus and wished everyone a very happy jubilee. Sharing some photos on Twitter Professor Lu expressed his delight at seeing so many staff, students, friends, family and community members visiting our beautiful campus to celebrate together.

COMMUNITY ORCHESTRA DAYS FOR LOCAL MUSICIANS



Throughout 2022, we were delighted to welcome back local talented musicians to our Stag Hill campus for two uplifting community Orchestra Days – one held in the spring and one in the autumn.

Our series of community Orchestra Days, organised by the Department of Music and Media, provides local musicians with the opportunity to play alongside the University's music students, alumni and staff. This year, we rehearsed and performed pieces by Prokofiev and Sibelius, free of charge to both players and audience.

The Orchestra Days have become a "must attend" event for many Surrey musicians and the buzz on the days are incredible. Players practise and polish their musical skills under the baton of the Orchestra's esteemed conductor, Russell Keable. Russell is highly celebrated for his exciting and versatile performances with the BBC Concert Orchestra and Royal Philharmonic Orchestra.

If you would like to play in the next Orchestra Day, or join the audience, please email orchestra@surrey.ac.uk, confirming your instrument and grading.

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The University will be hosting a number of public lectures this autumn from notable speakers including the fashion creative, model, writer and founder of the Menopause Whilst Black, Karen Arthur (13 Oct), and one of Britain's leading social justice lawyers, Baroness Helena Kennedy QC (20 Oct). Visit: surrey.ac.uk/events to find out more and sign up to our mailing list.

MUSIC AND MEDIA AUTUMN PROGRAMME

An exciting programme of events during term-time, ranging from electronic music and film-based performances, through to pop and classical lunchtime concerts and piano competitions. Join us for a free lunchtime concert or at Holy Trinity Church on 10 December to hear our orchestra.

For more information visit: surrey.ac.uk/department-music-and-media/events or email dmm@surrey.ac.uk



GSA AUTUMN PROGRAMME

Guildford School of Acting looks forward to welcoming local audiences back for our autumn season.

The programme includes adult dance classes for all: gsauk.org/courses/evening-dance-classes and performances including Shakespeare's Julius Caesar and Irving Berlin's Holiday Inn.

For more information, visit gsauk.org/events or email boxoffice@surrey.ac.uk



WORLD SPACE WEEK

8 October

Join us in the town centre to hear scientists and industry experts unite to showcase Surrey's many connections to space research and industry. There will be free interactive exhibits and activities for all the family, alongside engaging talks and opportunities to ask a space scientist! Join us with

co-host the Institute of Physics in Tunsgate and Guildford High Street 9am-6pm.

For more information email publicengagement@surrey.ac.uk



ANNUAL ARCHITECTURE LECTURE

19 October

The University is pleased to once again host this event with the Guildford Society. Hear engaging speakers from the world of the built environment. Tickets: guildfordsociety.org.uk

ADAMS-SWEETING LECTURE

14 October

Sir Venki Ramakrishnan, Structural Biologist and Nobel Prize winner, will be talking about his studies of the structure and function of the ribosome.

Further information and booking information can be found here: surrey.ac.uk/asevents



FESTIVAL OF SOCIAL SCIENCES

22 October - 13 November

The ESRC Festival of Social Science is an annual celebration of the social sciences and a key element of ESRC's commitment to promote awareness of UK social science research to new audiences.

From geopolitical tensions to Brexit, social science is more important than ever to understanding the world we live in.

This year we celebrate the 20th anniversary of the festival with a series of events that cover topics from climate change to Coronavirus.

For more information, visit festivalofsocialscience.com/ or email esrc-iaa@surrey.ac.uk

ROLAND CLIFT LECTURE

16 November

Our annual Roland Clift Lecture invites specialists in environment and sustainability to discuss their work to address some of the biggest ecological challenges of our time.

Further information can be found here: surrey.ac.uk/centre-environment-sustainability/roland-clift-lecture-series

AONB SYMPOSIUM

23 November

Join us for an evening of celebration, networking and a live debate with Surrey Hills Area of Outstanding Natural Beauty.

Further details: surreyhills.org/events

MORAG MORRIS POETRY LECTURE

February 2023

The University has a very long and significant history of involvement in the post-war British poetry scene – and this is the result of one woman's belief in the centrality of poetry to higher education, Morag Morris. So, each year we organise and host the Morag Morris poetry lecture to celebrate this.

For more information please email sel@surrey.ac.uk

SURREY SPEAKS PODCAST

Guest series – six episodes promoting our fascinating research, in conversation with some of our very own alumni. Listen on Spotify, Apple and Google Podcasts!





SURREY CELEBRATES STUDENT SATISFACTION RESULTS

The University of Surrey has climbed into the top 10 of UK universities in the respected National Student Survey (NSS), reflecting our focus on delivering an excellent student experience.

Every year, around 4.5 million students share their views on their higher education experience in the NSS - from teaching to facilities. This helps universities like us to constantly improve for our students.

Professor Max Lu, the University's President and Vice-Chancellor, said: "We are delighted to see our overall satisfaction score in the National Student Survey rising again. These results follow an excellent performance in last year's survey and clearly demonstrate the commitment

of our whole community to delivering an excellent student experience. The University of Surrey has also delivered exceptional employment outcomes for our graduates, through our practice-based teaching and professional training opportunities."

Over the last year, we've:

- Made improvements to assessments and feedback
- Returned to face-to-face teaching while retaining the most popular aspects of a digital education
- Invested in additional academic staff
- Opened new collaborative study spaces.

INNOVATIVE LEARNING AND COMMUNITY CONNECTIONS AT SURREY SPORTS PARK

Amir Amini Moshaei shares how Surrey Sports Park has become a hub for their student life whilst studying Sport and Exercise Science at Surrey.



"Surrey Sports Park is a great place to work out, relax and study.

"As part of my course, I use the Sports Park often to carry out practical work. This year, I really enjoyed an experiment we conducted where we collected data on the anthropometrics of the body, alongside tests for

speed, power and strength. This was really enjoyable as I was able to see what my body was capable of and what areas I need to improve on.

"I'm also part of Surrey's touch rugby team, and we use the Sports Park for our training. I've been part of the team for two years, and this year I had the privilege of being the Vice President. Being part of the club has been amazing as I've been able to find a new sport that I love. It's also a great community and we try to make every session as enjoyable as possible to help students relax and enjoy their time at university."



MEET A NON-TRADITIONAL ACADEMIC MAKING A DIFFERENCE IN THE LOCAL COMMUNITY

After a successful career in business Janet Preston re-joined Surrey in 2014 taking up the mantle of an astrophysicist. Successfully completing her masters and subsequently a PhD, Janet still dedicates much of her free time to giving back as a trustee for local organisations dedicated to educating young people and making science fun!

A Surrey graduate through and through, Janet studied for her undergraduate degree with us from 1974-78. Through a subsequent career in computer programming and business, including early work adapting home-working for business in the 1990s, she eventually found her way to partnership at KPMG, defining a career of 30 years in management consultancy. After this, Janet set up her own business called Cold Fuzion. Her favourite project from this period was working with HRH the Prince of Wales on the "start" project aimed at helping households in the UK to live more sustainably. Once again, making a difference to the community was front and centre.

Never losing her contact with Surrey, about 10 years ago Janet ran workshops for the University career service, teaching students how to start their own business. Janet had had a break from work and thought "why not?" and returned to Surrey

for a masters and subsequent PhD in Astrophysics. It was 40 years after last picking up a Physics textbook!

Janet and her husband have kindly left a legacy that endows two Physics prizes each year so her link to the department is very much a forever one. Now a visiting researcher with the Astrophysics group and a visiting professor in Surrey Business School, Janet is as involved with the University of Surrey as ever.

Outside of academia, next year is Janet's nine-year anniversary as trustee with Winchester Science Centre, where she was instrumental in the creation of a partnership of understanding between the University and the Science Centre.

To find out more visit: winchestersciencecentre.org/

After a nine-year stint as trustee at the educational charity SATRO, Janet is passionate about the work it does with local young people.

To find out more visit: satro.org.uk/



CREATING A HAVEN FOR HEDGEHOGS



WE'RE MAKING CHANGES TO OUR GREEN SPACES TO ENCOURAGE HEDGEHOGS ONTO CAMPUS.

Hedgehogs play a vital role in maintaining biodiversity. Their diet of worms, slugs and insects can stop some species from getting out of control and having a harmful effect on vegetation and other animals. However, across the country hedgehogs are declining at an alarming rate.

At Surrey, a team of staff and students have come together to monitor hedgehog activity on our campuses. They've placed hedgehog-friendly tunnels around the University so they can identify where the hedgehogs are and what adjustments can be made to help them thrive in Guildford.

The team is making our campuses more inviting for hedgehogs by allowing brambles to grow, placing out hedgehog houses, and providing log piles for them to nest in. They've also left areas of long grass and hedgerows to allow hedgehogs to move around campus safely.

After two monitoring sessions in early summer without a single sighting, the team were excited to discover activity on our Manor Park campus in early August.

HOW TO MAKE YOUR GREEN SPACES HEDGEHOG-FRIENDLY

- Create a 'hedgehog highway' by making a hole in your fence
- Put out a shallow dish of water especially in dry weather and cat or dog food (but not bread and milk as this harms them)
- Place a ramp or stones in ponds to allow a hedgehog to climb out if they fall in
- Check your garden before strimming your lawn.

GET INVOLVED

If you've seen a hedgehog on campus, let us know by completing a short online survey:

surrey.ac.uk/hedgehogs

The information you share will help us understand where hedgehogs are on campus, and identify any potential barriers that might be stopping them from making our campus their home.



WORKING TOGETHER FOR A BETTER BUILT ENVIRONMENT



Surrey Research Park is committed to sustainability. Home to over 200 innovative businesses, the Park, which is owned and operated by the University, is developing a park-wide energy and environmental plan, supporting the University's target of net zero by 2030.

It's been crucial to understand the needs and expectations of our businesses on the Park – our latest survey revealed that 80% of companies believe sustainability is important for their business, with 95% supporting a park-wide Energy and Environmental Working Group to create a forum to share knowledge.

Surrey Research Park has become a member of the UK Green Building Council, Better Buildings Partnership and is to coordinate a global sustainability subnetwork with the

International Association of Science Parks.

Grant Bourhill, Chief Executive Officer of Surrey Research Park, comments that: "There is an ever-increasing market demand from businesses, the investment community and government to support sustainability targets and practices. We recognise the importance of working together not only with our tenants but commercial property owners to improve the sustainability of commercial buildings".

BUSINESS GROWTH IN DATA COLLECTION, FROM DNA ANALYSIS TO SPACE ASSETS

NatureMetrics use DNA tech to monitor biodiversity in contexts ranging from conservation to infrastructure and more. They joined Surrey Research Park in 2021, allowing them to scale their business operations globally and grow from a company of four founders to the 130+ people who they employ today, delivering data for hundreds of clients globally. Their rapid growth continues with a recent \$15m in new funding, enabling the team to combine ecological statistics, machine-learning and data visualisation to give unparalleled decision-making power to clients in a wide range of sectors, critical to a nature-positive economy.

Surrey Satellite Technology Ltd are world leading makers of small satellites. They won a three-year, £22m-contract in April 2022 to

help support UK military operations with the build of a network of new satellites.

Helping to improve the UK's ability to collect and process data from UK and allied space assets, the washing-machine-sized satellite is the first to be designed and built under MINERVA – a £127m-science, technology and innovation programme focused on integrating space with land, air, sea and cyber technologies.

Supporting 100 high-skilled roles, the contract covers the design and build of a 150-kilogram satellite and is the critical first step in identifying the processing power, radio frequencies and imagery capabilities UK Space Command requires to provide timely space-based intelligence in support of UK Armed Forces.



GROWING HEALTH CLUSTER DELIVERING GROUND-BREAKING RESULTS

Health-related companies represent over a third of the businesses on the Park, benefitting from close interactions with the Royal Surrey County Hospital and the University of Surrey, which are on their doorstep.

Alliance Medical has relocated its existing PET-CT service from the Royal Surrey County Hospital to Surrey Research Park. Positron emission tomography (PET) scans produce detailed three-dimensional images of

the inside of the body. The new digital PET-CT scanner will deliver many benefits to patients including reduced scan times, enhanced image quality at lower doses and overall improved patient experience.

The building is designed specifically around the patient journey, offering a calm and relaxing environment and allowing Alliance Medical to support its partners with vital research into diseases such as cancer and dementia.

The Future Says

it needs our help

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